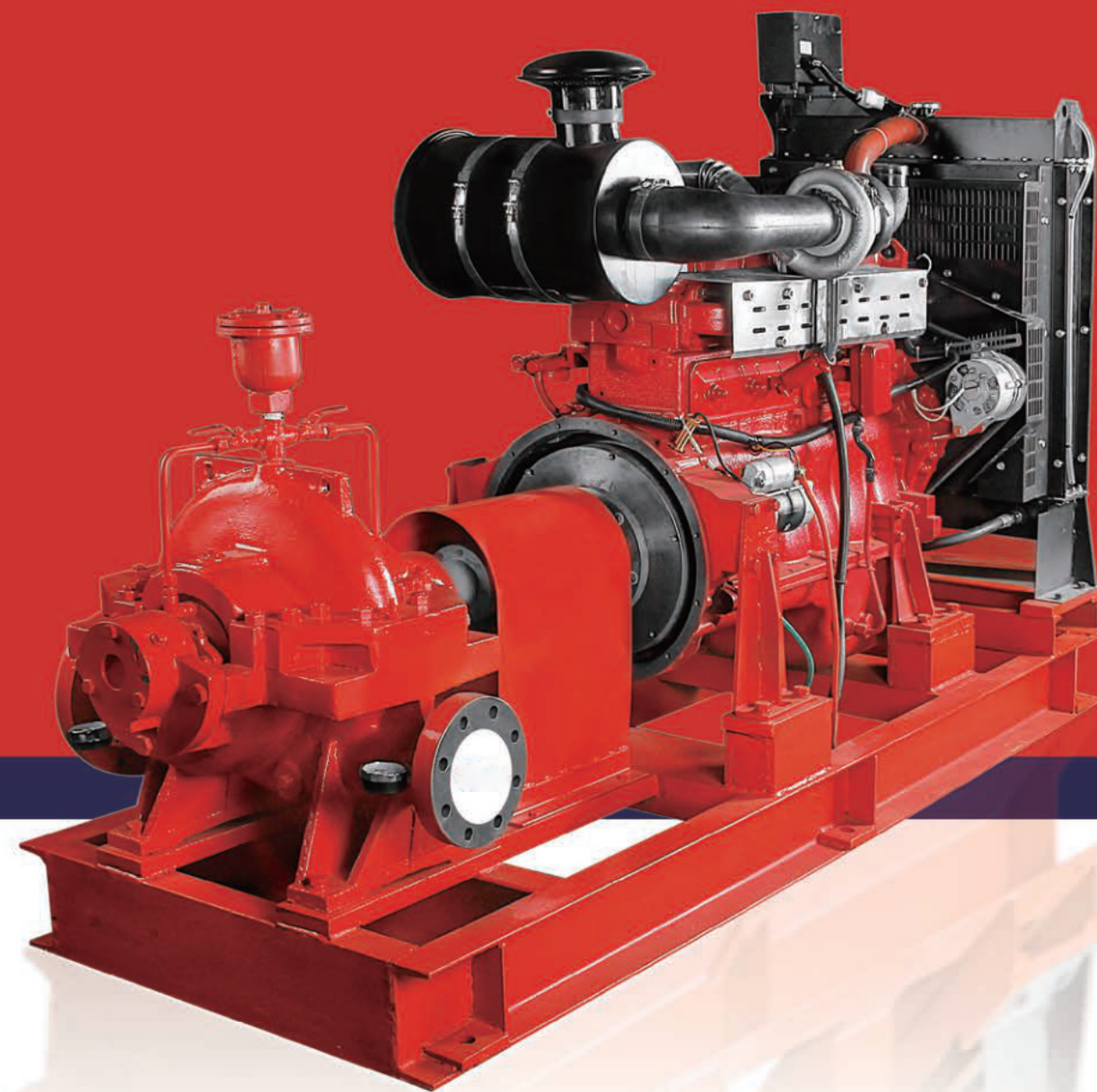
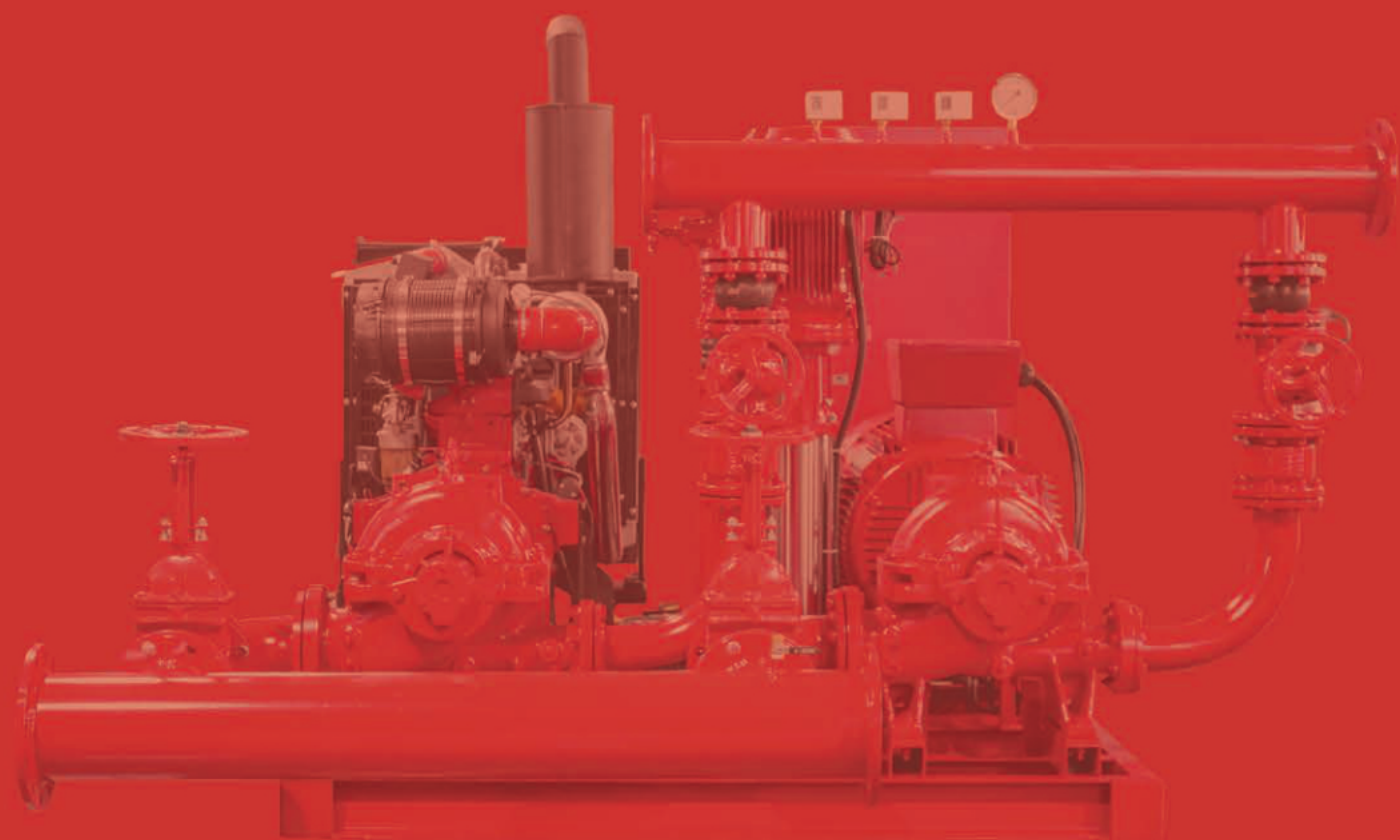


# VATTURE®

# VATTURE®

## FIRE PUMP AND EQUIPMENT CATALOGUE



CÔNG TY CỔ PHẦN VN NASA

Miền Bắc: Số 31 Ngõ 109 Sở Thượng, Hoàng Mai Mai, Hà Nội

Miền Nam: 480 Đường 51, Phường Thủ Dầu Một, TP HCM

Website: <https://vatture.com/>



# VATTURE

## WHY CHOOSE US



### OEM&ODM

Pumps, materials, and packings can be customized according to your requirements.



### COMPETITIVE PRICE

We can provide you with the most competitive and profitable price.



### QUALITY CONTROL

We have professional QA and QC teams to ensure the reliable quality.



### GLOBAL MARKET

We have been exported to more than 60 countries all over the world.



### One-stop Solution

Our solution related to design, engineering, manufacturing, installation, maintenance and testing.



### 24-HOURS SERVICE

We have experienced service team which can provide service from consultation, quotation, orders to certificates.



250+

Workers



90+

Years of production experience



15000+

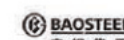
Space(m<sup>2</sup>)



10000+

Monthly output

## Our Clients





# We are qualified and professional!

We have various international Certificates such as ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System, OHSAS 18001:2007 Safety Management System, CE for pumps, PCOC for Saber, SONCAP and PVOC for African Market, etc.

We also have various patents for pumps.



Our Factory and Projects





Our Factory  
and Projects



Our Factory  
and Projects

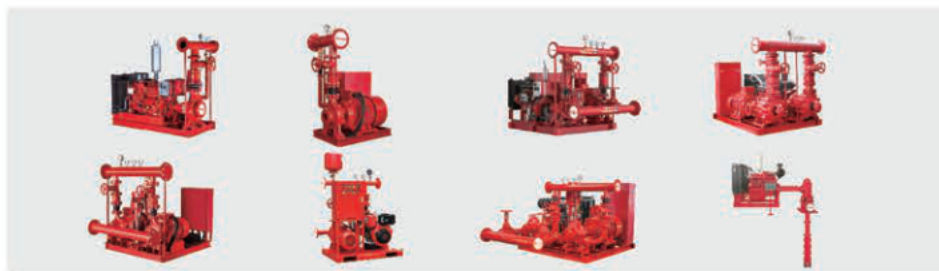




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## FIRE FIGHTING PUMP SYSTEM

### HOW DOES THE FIRE PUMP SYSTEM WORK?

When pressure drops below the set value, jockey pump starts running with the signal from the pressure switch, and continues running for 10 minutes till the system pressure reaches the set value. If the pressure continues dropping, the main motor pump starts to run. If there's no electricity and pressure continues dropping, the standby engine pump starts to work.

### PUMP RANGE

- ♦ Capacity Range: upto 20000GPM
- ♦ Head Range: upto 60Bar
- ♦ Power Range: upto 1000 Kw



### LIFEGUARDS FOR YOUR SAFETY

Fire pump set is essential for all high rise buildings, warehouses, factories, hotels, hospitals, schools, apartments, villas, etc. With decades of experience, we design, test and manufacture fire pumps to cater to diversified needs of our customers. Our standard pumps can be manufactured in skid mounted units or separately.

Count on SHYNPO for all your fire fighting needs will indeed assure that you get the best from us.

### APPLICATION

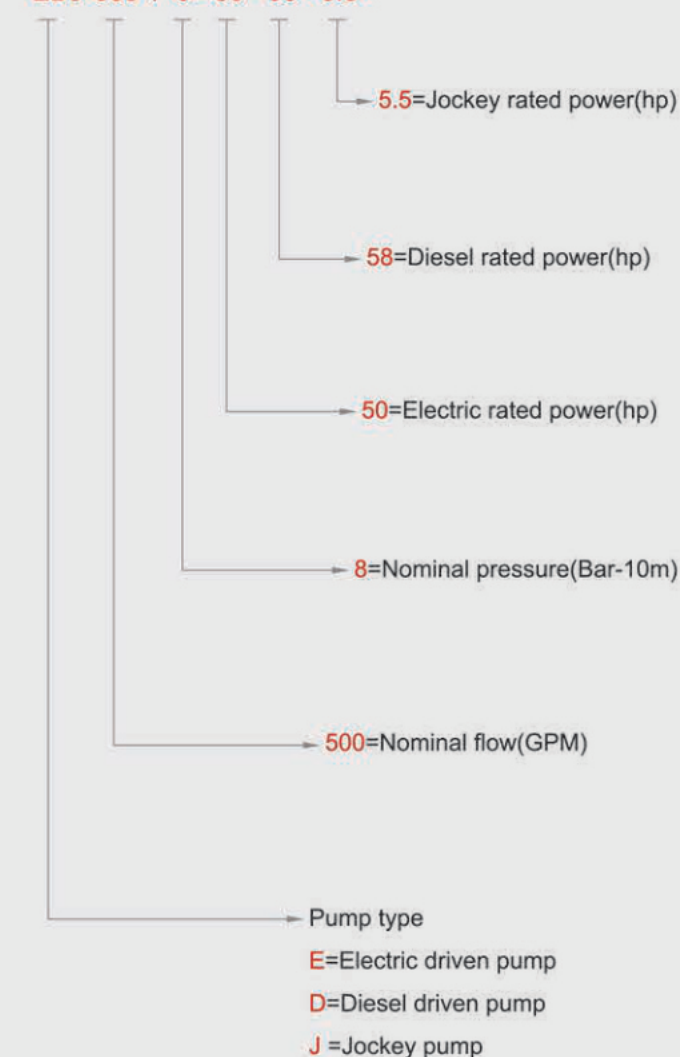
- ♦ Fire Hose Rack System
- ♦ Fire Hose Reel System
- ♦ Foam System
- ♦ Fire Alarm Deluge System
- ♦ Fire Hydrant System
- ♦ Fire Sprinkler System

### CUSTOMIZED FIRE PUMP SETS

- ♦ We can provide different kinds of fire pumps such as end suction, split case, vertical turbine and multistage models according to your requirement.
- ♦ As for materials, stainless steel, cast iron, bronze, SS2205 are all available.
- ♦ As for controllers, schneider components are available. And both 3 in 1 controller and separate controllers are available.
- ♦ Our standard pressure switches are adjustable.
- ♦ UL valves are available.
- ♦ Pressure tank is optional.
- ♦ All fire pump sets can be customized.

### MODEL CODE

EDJ 500 / 8 - 50 - 58 - 5.5





NFPA 20 FIRE PUMP VERSIONS

| DESCRIPTION                                                                                                                                     | PHOTO                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>EDJ Version (split case fire pump set) :</b><br/>Fire pump set consists of electric pump+ diesel pump+jockey pump and all accessories</p> | <p><b>EDJ Version (End suction centrifugal fire pump set) :</b><br/>Fire pump set consists of electric pump+ diesel pump+jockey pump and all accessories</p> |
| <p><b>EDJ Version (multistage fire pump set) :</b><br/>Fire pump set consists of electric pump+ diesel pump and all accessories</p>             | <p><b>EDJ Version (Long shaft vertical turbine fire pump set) :</b><br/>Fire pump set consists of electric pump+ jockey pump and all accessories</p>         |
| <p><b>DJ Version:</b><br/>Fire pump set consists of diesel pump+ jockey pump and all accessories</p>                                            | <p><b>EJ Version:</b><br/>Fire pump set consists of electric pump+ jockey pump and all accessories</p>                                                       |
| <p><b>EEJ Version:</b><br/>Fire pump set consists of electric pump+ electric pump+jockey pump and all accessories</p>                           | <p><b>ED Version:</b><br/>Fire pump set consists of electric pump+ diesel pump and all accessories</p>                                                       |

TECHNICAL DATA

50 Hz/60Hz    n=2900/3500    l/min

|                        | Q    | H     | H       | Electric           | Diesel             | Jockey            |
|------------------------|------|-------|---------|--------------------|--------------------|-------------------|
|                        | GPM  | Bar   | PSI     |                    |                    |                   |
|                        | 350  | 5     | 70      | OTSM80-210B 25HP   | OTSD80-210B 32HP   | CDL(F) 8-6 3HP    |
| EDJ350/5.5-29-38-4     | 350  | 5.5   | 80      | OTSM80-210B 29HP   | OTSD80-210B 38HP   | CDL(F) 8-8 4HP    |
| EDJ400/5-29-38-3       | 400  | 5     | 70      | OTSM80-210B 29HP   | OTSD80-210B 38HP   | CDL(F) 8-6 3HP    |
| EDJ400/5.5-40-50-4     | 400  | 5.5   | 80      | OTSM80-210B 40HP   | OTSD80-210B 50HP   | CDL(F) 8-8 4HP    |
| EDJ500/5-40-50-4       | 500  | 5     | 70      | OTSM80-210B 40HP   | OTSD80-210B 50HP   | CDL(F) 12-5 4HP   |
| EDJ500/5.5-40-50-5.5   | 500  | 5.5   | 80      | OTSM80-210A 40HP   | OTSD80-210A 50HP   | CDL(F) 12-6 5.5HP |
| EDJ500/6-50-60-5.5     | 500  | 6     | 90      | OTSM80-270B 50HP   | OTSD80-270B 60HP   | CDL(F) 12-6 5.5HP |
| EDJ500/8-60-75-7.5     | 500  | 7-8   | 100-120 | OTSM80-270B 60HP   | OTSD80-270B 75HP   | CDL(F) 12-7 7.5HP |
| EDJ500/9-75-90-7.5     | 500  | 9     | 130     | OTSM80-270B 75HP   | OTSD80-270B 90HP   | CDL(F) 12-9 7.5HP |
| EDJ600/5-50-60-5.5     | 600  | 5     | 70      | OTSM80-210B 50HP   | OTSD80-210B 60HP   | CDL(F) 16-4 5.5HP |
| EDJ600/5.5-50-60-7.5   | 600  | 5.5   | 80      | OTSM80-210A 50HP   | OTSD80-210A 60HP   | CDL(F) 16-5 7.5HP |
| EDJ600/6-60-75-7.5     | 600  | 6     | 90      | OTSM80-270B 60HP   | OTSD80-270B 75HP   | CDL(F) 16-6 7.5HP |
| EDJ600/7.5-60-75-10    | 600  | 7-7.5 | 100-110 | OTSM80-270B 60HP   | OTSD80-270B 75HP   | CDL(F) 16-8 10HP  |
| EDJ600/8-75-90-10      | 600  | 8     | 120     | OTSM80-270B 75HP   | OTSD80-270B 90HP   | CDL(F) 16-8 10HP  |
| EDJ600/9-75-90-15      | 600  | 9     | 130     | OTSM80-270B 75HP   | OTSD80-270B 90HP   | CDL(F) 16-10 15HP |
| EDJ750/5-50-60-7.5     | 750  | 5     | 70      | OTSM100-375A 50HP  | OTSD100-375A 60HP  | CDL(F) 16-5 7.5HP |
| EDJ750/6-60-75-7.5     | 750  | 6     | 80-90   | OTSM80-270A 60HP   | OTSD80-270A 75HP   | CDL(F) 16-6 7.5HP |
| EDJ750/7.5-75-90-15    | 750  | 7-7.5 | 100-110 | OTSM80-270A 75HP   | OTSD80-270A 90HP   | CDL(F) 16-10 15HP |
| EDJ750/9-100-125-15    | 750  | 8-9   | 120-130 | OTSM80-270A 100HP  | OTSD80-270A 125HP  | CDL(F) 16-10 15HP |
| EDJ1000/5-60-75-7.5    | 1000 | 5     | 70      | OTSM100-250B 60HP  | OTSD100-250B 75HP  | CDL(F) 20-5 7.5HP |
| EDJ1000/5.5-75-90-10   | 1000 | 5.5   | 80      | OTSM100-250A 75HP  | OTSD100-250A 90HP  | CDL(F) 20-7 10HP  |
| EDJ1000/7.5-100-125-10 | 1000 | 6-7.5 | 90-110  | OTSM100-250A 100HP | OTSD100-250A 125HP | CDL(F) 20-7 10HP  |
| EDJ1000/9-120-150-15   | 1000 | 8-9   | 120-130 | OTSM100-310B 120HP | OTSD100-310B 150HP | CDL(F) 20-10 15HP |
| EDJ1000/11-150-180-20  | 1000 | 10-11 | 140-160 | OTSM100-310B 150HP | OTSD100-310B 180HP | CDL(F) 20-12 20HP |
| EDJ1000/12-180-225-20  | 1000 | 12    | 170     | OTSM100-310B 180HP | OTSD100-310B 225HP | CDL(F) 20-12 20HP |
| EDJ1250/75-90-10       | 1000 | 5     | 70      | OTSM100-250A 75HP  | OTSD100-250A 90HP  | CDL(F) 32-40 10HP |

DJ EJ EEJ also available

Other model can provide on request



TECHNICAL DATA

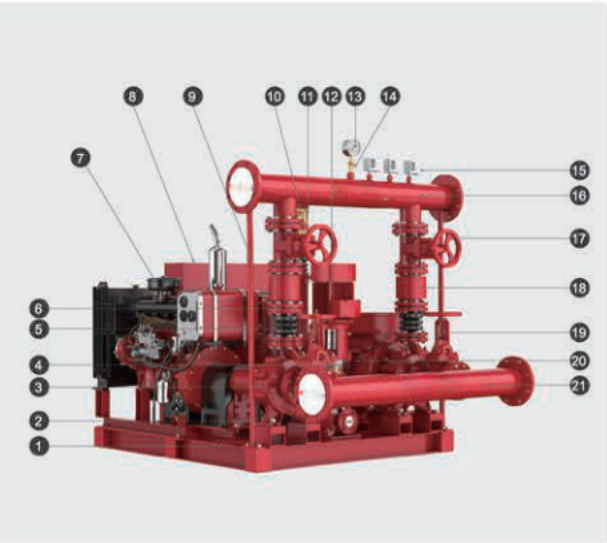
50 Hz/60Hz n=2900/3500 l/min

|  | Q    | H     | H       | Electric                                                                          | Diesel                                                                             | Jockey                                                                              |
|-----------------------------------------------------------------------------------|------|-------|---------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   | GPM  | Bar   | PSI     |  |  |  |
| EDJ1250/90-120-15                                                                 | 1000 | 6     | 80-90   | OTSM100-250A 90HP                                                                 | OTSD100-250A 120HP                                                                 | CDL(F) 32-50 15HP                                                                   |
| EDJ1250/120-150-15                                                                | 1250 | 7     | 100     | OTSM100-250A 120HP                                                                | OTSD100-250A 150HP                                                                 | CDL(F) 32-50 15HP                                                                   |
| EDJ1250/7.5-150-180-15                                                            | 1250 | 7.5   | 110     | OTSM125-290B 150HP                                                                | OTSD125-290B 180HP                                                                 | CDL(F) 32-60-2 15HP                                                                 |
| EDJ1250/9-150-180-20                                                              | 1250 | 8-9   | 120-130 | OTSM100-310A 150HP                                                                | OTSD100-310A 180HP                                                                 | CDL(F) 32-70-2 20HP                                                                 |
| EDJ1250/11-180-225-20                                                             | 1250 | 10-11 | 140-160 | OTSM100-310A 180HP                                                                | OTSD100-310A 225HP                                                                 | CDL(F) 32-80-2 20HP                                                                 |
| EDJ1250/12-220-312-25                                                             | 1250 | 12    | 175     | OTSM100-310A 220HP                                                                | OTSD100-310A 312HP                                                                 | CDL(F) 32-90-2 25HP                                                                 |
| EDJ1500/5-90-120-15                                                               | 1500 | 5     | 70      | OTSM125-230B 90HP                                                                 | OTSD125-230B 120HP                                                                 | CDL(F) 45-30-2 15HP                                                                 |
| EDJ1500/6-120-150-15                                                              | 1500 | 5.5-6 | 80-90   | OTSM125-230B 120HP                                                                | OTSD125-230B 150HP                                                                 | CDL(F) 45-30 15HP                                                                   |
| EDJ1500/7.5-150-180-20                                                            | 1500 | 7-7.5 | 100-110 | OTSM125-290B 150HP                                                                | OTSD125-230B 180HP                                                                 | CDL(F) 45-40-2 20HP                                                                 |
| EDJ1500/9-180-225-20                                                              | 1500 | 8-9   | 120-130 | OTSM125-290B 180HP                                                                | OTSD125-290B 225HP                                                                 | CDL(F) 45-40-2 20HP                                                                 |
| EDJ1500/9.5-220-312-25                                                            | 1500 | 9.5   | 140     | OTSM125-290B 220HP                                                                | OTSD125-290B 312HP                                                                 | CDL(F) 45-50-2 25HP                                                                 |
| EDJ1500/10-220-312-25                                                             | 1500 | 10    | 150     | OTSM150-605A 220HP                                                                | OTSD150-605A 312HP                                                                 | CDL(F) 45-50-2 25HP                                                                 |
| EDJ1500/11-272-380-25                                                             | 1500 | 11    | 160     | OTSM150-605A 272HP                                                                | OTSD150-605A 380HP                                                                 | CDL(F) 45-50 25HP                                                                   |
| EDJ2000/8-218-314-25                                                              | 2000 | 8     | 110-120 | OTSM200-520A 218HP                                                                | OTSD200-520A 314HP                                                                 | CDL(F) 45-50 25HP                                                                   |
| EDJ2000/9-250-314-25                                                              | 2000 | 9     | 130     | OTSM200-520A 250HP                                                                | OTSD200-520A 314HP                                                                 | CDL(F) 45-50 25HP                                                                   |
| EDJ2000/10-272-314-30                                                             | 2000 | 10    | 145     | OTSM200-520A 272HP                                                                | OTSD200-520A 314HP                                                                 | CDL(F) 45-60 30HP                                                                   |
| EDJ2000/13-340-419-40                                                             | 2000 | 13    | 188     | OTSM200-670A 340HP                                                                | OTSD200-670A 419HP                                                                 | CDL(F) 45-70 40HP                                                                   |
| EDJ2000/15-380-449-40                                                             | 2000 | 14-15 | 200-220 | OTSM200-670A 380HP                                                                | OTSD200-670A 449HP                                                                 | CDL(F) 45-80 40HP                                                                   |
| EDJ2000/16-428-449-40                                                             | 2000 | 16    | 232     | OTSM200-670A 428HP                                                                | OTSD200-670A 449HP                                                                 | CDL(F) 45-90-2 40HP                                                                 |
| EDJ2500/6-218-240-25                                                              | 2500 | 6     | 80-90   | OTSM250-480B 218HP                                                                | OTSD250-480B 240HP                                                                 | CDL(F) 64-30 25HP                                                                   |
| EDJ2500/7-250-314-25                                                              | 2500 | 7     | 100     | OTSM250-480B 250HP                                                                | OTSD250-480B 314HP                                                                 | CDL(F) 64-40-2 25HP                                                                 |
| EDJ2500/9-272-374-40                                                              | 2500 | 9     | 130     | OTSM250-600A 272HP                                                                | OTSD250-600A 374HP                                                                 | CDL(F) 64-50 40HP                                                                   |
| EDJ2500/10-340-374-40                                                             | 2500 | 10    | 150     | OTSM250-600A 340HP                                                                | OTSD250-600A 374HP                                                                 | CDL(F) 64-50 40HP                                                                   |
| EDJ3000/6-218-314-25                                                              | 3000 | 6     | 80-90   | OTSM250-480B 218HP                                                                | OTSD250-480B 314HP                                                                 | CDL(F) 90-30-2 25HP                                                                 |
| EDJ3000/10-380-449-40                                                             | 3000 | 10    | 150     | OTSM250-600A 380HP                                                                | OTSD250-600A 449HP                                                                 | CDL(F) 90-40 40HP                                                                   |
| EDJ3000/11-428-449-50                                                             | 3000 | 11    | 160     | OTSM250-600A 428HP                                                                | OTSD250-600A 449HP                                                                 | CDL(F) 90-50 50HP                                                                   |

DJ EJ EEJ also available

Other model can provide on request

MATERIAL DESCRIPTION



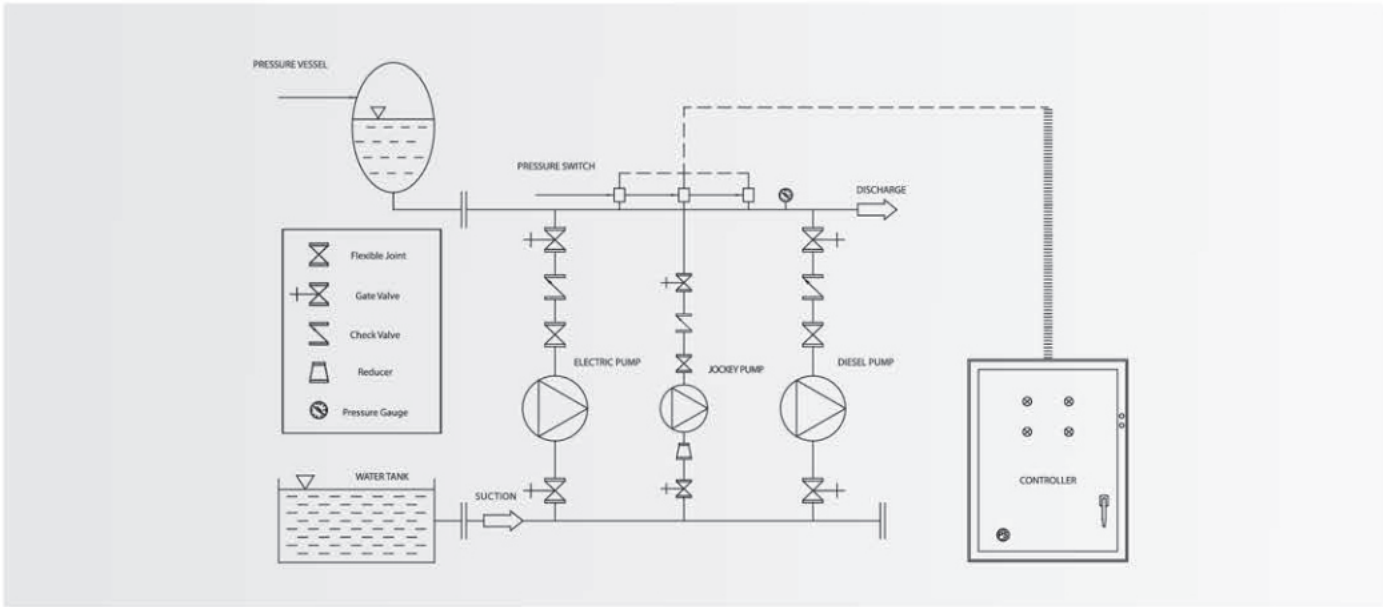
| No. | Description                  | Material               |
|-----|------------------------------|------------------------|
| 1   | Base                         | Iron                   |
| 2   | Support rod                  | Iron                   |
| 3   | Diesel pump(Standby)         | Cast iron              |
| 4   | Relief valve                 | Brass                  |
| 5   | Flexible joint               | Rubber                 |
| 6   | Flange                       | Cast iron              |
| 7   | Diesel engine                | Internal combustion    |
| 8   | Electric controller          | DOL/Star-delta         |
| 9   | Jockey controller            | DOL                    |
| 10  | Diesel controller            | DOL                    |
| 11  | Pressure tank                | Iron/EPDM membrane     |
| 12  | Jockey check valve           | Brass                  |
| 13  | Jockey gate valve            | Brass                  |
| 14  | Jockey pump                  | Cast iron/SS304        |
| 15  | Pressure gauge               | 0-16bar                |
| 16  | Relief valve                 | Brass                  |
| 17  | Pressure switch              | 0-16bar                |
| 18  | Discharge pipeline           | Carbon steel           |
| 19  | Gate valve                   | Cast iron/Ductile iron |
| 20  | Check valve                  | Cast iron/Ductile iron |
| 21  | OS&Y valve                   | Cast iron/Ductile iron |
| 22  | Electric pump(Main supplier) | Cast iron              |
| 23  | Suction pipeline             | Carbon steel           |

PIPE DIAMETERSTABLE

| Pump Flow Rate |      | Minimum Pipe Diameters (Nominal) |            |
|----------------|------|----------------------------------|------------|
| GPM            | m3/h | Suction                          | Discharge  |
| 25             | 6    | 1"-DN25                          | 1"-DN25    |
| 50             | 11   | 1 ½ "-DN40                       | 1 ½ "-DN32 |
| 100            | 23   | 2"-DN50                          | 2"-DN50    |
| 150            | 34   | 2 ½ "-DN65                       | 2 ½ "-DN65 |
| 200            | 45   | 3"-DN80                          | 3"-DN80    |
| 250            | 57   | 4"-DN100                         | 3"-DN80    |
| 300            | 68   | 4"-DN100                         | 4"-DN100   |
| 400            | 91   | 4"-DN100                         | 4"-DN100   |
| 450            | 102  | 5"-DN125                         | 5"-DN125   |
| 500            | 114  | 5"-DN125                         | 5"-DN125   |

| Pump Flow Rate |      | Minimum Pipe Diameters (Nominal) |           |
|----------------|------|----------------------------------|-----------|
| GPM            | m3/h | Suction                          | Discharge |
| 750            | 170  | 6"-DN150                         | 6"-DN150  |
| 1000           | 227  | 8"-DN200                         | 6"-DN150  |
| 1250           | 284  | 8"-DN200                         | 8"-DN200  |
| 1500           | 341  | 8"-DN200                         | 8"-DN200  |
| 2000           | 455  | 10"-DN250                        | 10"-DN250 |
| 2500           | 568  | 10"-DN250                        | 10"-DN250 |
| 3000           | 682  | 12"-DN300                        | 12"-DN300 |
| 3500           | 795  | 12"-DN300                        | 12"-DN300 |
| 4000           | 909  | 14"-DN350                        | 12"-DN300 |
| 4500           | 1023 | 16"-DN400                        | 14"-DN350 |
| 5000           | 1136 | 16"-DN400                        | 14"-DN350 |

SCHMATIC DIAGRAM OF FIRE PUMP





TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

|  | Q   | H   | Electric                                                                          |                     | Diesel                                                                             | Jockey                                                                              |                                                                                     |
|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |     |     | Option 1                                                                          | Option 2            |                                                                                    | Option 1                                                                            | Option 2                                                                            |
|                                                                                   |     |     | Close coupled                                                                     | Separate coupled    |                                                                                    | SS304 impeller                                                                      | SS304 impeller                                                                      |
|  | GPM | Bar |  |                     |  |  |  |
| EDJ 50/6-7.5-8.6-1                                                                | 50  | 6   | SCM 32-250/55 7.5HP                                                               | SSM 32-250/55 7.5HP | SSD 32-250/55 8.6HP                                                                | CDL 1-15 1HP                                                                        | CDLF 1-15 1HP                                                                       |
| EDJ 50/7-12-17-1                                                                  | 50  | 7   | SCM 32-250/92 12HP                                                                | SSM 32-250/92 12HP  | SSD 32-250/92 17HP                                                                 | CDL 1-15 1HP                                                                        | CDLF 1-15 1HP                                                                       |
| EDJ 50/8-15-17-1                                                                  | 50  | 8   | SCM 32-250/110 15HP                                                               | SSM 32-250/110 15HP | SSD 32-250/110 17HP                                                                | CDL 1-15 1HP                                                                        | CDLF 1-15 1HP                                                                       |
| EDJ 50/9-20-27-1.5                                                                | 50  | 9   | SCM 32-250/150 20HP                                                               | SSM 32-250/150 20HP | SSD 32-250/150 27HP                                                                | CDL 1-17 1.5HP                                                                      | CDLF 1-17 1.5HP                                                                     |
| EDJ 100/6-15-17-1.5                                                               | 100 | 6   | SCM 40-250/110 15HP                                                               | SSM 40-250/110 15HP | SSM 40-250/110 17HP                                                                | CDL 2-9 1.5HP                                                                       | CDLF 2-9 1.5HP                                                                      |
| EDJ 100/7-20-27-1.5                                                               | 100 | 7   | SCM 40-250/150 20HP                                                               | SSM 40-250/150 20HP | SSD 40-250/150 27HP                                                                | CDL 2-11 1.5HP                                                                      | CDLF 2-11 1.5HP                                                                     |
| EDJ 100/8-20-27-2                                                                 | 100 | 8   | SCM 40-250/150 20HP                                                               | SSM 40-250/150 20HP | SSD 40-250/150 27HP                                                                | CDL 2-13 2HP                                                                        | CDLF 2-13 2HP                                                                       |
| EDJ 120/6-15-17-1.5                                                               | 120 | 6   | SCM 40-250/110 15HP                                                               | SSM 40-250/110 15HP | SSM 40-250/110 17HP                                                                | CDL 2-11 1.5HP                                                                      | CDLF 2-11 1.5HP                                                                     |
| EDJ 120/8-20-27-2                                                                 | 120 | 8   | SCM 40-250/150 20HP                                                               | SSM 40-250/150 20HP | SSD 40-250/150 27HP                                                                | CDL 2-15 2HP                                                                        | CDLF 2-15 2HP                                                                       |
| EDJ 150/6-15-17-2                                                                 | 150 | 6   | SCM 40-250/110 15HP                                                               | SSM 40-250/110 15HP | SSD 40-250/110 17HP                                                                | CDL 4-8 2HP                                                                         | CDLF 4-8 2HP                                                                        |
| EDJ 150/8-15-12-3                                                                 | 150 | 7-8 | SCM 40-250/150 20HP                                                               | SSM 40-250/150 20HP | SSD 40-250/150 27HP                                                                | CDL 4-12 3HP                                                                        | CDLF 4-12 3HP                                                                       |
| EDJ 200/6-20-27-3                                                                 | 200 | 6   | SCM 50-250/150 20HP                                                               | SSM 50-250/150 20HP | SSD 50-250/150 27HP                                                                | CDL 4-10 3HP                                                                        | CDLF 4-10 3HP                                                                       |
| EDJ 200/7-25-27-3                                                                 | 200 | 7   | SCM 50-250/185 25HP                                                               | SSM 50-250/185 25HP | SSD 50-250/185 27HP                                                                | CDL 4-10 3HP                                                                        | CDLF 4-10 3HP                                                                       |
| EDJ 200/8-30-38-3                                                                 | 200 | 8   | SCM 50-250/220 30HP                                                               | SSM 50-250/220 30HP | SSD 50-250/220 38HP                                                                | CDL 4-12 3HP                                                                        | CDLF 4-12 3HP                                                                       |
| EDJ 200/9-40-49-3                                                                 | 200 | 9   | -                                                                                 | SSM 50-250/300 40HP | SSD 50-250/300 49HP                                                                | CDL 4-12 3HP                                                                        | CDLF 4-12 3HP                                                                       |
| EDJ 250/7-25-27-3                                                                 | 250 | 7   | SCM 50-250/185 25HP                                                               | SSM 50-250/185 25HP | SSD 50-250/185 38HP                                                                | CDL 4-12 3HP                                                                        | CDLF 4-12 3HP                                                                       |
| EDJ 250/8-30-38-3                                                                 | 250 | 8   | SCM 50-250/220 30HP                                                               | SSM 50-250/220 30HP | SSD 50-250/220 38HP                                                                | CDL 4-12 3HP                                                                        | CDLF 4-12 3HP                                                                       |
| EDJ 250/9-50-58-4                                                                 | 250 | 9   | SCM 65-250/370 50HP                                                               | SSM 65-250/370 50HP | SSD 65-250/370 58HP                                                                | CDL 4-14 4HP                                                                        | CDLF 4-14 4HP                                                                       |
| EDJ 300/6-25-38-4                                                                 | 300 | 6   | SCM 50-250/185 25HP                                                               | SSM 50-250/185 25HP | SSD 50-250/185 38HP                                                                | CDL 8-8 4HP                                                                         | CDLF 8-8 4HP                                                                        |
| EDJ 300/7-30-38-4                                                                 | 300 | 7   | SCM 50-250/220 30HP                                                               | SSM 50-250/220 30HP | SSD 50-250/220 38HP                                                                | CDL 8-8 4HP                                                                         | CDLF 8-8 4HP                                                                        |
| EDJ 300/8-40-58-5.5                                                               | 300 | 8   | -                                                                                 | SSM50-250/300 40HP  | SSD 50-250/300 58HP                                                                | CDL 8-10 5.5HP                                                                      | CDLF 8-10 5.5HP                                                                     |
| EDJ 300/9-50-58-4                                                                 | 300 | 9   | SCM 65-250/370 50HP                                                               | SSM 65-250/370 50HP | SSD 65-250/370 58HP                                                                | CDL 4-14 4HP                                                                        | CDLF 4-14 4HP                                                                       |
| EDJ 350/7-40-49-4                                                                 | 350 | 7   | SCM 65-250/300 40HP                                                               | SSM 65-250/300 40HP | SSD 65-250/300 49HP                                                                | CDL 8-8 4HP                                                                         | CDLF 8-8 4HP                                                                        |
| EDJ 350/8-50-58-5.5                                                               | 350 | 8   | SCM 65-250/370 50HP                                                               | SSM 65-250/370 50HP | SSD 65-250/370 58HP                                                                | CDL 8-10 5.5HP                                                                      | CDLF 8-10 5.5HP                                                                     |
| EDJ 350/9-60-75-5.5                                                               | 350 | 9   | SCM 65-315/450 60HP                                                               | SSM 65-315/450 60HP | SSM 65-315/450 75HP                                                                | CDL 8-10 5.5HP                                                                      | CDLF 8-10 5.5HP                                                                     |
| EDJ 400/7-40-49-4                                                                 | 400 | 7   | SCM 65-250/300 40HP                                                               | SSM 65-250/300 40HP | SSD 65-250/300 49HP                                                                | CDL 8-8 4HP                                                                         | CDLF 8-8 4HP                                                                        |
| EDJ 400/8-50-58-5.5                                                               | 400 | 8   | SCM 65-250/370 50HP                                                               | SSM 65-250/370 50HP | SSD 65-250/370 58HP                                                                | CDL 8-10 5.5HP                                                                      | CDLF 8-10 5.5HP                                                                     |
| EDJ 400/9-60-75-5.5                                                               | 400 | 9   | SCM 65-315/450 60HP                                                               | SSM 65-315/450 60HP | SSD 65-315/450 75HP                                                                | CDL 8-12 5.5HP                                                                      | CDLF 8-12 5.5HP                                                                     |
| EDJ 500/7-50-58-7.5                                                               | 500 | 6-7 | SCM 80-250/370 50HP                                                               | SSM 80-250/370 50HP | SSD 80-250/370 58HP                                                                | CDL 12-8 7.5HP                                                                      | CDLF 12-8 7.5HP                                                                     |
| EDJ 500/8-60-75-7.5                                                               | 500 | 8   | SCM 80-250/450 60HP                                                               | SCM 80-250/450 60HP | SSD 80-250/450 75HP                                                                | CDL 12-8 7.5HP                                                                      | CDLF 12-8 7.5HP                                                                     |
| EDJ 500/9-60-75-7.5                                                               | 500 | 9   | SCM 65-315/450 60HP                                                               | SSM 65-315/450 60HP | SSD 65-315/450 75HP                                                                | CDL 12-9 7.5HP                                                                      | CDLF 12-9 7.5HP                                                                     |
| DJ EJ EEJ also available                                                          |     |     | Other model can provide on request                                                |                     |                                                                                    |                                                                                     |                                                                                     |

TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

|  | Q    | H     | Electric                                                                            |                         | Diesel                                                                              | Jockey                                                                              |                                                                                     |
|-------------------------------------------------------------------------------------|------|-------|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                     |      |       | Option 1                                                                            | Option 2                |                                                                                     | Option 1                                                                            | Option 2                                                                            |
|                                                                                     |      |       | Close coupled                                                                       | Separate coupled        |                                                                                     | SS304 impeller                                                                      | SS304 impeller                                                                      |
|  | GPM  | Bar   |  |                         |  |  |  |
| EDJ 500/11-75-100-10                                                                | 500  | 10-11 | SCM 65-315/550 75HP                                                                 | SSM 65-315/550 75HP     | SSD 65-315/550 100HP                                                                | CDL 12-12 10HP                                                                      | CDLF 12-12 10HP                                                                     |
| EDJ 500/13-100-122-15                                                               | 500  | 12-13 | SCM 65-315/750 100HP                                                                | SSM 65-315/750 100HP    | SSD 65-315/750 122HP                                                                | CDL 12-14 15HP                                                                      | CDLF 12-14 15HP                                                                     |
| EDJ 500/14-125-150-15                                                               | 500  | 14    | SCM 65-315/900 125HP                                                                | SSM 65-315/900 125HP    | SSD 65-315/900 150HP                                                                | CDL 12-14 15HP                                                                      | CDLF 12-14 15HP                                                                     |
| EDJ 750/7-60-75-10                                                                  | 750  | 6-7   | SCM 80-250/450 60HP                                                                 | SSM 80-250/450 60HP     | SSD 80-250/450 75HP                                                                 | CDL 16-8 10HP                                                                       | CDLF 16-8 10HP                                                                      |
| EDJ 750/8-75-100-10                                                                 | 750  | 8     | SCM 80-250/550 75HP                                                                 | SSM 80-250/550 75HP     | SSD 80-250/550 100HP                                                                | CDL 16-8 10HP                                                                       | CDLF 16-8 10HP                                                                      |
| EDJ 750/9-100-122-10                                                                | 750  | 9     | -                                                                                   | SSM 80-250/750 100HP    | SSD 80-250/750 122HP                                                                | CDL 16-8 10HP                                                                       | CDLF 16-8 10HP                                                                      |
| EDJ 750/11-100-122-15                                                               | 750  | 10-11 | SCM 80-315/750 100HP                                                                | SSM 80-315/750 100HP    | SSD 80-315/750 122HP                                                                | CDL 16-10 15HP                                                                      | CDLF 16-10 15HP                                                                     |
| EDJ 750/13-125-150-15                                                               | 750  | 12-13 | SCM 80-315/900 125HP                                                                | SSM 80-315/900 125HP    | SSD 80-315/900 150HP                                                                | CDL 16-12 15HP                                                                      | CDLF 16-12 15HP                                                                     |
| EDJ 750/14-150-180-20                                                               | 750  | 14    | -                                                                                   | SSM 80-315/1100 150HP   | SSD 80-315/1100 180HP                                                               | CDL 16-14 20HP                                                                      | CDLF 16-14 20HP                                                                     |
| EDJ 1000/8-100-122-15                                                               | 1000 | 8     | SCM 100-250/750 100HP                                                               | SSM 100-250/750 100HP   | SSD 100-250/750 122HP                                                               | CDL 20-8 15HP                                                                       | CDLF 20-8 15HP                                                                      |
| EDJ 1000/9-125-150-15                                                               | 1000 | 9     | SCM 100-250/900 125HP                                                               | SSM 100-250/900 125HP   | SSD 100-250/900 150HP                                                               | CDL 20-10 15HP                                                                      | CDLF 20-10 15HP                                                                     |
| EDJ 1000/11-150-180-15                                                              | 1000 | 10-11 | SCM 100-315/1100 150HP                                                              | SSM 100-315/1100 150HP  | SSD 100-315/1100 180HP                                                              | CDL 20-10 15HP                                                                      | CDLF 20-10 15HP                                                                     |
| EDJ 1000/12-180-231-20                                                              | 1000 | 12    | SCM 100-315/1320 180HP                                                              | SSM 100-315/1320 180HP  | SSD 100-315/1320 231HP                                                              | CDL 20-14 20HP                                                                      | CDLF 20-14 20HP                                                                     |
| EDJ 1000/14-220-258-20                                                              | 1000 | 13-14 | SCM 100-315/1600 220HP                                                              | SSM 100-315/1600 220HP  | SSD 100-315/1600 258HP                                                              | CDL 20-14 20HP                                                                      | CDLF 20-14 20HP                                                                     |
| EDJ 1250/8-150-180-15                                                               | 1250 | 8     | -                                                                                   | SSM 125-250/1100 150HP  | SSD 125-250/1100 180HP                                                              | CDL 32-60 15HP                                                                      | CDLF 32-60 15HP                                                                     |
| EDJ 1250/9-180-231-15                                                               | 1250 | 9     | -                                                                                   | SSM 125-315/1320 180HP  | SSD 125-315/1320 231HP                                                              | CDL 32-60 15HP                                                                      | CDLF 32-60 15HP                                                                     |
| EDJ 1250/11-220-312-20                                                              | 1250 | 10-11 | -                                                                                   | SSM 125-315/1600 220HP  | SSD 125-315/1600 312HP                                                              | CDL 32-80 20HP                                                                      | CDLF 32-80 20HP                                                                     |
| EDJ 1250/12-250-312-25                                                              | 1250 | 12    | -                                                                                   | SSM 125-315/1850 250HP  | SSD 125-315/1850 312HP                                                              | CDL 32-90 25P                                                                       | CDLF 32-90 25P                                                                      |
| EDJ 1250/13-270-312-25                                                              | 1250 | 13    | -                                                                                   | SSM 125-315/2000 270HP  | SSD 125-315/2000 312HP                                                              | CDL 32-100 25HP                                                                     | CDLF 32-100 25HP                                                                    |
| EDJ 1500/8-180-231-20                                                               | 1500 | 8     | -                                                                                   | SSM 125-250H/1320 180HP | SSD 125-250H/1320 231HP                                                             | CDL 32-80 20HP                                                                      | CDLF 32-80 20HP                                                                     |
| EDJ 1500/9-180-170-20                                                               | 1500 | 9     | -                                                                                   | SSM 125-315/1320 180HP  | SSD 125-315/1320 231HP                                                              | CDL 32-80 20HP                                                                      | CDLF 32-80 20HP                                                                     |
| EDJ 1500/10-220-312-20                                                              | 1500 | 10    | -                                                                                   | SSM 125-315/1600 220HP  | SSD 125-315/1600 312HP                                                              | CDL 32-80 20HP                                                                      | CDLF 32-80 20HP                                                                     |
| EDJ 1500/12-250-312-25                                                              | 1500 | 11-12 | -                                                                                   | SSM 125-315/1850 250HP  | SSD 125-315/1850 312HP                                                              | CDL 32-100 25HP                                                                     | CDLF 32-100 25HP                                                                    |
| EDJ 1500/13-270-312-25                                                              | 1500 | 13    | -                                                                                   | SSM 125-315/2000 270HP  | SSD 125-315/2000 312HP                                                              | CDL 32-100 25HP                                                                     | CDLF 32-100 25HP                                                                    |
| EDJ 2000/8-220-312-25                                                               | 2000 | 8     | -                                                                                   | SSM 150-250/1600 220HP  | SSD 150-250/1600 312HP                                                              | CDL 45-50 25HP                                                                      | CDLF 45-50 25HP                                                                     |
| EDJ 2000/9-270-312-25                                                               | 2000 | 9     | -                                                                                   | SSM 150-250/2000 270HP  | SSD 150-250/2000 312HP                                                              | CDL 45-50 25HP                                                                      | CDLF 45-50 25HP                                                                     |
| EDJ 2000/10-340-419-30                                                              | 2000 | 10    | -                                                                                   | SSM 150-315/2500 340HP  | SSD 150-315/2500 419HP                                                              | CDL 45-60 30HP                                                                      | CDLF 45-60 30HP                                                                     |
| EDJ 2000/13-430-449-40                                                              | 2000 | 11-13 | -                                                                                   | SSM 150-315/3150 430HP  | SSD 150-315/3150 449HP                                                              | CDL 45-70 40HP                                                                      | CDLF 45-70 40HP                                                                     |
| EDJ 2500/8-220-312-30                                                               | 2500 | 8     | -                                                                                   | SSM 150-250/1600 220HP  | SSD 150-250/1600 312HP                                                              | CDL 64-40 30HP                                                                      | CDLF 64-40 30HP                                                                     |
| EDJ 2500/9-270-312-40                                                               | 2500 | 9     | -                                                                                   | SSM 150-250/2000 270HP  | SSD 150-250/2000 312HP                                                              | CDL 64-50 40HP                                                                      | CDLF 64-50 40HP                                                                     |
| EDJ 2500/10-340-419-40                                                              | 2500 | 10    | -                                                                                   | SSM 150-315/2500 340HP  | SSD 150-315/2500 419HP                                                              | CDL 64-50 40HP                                                                      | CDLF 64-50 40HP                                                                     |
| EDJ 2500/12-430-449-40                                                              | 2500 | 11-12 | -                                                                                   | SSM 150-315/3150 430HP  | SSD 150-315/3150 449HP                                                              | CDL 64-60-2 40HP                                                                    | CDLF 64-60-2 40HP                                                                   |
| DJ EJ EEJ also available                                                            |      |       | Other model can provide on request                                                  |                         |                                                                                     |                                                                                     |                                                                                     |



TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

|  | Q   | H     | H       | Electric                                                                          | Diesel                                                                            | Jockey         |                 |
|-----------------------------------------------------------------------------------|-----|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|-----------------|
|                                                                                   | GPM | Bar   | PSI     |  |  | Option 1       | Option 2        |
| EDJ100/5-15-20-1                                                                  | 100 | 5     | 70      | XBD5.0/10GJ 15HP                                                                  | XBC5.0/10GJ 20HP                                                                  | CDL 2-7 1HP    | CDLF 2-7 1HP    |
| EDJ100/6-20-27-1.5                                                                | 100 | 6     | 80      | XBD6.0/10GJ 20HP                                                                  | XBC6.0/10GJ 27HP                                                                  | CDL 2-9 1.5HP  | CDLF 2-9 1.5HP  |
| EDJ100/7-25-32-1.5                                                                | 100 | 7     | 90-100  | XBD7.0/10GJ 25HP                                                                  | XBC7.0/10GJ 32HP                                                                  | CDL 2-11 1.5HP | CDLF 2-11 1.5HP |
| EDJ100/9-30-38-2                                                                  | 100 | 8-9   | 110-130 | XBD9.0/10GJ 30HP                                                                  | XBC9.0/10GJ 38HP                                                                  | CDL 2-13 2HP   | CDLF 2-13 2HP   |
| EDJ100/10-30-38-2                                                                 | 100 | 10    | 140-150 | XBD11.0/10GJ 30HP                                                                 | XBC11.0/10GJ 38HP                                                                 | CDL 2-15 2HP   | CDLF 2-15 2HP   |
| EDJ100/12-40-49-3                                                                 | 100 | 11-12 | 160-175 | XBD12.5/10GJ 40HP                                                                 | XBC12.5/10GJ 49HP                                                                 | CDL 2-18 3HP   | CDLF 2-18 3HP   |
| EDJ100/14-40-49-3                                                                 | 100 | 13-14 | 200     | XBD14.5/10GJ 40HP                                                                 | XBC14.5/10GJ 49HP                                                                 | CDL 2-22 3HP   | CDLF 2-22 3HP   |
| EDJ150/5-15-20-1.5                                                                | 150 | 5     | 70      | XBD5.0/10GJ 15HP                                                                  | XBC5.0/10GJ 20HP                                                                  | CDL 3-13 1.5HP | CDLF 3-13 1.5HP |
| EDJ150/6-20-27-2                                                                  | 150 | 6     | 80      | XBD6.0/10GJ 20HP                                                                  | XBC6.0/10GJ 27HP                                                                  | CDL 3-17 2HP   | CDLF 3-17 2HP   |
| EDJ150/7-25-32-2                                                                  | 150 | 7     | 90-100  | XBD7.0/10GJ 25HP                                                                  | XBC7.0/10GJ 32HP                                                                  | CDL 3-19 2HP   | CDLF 3-19 2HP   |
| EDJ150/9-30-38-3                                                                  | 150 | 8-9   | 110-130 | XBD9.0/10GJ 30HP                                                                  | XBC9.0/10GJ 38HP                                                                  | CDL 3-25 3HP   | CDLF 3-25 3HP   |
| EDJ150/10-30-38-3                                                                 | 150 | 10    | 140-150 | XBD11.0/10GJ 30HP                                                                 | XBC11.0/10GJ 38HP                                                                 | CDL 3-27 3HP   | CDLF 3-27 3HP   |
| EDJ150/12-40-49-4                                                                 | 150 | 11-12 | 160-175 | XBD12.5/10GJ 40HP                                                                 | XBC12.5/10GJ 49HP                                                                 | CDL 3-31 4HP   | CDLF 3-31 4HP   |
| EDJ150/14-40-49-4                                                                 | 150 | 13-14 | 200     | XBD14.5/10GJ 40HP                                                                 | XBC14.5/10GJ 49HP                                                                 | CDL 3-36 4HP   | CDLF 3-36 4HP   |
| EDJ200/5-20-27-2                                                                  | 200 | 5     | 70      | XBD5.2/15GJ 20HP                                                                  | XBC5.2/15GJ 27HP                                                                  | CDL 4-7 2HP    | CDLF 4-7 2HP    |
| EDJ200/6-20-27-3                                                                  | 200 | 6     | 80      | XBD6.0/15GJ 20HP                                                                  | XBC6.0/15GJ 27HP                                                                  | CDL 4-10 3HP   | CDLF 4-10 3HP   |
| EDJ200/7-25-32-3                                                                  | 200 | 7     | 90-100  | XBD7.0/15GJ 25HP                                                                  | XBC7.0/15GJ 32HP                                                                  | CDL 4-10 3HP   | CDLF 4-10 3HP   |
| EDJ200/9-40-49-4                                                                  | 200 | 8-9   | 120-130 | XBD10.0/15GJ 40HP                                                                 | XBC10.0/15GJ 49HP                                                                 | CDL 4-14 4HP   | CDLF 4-14 4HP   |
| EDJ200/10-40-49-4                                                                 | 200 | 10    | 140-150 | XBD11.0/15GJ 40HP                                                                 | XBC11.0/15GJ 49HP                                                                 | CDL 4-14 4HP   | CDLF 4-14 4HP   |
| EDJ200/12-50-60-4                                                                 | 200 | 11-12 | 160-175 | XBD13.0/15GJ 50HP                                                                 | XBC13.0/15GJ 60HP                                                                 | CDL 4-16 4HP   | CDLF 4-16 4HP   |
| EDJ200/14-50-60-5.5                                                               | 200 | 13-14 | 200     | XBD14.0/15GJ 50HP                                                                 | XBC14.0/15GJ 60HP                                                                 | CDL 4-19 5.5HP | CDLF 4-19 5.5HP |
| EDJ250/5-25-32-2                                                                  | 250 | 5     | 70      | XBD5.0/20GJ 25HP                                                                  | XBC5.0/20GJ 32HP                                                                  | CDL 4-8 2HP    | CDLF 4-8 2HP    |
| EDJ250/6-25-32-3                                                                  | 250 | 6     | 80      | XBD6.0/20GJ 25HP                                                                  | XBC6.0/20GJ 32HP                                                                  | CDL 4-10 3HP   | CDLF 4-10 3HP   |
| EDJ250/7-30-38-3                                                                  | 250 | 7     | 90-100  | XBD7.0/20GJ 30HP                                                                  | XBC7.0/20GJ 38HP                                                                  | CDL 4-12 3HP   | CDLF 4-12 3HP   |
| EDJ250/9-40-49-4                                                                  | 250 | 8-9   | 110-130 | XBD9.0/20GJ 40HP                                                                  | XBC9.0/20GJ 49HP                                                                  | CDL 4-14 4HP   | CDLF 4-14 4HP   |
| EDJ250/10-50-60-4                                                                 | 250 | 10    | 140-150 | XBD10.0/20GJ 50HP                                                                 | XBC10.0/20GJ 60HP                                                                 | CDL 4-16 4HP   | CDLF 4-16 4HP   |
| EDJ250/11-60-75-5.5                                                               | 250 | 11    | 160     | XBD12.0/20GJ 60HP                                                                 | XBC12.0/20GJ 75HP                                                                 | CDL 4-19 5.5HP | CDLF 4-19 5.5HP |
| EDJ250/12-60-75-5.5                                                               | 250 | 12    | 175     | XBD13.0/20GJ 60HP                                                                 | XBC13.0/20GJ 75HP                                                                 | CDL 4-19 5.5HP | CDLF 4-19 5.5HP |
| EDJ250/14-60-75-5.5                                                               | 250 | 13-14 | 200     | XBD14.0/20GJ 60HP                                                                 | XBC14.0/20GJ 75HP                                                                 | CDL 4-22 5.5HP | CDLF 4-22 5.5HP |
| EDJ300/5-25-32-3                                                                  | 300 | 5     | 70      | XBD5.0/20GJ 25HP                                                                  | XBC5.0/20GJ 32HP                                                                  | CDL 8-6 3HP    | CDLF 8-6 3HP    |
| EDJ300/6-25-32-4                                                                  | 300 | 6     | 80      | XBD6.0/20GJ 25HP                                                                  | XBC6.0/20GJ 32HP                                                                  | CDL 8-8 4HP    | CDLF 8-8 4HP    |
| EDJ300/7-30-38-4                                                                  | 300 | 7     | 90-100  | XBD7.0/20GJ 30HP                                                                  | XBC7.0/20GJ 38HP                                                                  | CDL 8-8 4HP    | CDLF 8-8 4HP    |
| EDJ300/9-40-49-5.5                                                                | 300 | 8-9   | 110-130 | XBD9.0/20GJ 40HP                                                                  | XBC9.0/20GJ 49HP                                                                  | CDL 8-10 5.5HP | CDLF 8-10 5.5HP |

DJ EJ EEJ also available

Other model can provide on request

TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

|  | Q   | H     | H       | Electric                                                                            | Diesel                                                                              | Jockey         |                 |
|-------------------------------------------------------------------------------------|-----|-------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----------------|
|                                                                                     | GPM | Bar   | PSI     |  |  | Option 1       | Option 2        |
| EDJ300/10-50-60-5.5                                                                 | 300 | 10    | 140-150 | XBD10.0/20GJ 50HP                                                                   | XBC10.0/20GJ 60HP                                                                   | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ300/11-60-75-5.5                                                                 | 300 | 11    | 160     | XBD12.0/20GJ 60HP                                                                   | XBC12.0/20GJ 75HP                                                                   | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ300/12-60-75-7.5                                                                 | 300 | 12    | 175     | XBD13.0/20GJ 60HP                                                                   | XBC13.0/20GJ 75HP                                                                   | CDL 8-14 7.5HP | CDLF 8-14 7.5HP |
| EDJ300/14-60-75-7.5                                                                 | 300 | 13-14 | 200     | XBD14.0/20GJ 60HP                                                                   | XBC14.0/20GJ 75HP                                                                   | CDL 8-16 7.5HP | CDLF 8-16 7.5HP |
| EDJ350/5-30-38-3                                                                    | 350 | 5     | 70      | XBD5.0/25GJ 30HP                                                                    | XBC5.0/25GJ 38HP                                                                    | CDL 8-6 3HP    | CDLF 8-6 3HP    |
| EDJ350/6-40-49-4                                                                    | 350 | 6     | 80      | XBD6.0/25GJ 40HP                                                                    | XBC6.0/25GJ 49HP                                                                    | CDL 8-8 4HP    | CDLF 8-8 4HP    |
| EDJ350/7-40-49-4                                                                    | 350 | 7     | 90-100  | XBD7.0/25GJ 40HP                                                                    | XBC7.0/25GJ 49HP                                                                    | CDL 8-8 4HP    | CDLF 8-8 4HP    |
| EDJ350/9-60-75-5.5                                                                  | 350 | 8-9   | 110-130 | XBD11.0/25GJ 60HP                                                                   | XBC11.0/25GJ 75HP                                                                   | CDL 8-10 5.5HP | CDLF 8-10 5.5HP |
| EDJ350/10-60-75-5.5                                                                 | 350 | 10    | 140-150 | XBD11.0/25GJ 60HP                                                                   | XBC11.0/25GJ 75HP                                                                   | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ350/11-75-90-5.5                                                                 | 350 | 11    | 160     | XBD12.0/25GJ 75HP                                                                   | XBC12.0/25GJ 90HP                                                                   | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ350/12-75-90-7.5                                                                 | 350 | 12    | 175     | XBD14.0/25GJ 75HP                                                                   | XBC14.0/25GJ 90HP                                                                   | CDL 8-14 7.5HP | CDLF 8-14 7.5HP |
| EDJ350/14-75-90-7.5                                                                 | 350 | 13-14 | 200     | XBD14.0/25GJ 75HP                                                                   | XBC14.0/25GJ 90HP                                                                   | CDL 8-16 7.5HP | CDLF 8-16 7.5HP |
| EDJ400/5-30-38-3                                                                    | 400 | 5     | 70      | XBD5.0/30GJ 30HP                                                                    | XBC5.0/30GJ 38HP                                                                    | CDL 8-6 3HP    | CDLF 8-6 3HP    |
| EDJ400/6-40-49-4                                                                    | 400 | 6     | 80      | XBD6.0/30GJ 40HP                                                                    | XBC6.0/30GJ 49HP                                                                    | CDL 8-8 4HP    | CDLF 8-8 4HP    |
| EDJ400/7-50-60-5.5                                                                  | 400 | 7     | 90-100  | XBD7.0/30GJ 50HP                                                                    | XBC7.0/30GJ 60HP                                                                    | CDL 8-10 5.5HP | CDLF 8-10 5.5HP |
| EDJ400/9-60-75-5.5                                                                  | 400 | 8-9   | 110-130 | XBD9.0/30GJ 60HP                                                                    | XBC9.0/30GJ 75HP                                                                    | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ400/10-60-75-5.5                                                                 | 400 | 10    | 140-150 | XBD10.0/30GJ 60HP                                                                   | XBC10.0/30GJ 75HP                                                                   | CDL 8-12 5.5HP | CDLF 8-12 5.5HP |
| EDJ400/11-75-90-7.5                                                                 | 400 | 11    | 160     | XBD12.0/30GJ 75HP                                                                   | XBC12.0/30GJ 90HP                                                                   | CDL 8-14 7.5HP | CDLF 8-14 7.5HP |
| EDJ400/12-75-90-7.5                                                                 | 400 | 12    | 175     | XBD13.0/30GJ 75HP                                                                   | XBC13.0/30GJ 90HP                                                                   | CDL 8-14 7.5HP | CDLF 8-14 7.5HP |
| EDJ400/14-100-120-10                                                                | 400 | 13-14 | 200     | XBD14.0/30GJ 100HP                                                                  | XBC14.0/30GJ 120HP                                                                  | CDL 8-18 10HP  | CDLF 8-18 10HP  |
| EDJ500/5-50-60-4                                                                    | 500 | 5     | 70      | XBD5.0/40GJ 50HP                                                                    | XBC5.0/40GJ 60HP                                                                    | CDL 12-5 4HP   | CDLF 12-5 4HP   |
| EDJ500/6-50-60-5.5                                                                  | 500 | 6     | 80      | XBD6.0/40GJ 50HP                                                                    | XBC6.0/40GJ 60HP                                                                    | CDL 12-6 5.5HP | CDLF 12-6 5.5HP |
| EDJ500/7-60-75-7.5                                                                  | 500 | 7     | 90-100  | XBD7.0/40GJ 60HP                                                                    | XBC7.0/40GJ 75HP                                                                    | CDL 12-7 7.5HP | CDLF 12-7 7.5HP |
| EDJ500/9-100-120-7.5                                                                | 500 | 8-9   | 110-130 | XBD9.0/40GJ 100HP                                                                   | XBC9.0/40GJ 120HP                                                                   | CDL 12-9 7.5HP | CDLF 12-9 7.5HP |
| EDJ500/10-100-120-10                                                                | 500 | 10    | 140-150 | XBD11.0/40GJ 100HP                                                                  | XBC11.0/40GJ 120HP                                                                  | CDL 12-10 10HP | CDLF 12-10 10HP |
| EDJ500/11-120-150-10                                                                | 500 | 11    | 160     | XBD12.0/40GJ 120HP                                                                  | XBC12.0/40GJ 150HP                                                                  | CDL 12-12 10HP | CDLF 12-12 10HP |
| EDJ500/12-120-150-10                                                                | 500 | 12    | 175     | XBD13.0/40GJ 120HP                                                                  | XBC13.0/40GJ 150HP                                                                  | CDL 12-12 10HP | CDLF 12-12 10HP |
| EDJ500/14-120-150-15                                                                | 500 | 13-14 | 200     | XBD14.0/40GJ 120HP                                                                  | XBC14.0/40GJ 150HP                                                                  | CDL 12-14 15HP | CDLF 12-14 15HP |
| EDJ600/5-50-60-5.5                                                                  | 600 | 5     | 70      | XBD5.0/40GJ 50HP                                                                    | XBC5.0/40GJ 60HP                                                                    | CDL 16-4 5.5HP | CDLF 16-4 5.5HP |
| EDJ600/6-50-60-7.5                                                                  | 600 | 6     | 80      | XBD6.0/40GJ 50HP                                                                    | XBC6.0/40GJ 60HP                                                                    | CDL 16-5 7.5HP | CDLF 16-5 7.5HP |
| EDJ600/7-60-75-7.5                                                                  | 600 | 7     | 90-100  | XBD7.0/40GJ 60HP                                                                    | XBC7.0/40GJ 75HP                                                                    | CDL 16-6 7.5HP | CDLF 16-6 7.5HP |
| EDJ600/9-100-120-10                                                                 | 600 | 8-9   | 110-130 | XBD9.0/40GJ 100HP                                                                   | XBC9.0/40GJ 120HP                                                                   | CDL 16-8 10HP  | CDLF 16-8 10HP  |
| EDJ600/10-100-120-15                                                                | 600 | 10    | 140-150 | XBD11.0/40GJ 100HP                                                                  | XBC11.0/40GJ 120HP                                                                  | CDL 16-10 15HP | CDLF 16-10 15HP |

DJ EJ EEJ also available

Other model can provide on request



TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

|  | Q    | H     | H       | Electric                                                                          | Diesel                                                                            | Jockey            |                    |
|-----------------------------------------------------------------------------------|------|-------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|--------------------|
|                                                                                   | GPM  | Bar   | PSI     |  |  | Option 1          | Option 2           |
| EDJ600/11-120-150-15                                                              | 600  | 11    | 160     | XBD12.0/40GJ 120HP                                                                | XBC12.0/40GJ 150HP                                                                | CDL 16-10 15HP    | CDLF 16-10 15HP    |
| EDJ600/12-120-150-15                                                              | 600  | 12    | 175     | XBD13.0/40GJ 120HP                                                                | XBC13.0/40GJ 150HP                                                                | CDL 16-10 15HP    | CDLF 16-10 15HP    |
| EDJ600/14-120-150-15                                                              | 600  | 13-14 | 200     | XBD13.5/40GJ 120HP                                                                | XBC13.5/40GJ 150HP                                                                | CDL 16-12 15HP    | CDLF 16-12 15HP    |
| EDJ750/5-50-60-7.5                                                                | 750  | 5     | 70      | XBD5.0/45GJ 50HP                                                                  | XBC5.0/45GJ 60HP                                                                  | CDL 16-5 7.5HP    | CDLF 16-5 7.5HP    |
| EDJ750/6-60-75-7.5                                                                | 750  | 6     | 80      | XBD6.0/45GJ 60HP                                                                  | XBC6.0/45GJ 75HP                                                                  | CDL 16-6 7.5HP    | CDLF 16-6 7.5HP    |
| EDJ750/7-75-90-10                                                                 | 750  | 7     | 90-100  | XBD7.0/45GJ 75HP                                                                  | XBC7.0/45GJ 90HP                                                                  | CDL 16-7 10HP     | CDLF 16-7 10HP     |
| EDJ750/9-100-120-15                                                               | 750  | 8-9   | 110-130 | XBD9.0/45GJ 100HP                                                                 | XBC9.0/45GJ 120HP                                                                 | CDL 16-10 15HP    | CDLF 16-10 15HP    |
| EDJ750/11-120-150-15                                                              | 750  | 10-11 | 140-160 | XBD12.0/45GJ 120HP                                                                | XBC12.0/45GJ 150HP                                                                | CDL 16-10 15HP    | CDLF 16-10 15HP    |
| EDJ750/12-150-180-15                                                              | 750  | 12    | 175     | XBD14.0/45GJ 150HP                                                                | XBC14.0/45GJ 180HP                                                                | CDL 16-12 15HP    | CDLF 16-12 15HP    |
| EDJ750/14-150-180-20                                                              | 750  | 13-14 | 200     | XBD14.0/45GJ 150HP                                                                | XBC14.0/45GJ 180HP                                                                | CDL 16-14 20HP    | CDLF 16-14 20HP    |
| EDJ1000/5-75-90-7.5                                                               | 1000 | 5     | 70      | XBD5.0/70GJ 75HP                                                                  | XBC5.0/70GJ 90HP                                                                  | CDL 20-5 7.5HP    | CDLF 20-5 7.5HP    |
| EDJ1000/6-75-90-10                                                                | 1000 | 6     | 80      | XBD6.0/70GJ 75HP                                                                  | XBC6.0/70GJ 90HP                                                                  | CDL 20-7 10HP     | CDLF 20-7 10HP     |
| EDJ1000/7-100-120-10                                                              | 1000 | 7     | 90-100  | XBD7.0/70GJ 100HP                                                                 | XBC7.0/70GJ 120HP                                                                 | CDL 20-7 10HP     | CDLF 20-7 10HP     |
| EDJ1000/9-150-180-15                                                              | 1000 | 8-9   | 110-130 | XBD9.0/70GJ 150HP                                                                 | XBC9.0/70GJ 180HP                                                                 | CDL 20-10 15HP    | CDLF 20-10 15HP    |
| EDJ1000/10-180-220-15                                                             | 1000 | 10    | 140-150 | XBD11.0/70GJ 180HP                                                                | XBC11.0/70GJ 220HP                                                                | CDL 20-10 15HP    | CDLF 20-10 15HP    |
| EDJ1000/11-180-220-20                                                             | 1000 | 11    | 160     | XBD12.0/70GJ 180HP                                                                | XBC12.0/70GJ 220HP                                                                | CDL 20-12 20HP    | CDLF 20-12 20HP    |
| EDJ1000/12-200-312-20                                                             | 1000 | 12    | 175     | XBD13.0/70GJ 220HP                                                                | XBC13.0/70GJ 312HP                                                                | CDL 20-12 20HP    | CDLF 20-12 20HP    |
| EDJ1000/14-200-312-20                                                             | 1000 | 13-14 | 200     | XBD14.0/70GJ 220HP                                                                | XBC14.0/70GJ 312HP                                                                | CDL 20-14 20HP    | CDLF 20-14 20HP    |
| EDJ1250/5-100-120-10                                                              | 1250 | 5     | 70      | XBD5.0/80GJ 100HP                                                                 | XBC5.0/80GJ 120HP                                                                 | CDL 32-40 10HP    | CDLF 32-40 10HP    |
| EDJ1250/6-120-150-15                                                              | 1250 | 6     | 80      | XBD6.0/80GJ 120HP                                                                 | XBC6.0/80GJ 150HP                                                                 | CDL 32-50 15HP    | CDLF 32-50 15HP    |
| EDJ1250/7-120-150-15                                                              | 1250 | 7     | 90-100  | XBD7.0/80GJ 120HP                                                                 | XBC7.0/80GJ 150HP                                                                 | CDL 32-50 15HP    | CDLF 32-50 15HP    |
| EDJ1250/9-150-180-20                                                              | 1250 | 8-9   | 110-130 | XBD9.0/80GJ 150HP                                                                 | XBC9.0/80GJ 180HP                                                                 | CDL 32-70-2 20HP  | CDLF 32-70-2 20HP  |
| EDJ1250/10-180-220-20                                                             | 1250 | 10    | 140-150 | XBD11.0/80GJ 180HP                                                                | XBC11.0/80GJ 220HP                                                                | CDL 32-70 20HP    | CDLF 32-70 20HP    |
| EDJ1250/11-180-220-20                                                             | 1250 | 11    | 160     | XBD12.0/80GJ 180HP                                                                | XBC12.0/80GJ 220HP                                                                | CDL 32-80-2 20HP  | CDLF 32-80-2 20HP  |
| EDJ1250/12-220-312-25                                                             | 1250 | 12    | 175     | XBD13.0/80GJ 220HP                                                                | XBC13.0/80GJ 312HP                                                                | CDL 32-90-2 25HP  | CDLF 32-90-2 25HP  |
| EDJ1250/14-272-380-25                                                             | 1250 | 13-14 | 200     | XBD14.0/80GJ 272HP                                                                | XBC14.0/80GJ 380HP                                                                | CDL 32-100-2 25HP | CDLF 32-100-2 25HP |
| EDJ1500/5-150-180-15                                                              | 1500 | 5     | 70      | XBD5.0/100GJ 150HP                                                                | XBC5.0/100GJ 180HP                                                                | CDL 45-30-2 15HP  | CDLF 45-30-2 15HP  |
| EDJ1500/6-150-180-15                                                              | 1500 | 6     | 80      | XBD6.0/100GJ 150HP                                                                | XBC6.0/100GJ 180HP                                                                | CDL 45-30 15HP    | CDLF 45-30 15HP    |
| EDJ1500/7-180-220-20                                                              | 1500 | 7     | 90-100  | XBD7.0/100GJ 180HP                                                                | XBC7.0/100GJ 220HP                                                                | CDL 45-40-2 20HP  | CDLF 45-40-2 20HP  |
| EDJ1500/8-220-312-20                                                              | 1500 | 8     | 120     | XBD9.0/100GJ 220HP                                                                | XBC9.0/100GJ 312HP                                                                | CDL 45-40-2 20HP  | CDLF 45-40-2 20HP  |
| EDJ1500/9.5-220-312-25                                                            | 1500 | 9-9.5 | 130-140 | XBD10.0/100GJ 220HP                                                               | XBC10.0/100GJ 312HP                                                               | CDL 45-50-2 25HP  | CDLF 45-50-2 25HP  |
| DJ EJ EEJ also available                                                          |      |       |         | Other model can provide on request                                                |                                                                                   |                   |                    |

TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

| Model                                                                               | Q    | H   | H   | Electric                                                                            | Diesel                                                                              | Jockey                                                                              |
|-------------------------------------------------------------------------------------|------|-----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | GPM  | Bar | PSI |  |  |  |
| EDJ50/7-10-11-3                                                                     | 50   | 7   | 101 | SDM12-25*3 10HP                                                                     | SDD12-25*3 11HP                                                                     | CDL4-10 3HP                                                                         |
| EDJ50/10-15-19-4                                                                    | 50   | 10  | 145 | SDM12-25*4 15HP                                                                     | SDD12-25*4 19HP                                                                     | CDL4-16 4HP                                                                         |
| EDJ50/12-15-19-5.5                                                                  | 50   | 12  | 174 | SDM12-25*5 15HP                                                                     | SDD12-25*5 19HP                                                                     | CDL4-19 5.5HP                                                                       |
| EDJ50/15-20-27-5.5                                                                  | 50   | 15  | 217 | SDM12-25*6 20HP                                                                     | SDD12-25*6 27HP                                                                     | CDL4-22 5.5HP                                                                       |
| EDJ100/6-15-19-3                                                                    | 100  | 6   | 87  | SDM25-30*2 15HP                                                                     | SDD25-30*2 19HP                                                                     | CDL4-10 3HP                                                                         |
| EDJ100/9-20-27-4                                                                    | 100  | 9   | 130 | SDM25-30*3 20HP                                                                     | SDD25-30*3 27HP                                                                     | CDL4-14 4HP                                                                         |
| EDJ100/12-20-27-5.5                                                                 | 100  | 12  | 174 | SDM25-30*4 20HP                                                                     | SDD25-30*4 27HP                                                                     | CDL4-19 5.5HP                                                                       |
| EDJ100/15-30-38-5.5                                                                 | 100  | 15  | 217 | SDM25-30*5 30HP                                                                     | SDD25-30*5 38HP                                                                     | CDL4-22 5.5HP                                                                       |
| EDJ200/6-20-27-3                                                                    | 200  | 6   | 87  | SDM46-30*2 20HP                                                                     | SDD46-30*2 27HP                                                                     | CDL4-10 3HP                                                                         |
| EDJ200/9-30-38-4                                                                    | 200  | 9   | 130 | SDM46-30*3 30HP                                                                     | SDD46-30*3 38HP                                                                     | CDL4-14 4HP                                                                         |
| EDJ200/12-40-49-5.5                                                                 | 200  | 12  | 174 | SDM46-30*4 40HP                                                                     | SDD46-30*4 49HP                                                                     | CDL4-19 5.5HP                                                                       |
| EDJ200/15-50-58-5.5                                                                 | 200  | 15  | 217 | SDM46-30*5 50HP                                                                     | SDD46-30*5 58HP                                                                     | CDL4-22 5.5HP                                                                       |
| EDJ200/18-50-60-7.5                                                                 | 200  | 18  | 261 | SDM46-30*6 50HP                                                                     | SDD46-30*6 60HP                                                                     | CDM5-33 7.5HP                                                                       |
| EDJ350/9-50-58-4                                                                    | 350  | 9   | 130 | SDM85-45*2 50HP                                                                     | SDD85-45*2 58HP                                                                     | CDL4-14 4HP                                                                         |
| EDJ350/13-75-75-5.5                                                                 | 350  | 13  | 174 | SDM85-45*3 75HP                                                                     | SDD85-45*3 75HP                                                                     | CDL4-19 5.5HP                                                                       |
| EDJ350/18-100-100-5.5                                                               | 350  | 18  | 217 | SDM85-45*4 100HP                                                                    | SDD85-45*4 100HP                                                                    | CDL4-22 5.5HP                                                                       |
| EDJ350/22-122-122-7.5                                                               | 350  | 22  | 261 | SDM85-45*5 122HP                                                                    | SDD85-45*5 122HP                                                                    | CDM5-33 7.5HP                                                                       |
| EDJ500/10-75-100-4                                                                  | 500  | 10  | 145 | SDM120-50*2 75HP                                                                    | SDD120-50*2 100HP                                                                   | CDL4-16 4HP                                                                         |
| EDJ500/15-122-122-5.5                                                               | 500  | 15  | 217 | SDM120-50*3 122HP                                                                   | SDD120-50*3 122HP                                                                   | CDL4-22 5.5HP                                                                       |
| EDJ500/20-150-180-7.5                                                               | 500  | 20  | 290 | SDM120-50*4 150HP                                                                   | SDD120-50*4 180HP                                                                   | CDM5-33 7.5HP                                                                       |
| EDJ750/12-122-150-5.5                                                               | 750  | 12  | 174 | SDM155-67*2 122HP                                                                   | SDD155-67*2 150HP                                                                   | CDL4-19 5.5HP                                                                       |
| EDJ1250/8-150-180-5.5                                                               | 1250 | 8   | 116 | SDM280-43*2 150HP                                                                   | SDD280-43*2 180HP                                                                   | CDL8-10 5.5HP                                                                       |
| EDJ1250/13-218-314-7.5                                                              | 1250 | 13  | 188 | SDM280-43*3 218HP                                                                   | SDD280-43*3 314HP                                                                   | CDL8-16 7.5HP                                                                       |
| EDJ1250/17-272-374-10                                                               | 1250 | 17  | 246 | SDM280-43*4 272HP                                                                   | SDD280-43*4 374HP                                                                   | CDM10-20 10HP                                                                       |
| EDJ1500/8-180-180-5.5                                                               | 1500 | 8   | 116 | SDM360-40*2 180HP                                                                   | SDD360-40*2 180HP                                                                   | CDL8-12 5.5HP                                                                       |
| EDJ1500/12-252-314-10                                                               | 1500 | 12  | 174 | SDM360-40*3 252HP                                                                   | SDD360-40*3 314HP                                                                   | CDL8-18 10HP                                                                        |
| EDJ1500/16-340-419-15                                                               | 1500 | 16  | 232 | SDM360-40*4 340HP                                                                   | SDD360-40*4 419HP                                                                   | CDL12-18 15HP                                                                       |
| EDJ2000/12-340-374-15                                                               | 2000 | 12  | 174 | SDM450-60*2 340HP                                                                   | SDD450-60*2 374HP                                                                   | CDL12-16 15HP                                                                       |
| EDJ2000/18-483-600-20                                                               | 2000 | 18  | 261 | SDM450-60*3 483HP                                                                   | SDD450-60*3 600HP                                                                   | CDM15-17 20HP                                                                       |
| EDJ2500/10-340-374-15                                                               | 2500 | 10  | 145 | SDM550-50*2 340HP                                                                   | SDD550-50*2 374HP                                                                   | CDL16-10 15HP                                                                       |
| EDJ2500/15-483-600-20                                                               | 2500 | 15  | 217 | SDM550-50*3 483HP                                                                   | SDD550-50*3 600HP                                                                   | CDL16-16 20HP                                                                       |
| DJ EJ EEJ also available                                                            |      |     |     | Other model can provide on request                                                  |                                                                                     |                                                                                     |



## OTS DOUBLE SUCTION SPLIT CASE PUMPS

### PUMP RANGE

| Flow          | Head       | DN          | Power        | Hz    | Speed        |
|---------------|------------|-------------|--------------|-------|--------------|
| 75 - 86000GPM | 10 - 220 m | 80 - 1200mm | 22 - 2500 kw | 50/60 | 590-3500 rpm |



### DESCRIPTION

- ◆ Volute casing pump
- ◆ Horizontal installation / vertical installation
- ◆ Single-stage / Multistage
- ◆ Mechanical seal and gland packing seal both available
- ◆ More options for material: Cast Iron, SS304, SS316, SS2205, Brass, Bronze
- ◆ The pump casing is mid-open design, easy to disassemble, easy to inspect, and when parts need to be replaced, it will not affect the alignment centre of the pump body and inlet/outlet piping.
- ◆ The double suction design has excellent suction performance and ensures high suction lift even in high flow operation.
- ◆ Low noise and good stable operation.
- ◆ The Various combinations of materials are available to meet a wide range of operating conditions.
- ◆ The drive shaft end can be on the left or right side of the pump.

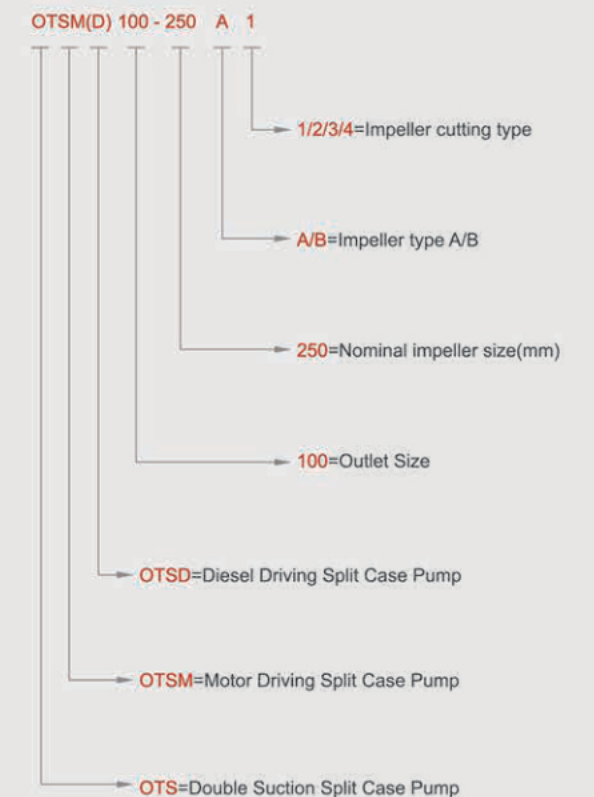
### APPLICATIONS

- ◆ Fire-fighting systems
- ◆ Power generation / stations
- ◆ Oil and Gas
- ◆ Mining
- ◆ Waterworks
- ◆ Desalination plants
- ◆ Pressure boosting
- ◆ Water transport
- ◆ Irrigation
- ◆ Drainage pumping stations
- ◆ Shipbuilding
- ◆ District heating systems and cooling systems

### SPECIFICATIONS

- ◆ Liquid temperature: 104°C max.
- ◆ Shaft seal: Gland packing / Mechanical seal
- ◆ Flange: GB / DIN / BS / ASME
- ◆ Operation pressure: 2.5Mpa max
- ◆ Liquid: fresh water, hot water, industrial water, river water, sea water, salty water, pulp water, hydrocarbons, etc.

### DEFINITION OF MODEL NO.





## MORE CHOICE WITH SHYNPO SPLIT CASE PUMPS

Raise your expectations with our improved double suction pumps

- ◆ With more models and more material options, Shynpo split case Pumps offer a broader hydraulic range, higher efficiency, and easier maintenance.
- ◆ It can easily handle medium and large capacity systems with higher head.
- ◆ Improved design and customized materials, as well as multiple seal options, take the Shynpo pumps beyond other pumps to increase operating efficiency, extend pump life and reduce lifecycle costs.
- ◆ More than 200 models make it easy to customize your split case pump to handle water and fluid management challenges for even the most demanding applications.

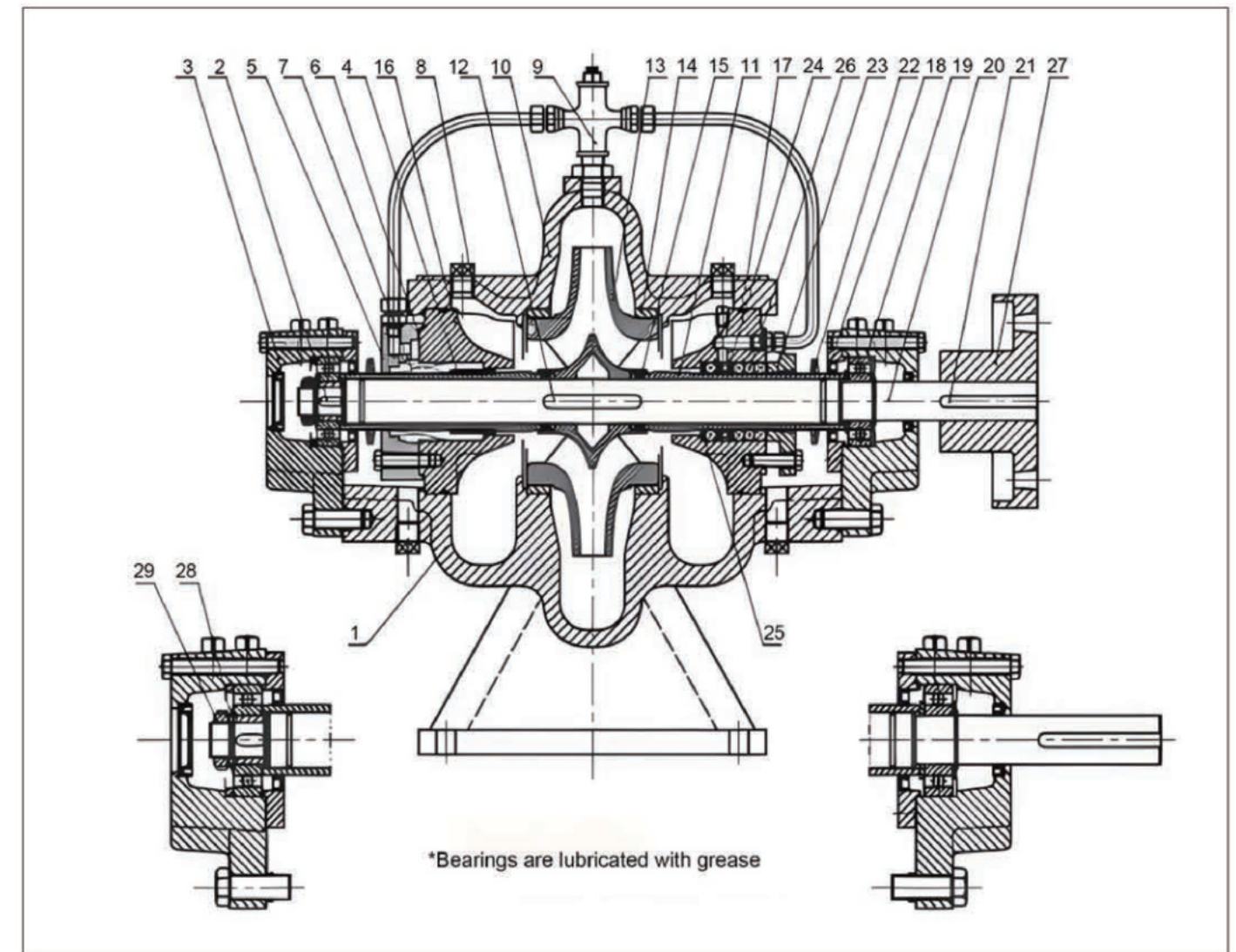
## MATERIAL OPTIONAL LIST OF OTS PUMPS

|                   | GB          | DIN         | ASTM                   | JIS          |
|-------------------|-------------|-------------|------------------------|--------------|
| Pump Casing       |             |             |                        |              |
| ★Grey cast iron   | HT250       | GG25        | A48-class35            | FC 250       |
| Ductile cast iron | QT400-18    | GGG40       | B584<br>Grade 60-40-18 | G5502 FCD40  |
| Cast steel        | ZG230-45    | GS-C25      | A256<br>Grade WCA      | G5151 SCPHI  |
| Impeller          |             |             |                        |              |
| ★Grey cast iron   | HT250       | GG25        | A48-class35            | FC 250       |
| Bronze            | ZCuSn 10Zn2 | G-CuSn 10Zn | 8584<br>CLASS C90500   | H5111 BC3    |
| Silicon brass     | ZCuZn16Si4  | G-CuZn15Si4 | C87500                 | H5112 S2BC2  |
| Stainless steel   | ZG1cr18Ni9  | 1. 4308     | A743 CR CF-8           | G5121 SCS13A |
| Shaft             |             |             |                        |              |
| ★Carbon steel     | 45          | C45N        | AISI 1045              | S45C         |
| Chrome steel      | 2Cr13       | 1.4021      | A276 TYPE 420          | SUS 420J2    |
| Wearing ring      |             |             |                        |              |
| ★Grey cast iron   | HT250       | GG25        | A48-class35            | FC 250       |
| Bronze            | ZCuSnPb5Zn5 | G-CuSn5ZnPb | B584<br>CLASS C90500   | H5111 BC3    |
| Silicon brass     | ZCuZn16Si4  | G-CuZn15Si4 | C85700                 | H5112 S2BC2  |

★ Indicates the standard configuration

## CONSTRUCTION DETAIL

CONSTRUCTION DETAIL(1)from 80-210 to 350-590、350-690、400-675、400-935A、500-1015、500-1035



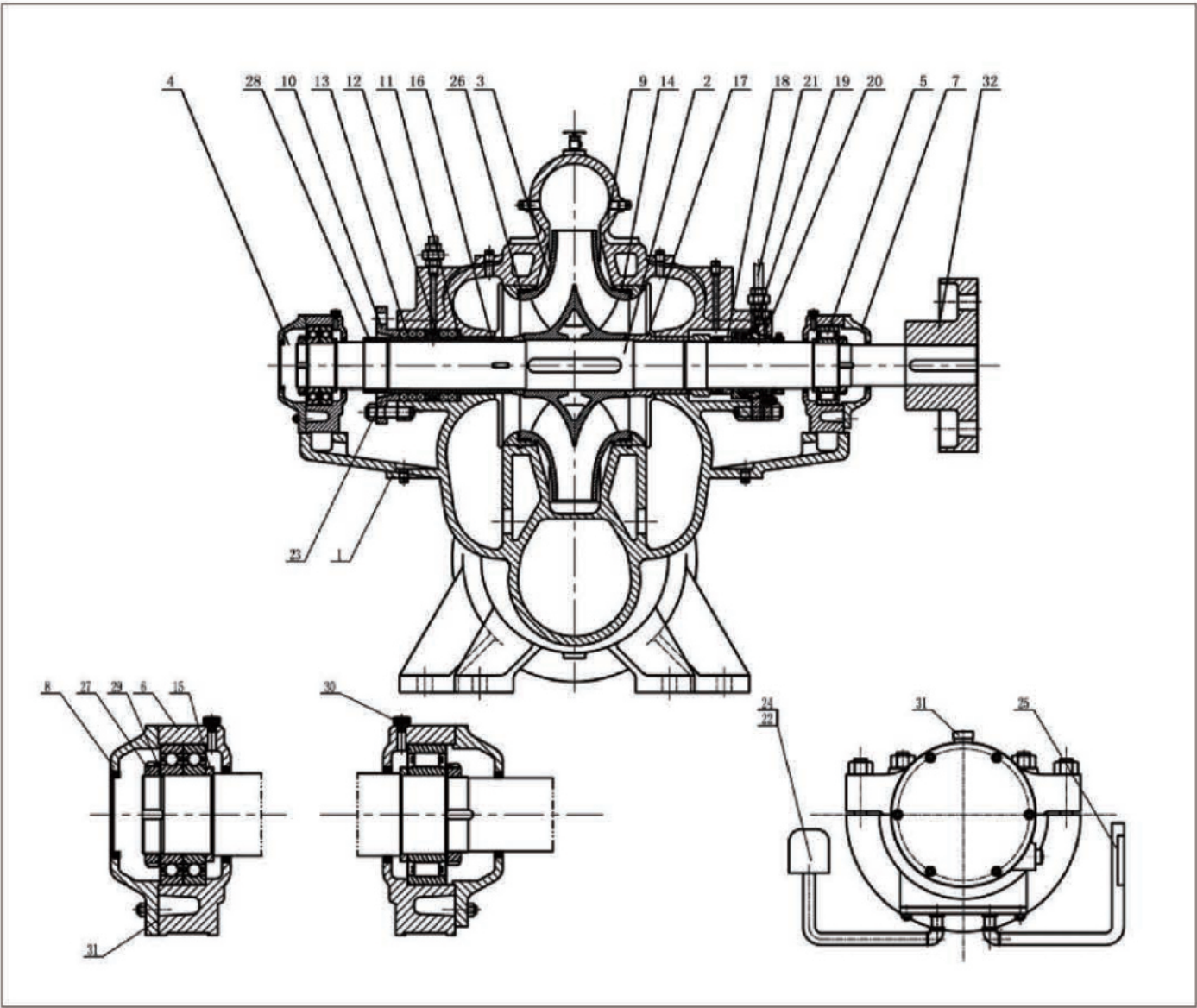
|    |                           |
|----|---------------------------|
| 1  | Pump Casing               |
| 2  | Key                       |
| 3  | Bearing assembly-Far side |
| 4  | Seal bush                 |
| 5  | Seal cover                |
| 6  | Gasket                    |
| 7  | Mechanical Seal           |
| 8  | Set Screw                 |
| 9  | Flushing pipe             |
| 10 | Pump cover                |

|    |                               |
|----|-------------------------------|
| 11 | Axle sleeve                   |
| 12 | Key                           |
| 13 | Impeller                      |
| 14 | Wearing ring                  |
| 15 | "o" ring                      |
| 16 | Shaft seal housing            |
| 17 | "o" ring                      |
| 18 | "o" ring                      |
| 19 | Bearing assembly-driving side |
| 20 | Shaft                         |

|    |               |
|----|---------------|
| 21 | Key           |
| 22 | Shaft slinger |
| 23 | Packing gland |
| 24 | Packing ring  |
| 25 | Packing lined |
| 26 | Packing       |
| 27 | Pump coupling |
| 28 | Check washer  |
| 29 | Round nut     |



CONSTRUCTION DETAIL(2)from 500-510 to 800-840、350-620、400-540、400-620

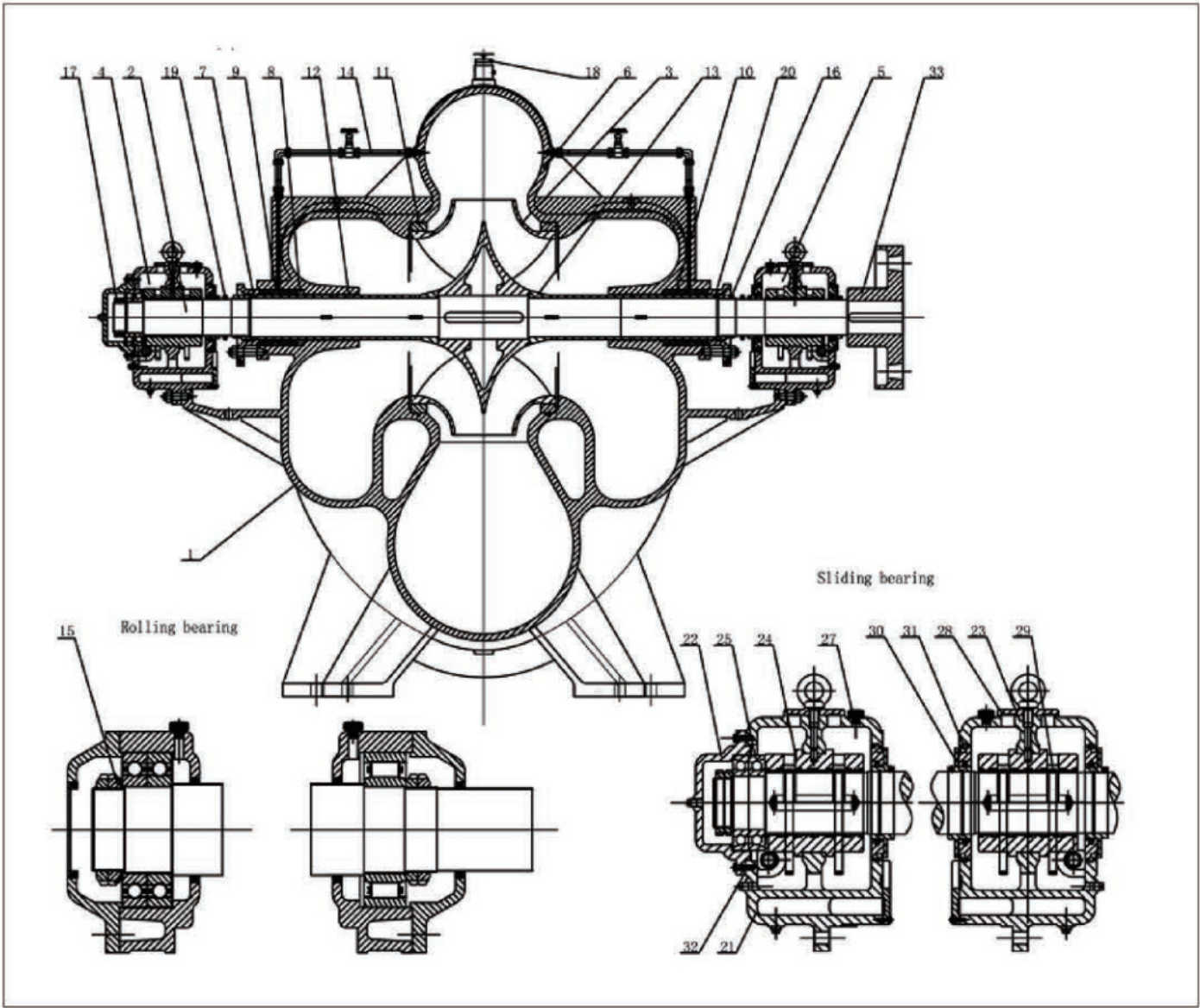


|    |                               |
|----|-------------------------------|
| 1  | Pump Casing                   |
| 2  | Shaft                         |
| 3  | Impeller                      |
| 4  | Bearing assembly-Far side     |
| 5  | Bearing assembly-driving side |
| 6  | Bearing housing               |
| 7  | Bearing cover                 |
| 8  | Bearing end cover             |
| 9  | Pump cover                    |
| 10 | Packing gland                 |
| 11 | Packing lined                 |

|    |                                |
|----|--------------------------------|
| 12 | Packing ring                   |
| 13 | Packing                        |
| 14 | Wearing ring                   |
| 15 | Block ring                     |
| 16 | Axle sleeve                    |
| 17 | Guide sleeve                   |
| 18 | Mechanical sealing axle sleeve |
| 19 | Mechanical Seal                |
| 20 | Mechanical seal cover          |
| 21 | Flushing pipe                  |
| 22 | Grease cup                     |

|    |                              |
|----|------------------------------|
| 23 | "o" ring                     |
| 24 | Exhaust device               |
| 25 | Temperature measuring device |
| 26 | Flat head screw              |
| 27 | Round nut                    |
| 28 | Shaft nut                    |
| 29 | Lock washer                  |
| 30 | Add oil cover                |
| 31 | Gasket                       |
| 32 | Pump coupling                |

CONSTRUCTION DETAIL(1)from 800-970 to 12000-1150



|    |                               |
|----|-------------------------------|
| 1  | Pump Casing                   |
| 2  | Shaft                         |
| 3  | Impeller                      |
| 4  | Bearing assembly-Far side     |
| 5  | Bearing assembly-driving side |
| 6  | Pump cover                    |
| 7  | Packing gland components      |
| 8  | Packing lined                 |
| 9  | Packing ring                  |
| 10 | Packing                       |
| 11 | Wearing ring                  |

|    |                   |
|----|-------------------|
| 12 | Axle sleeve       |
| 13 | Guide sleeve      |
| 14 | Flushing pipe     |
| 15 | Round nut         |
| 16 | Shaft nut         |
| 17 | Round nut         |
| 18 | Stop valve        |
| 19 | Shaft slinger     |
| 20 | "o" ring          |
| 21 | Bearing housing   |
| 22 | Bearing end cover |

|    |                    |
|----|--------------------|
| 23 | Bearing cover      |
| 24 | Axle bush          |
| 25 | Rolling bearing    |
| 26 | Bearing seal ring  |
| 27 | Safety plug        |
| 28 | Add oil cover      |
| 29 | Swinging oil ring  |
| 30 | Oil retaining ring |
| 31 | Bearing seal ring  |
| 32 | Gasket             |
| 33 | Pump coupling      |



SPECIFICATIONS FOR OTS PUMPS

| Model    | Speed | Capacity |       | Head | Efficiency | Shaft power | (NPSHr)A | DN      | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|----------|-------|----------|-------|------|------------|-------------|----------|---------|-------------------------|-------------|--------------------------|------------|
|          | r/min | m³/h     | l/s   | m    | %          | kw          | m        | mm      | mm                      | kg          | Excl.water               | Incl.water |
| 80-210A  | 2900  | 164      | 45.6  | 55   | 82.0       | 29.9        | 5.1      | 125*80  | 215                     | 185         | 0.023                    | 0.028      |
| 80-210B  | 2900  | 134      | 37.1  | 51.0 | 81.0       | 22.9        | 4.0      | 125*80  | 215                     | 185         | 0.023                    | 0.028      |
| 80-270A  | 2900  | 207      | 57.5  | 90.0 | 78.5       | 64.6        | 7.0      | 125*80  | 275                     | 195         | 0.037                    | 0.044      |
| 80-270B  | 2900  | 171      | 47.5  | 82.5 | 77         | 49.9        | 7.3      | 125*80  | 275                     | 195         | 0.037                    | 0.044      |
| 100-250A | 2900  | 288      | 80.0  | 75.0 | 83.0       | 70.9        | 9.0      | 150*100 | 254                     | 210         | 0.048                    | 0.058      |
| 100-250B | 2900  | 245      | 68.0  | 68.0 | 81.5       | 55.6        | 8.6      | 150*100 | 254                     | 210         | 0.048                    | 0.058      |
| 100-310A | 2900  | 367      | 102   | 123  | 80.0       | 153.8       | 13.7     | 150*100 | 325                     | 225         | 0.092                    | 0.11       |
| 100-310B | 2900  | 283      | 78.5  | 119  | 78.0       | 117.4       | 10.2     | 150*100 | 325                     | 225         | 0.092                    | 0.11       |
| 125-230A | 2900  | 541      | 150.3 | 80   | 85.5       | 101.8       | 9.9      | 200*125 | 245                     | 250         | 0.161                    | 0.193      |
| 125-230B | 2900  | 472      | 131   | 60.5 | 84.5       | 92          | 12.1     | 200*125 | 245                     | 250         | 0.161                    | 0.193      |
| 125-290A | 2900  | 535      | 148.5 | 108  | 84         | 187         | 10.9     | 200*125 | 301                     | 275         | 0.125                    | 0.15       |
| 125-290B | 2900  | 480      | 133.3 | 100  | 83         | 157         | 10.9     | 200*125 | 301                     | 275         | 0.125                    | 0.15       |
| 80-210A  | 1450  | 83       | 23.1  | 13.8 | 82         | 3.8         | 2.1      | 125*80  | 215                     | 185         | 0.023                    | 0.028      |
| 80-210B  | 1450  | 65       | 18.1  | 12.8 | 81         | 2.8         | 2.2      | 125*80  | 215                     | 185         | 0.023                    | 0.028      |
| 80-270A  | 1450  | 104      | 28.9  | 22.5 | 78.5       | 8.1         | 2.8      | 125*80  | 275                     | 195         | 0.037                    | 0.044      |
| 80-270B  | 1450  | 85       | 23.6  | 20.7 | 77         | 6.2         | 2.4      | 125*80  | 275                     | 195         | 0.037                    | 0.044      |
| 80-370A  | 1450  | 113      | 31.4  | 38.8 | 75         | 16.2        | 2.8      | 125*80  | 345                     | 205         | 0.027                    | 0.032      |
| 80-370B  | 1450  | 99       | 27.5  | 35.5 | 73         | 13.1        | 3.0      | 125*80  | 345                     | 205         | 0.027                    | 0.032      |
| 100-250A | 1450  | 144      | 40    | 18.8 | 83         | 8.9         | 2.9      | 150*100 | 254                     | 210         | 0.048                    | 0.058      |
| 100-250B | 1450  | 122      | 33.9  | 17   | 81.5       | 7.0         | 2.4      | 150*100 | 254                     | 210         | 0.048                    | 0.058      |
| 100-310A | 1450  | 185      | 51.3  | 31   | 80         | 19.6        | 3.1      | 150*100 | 325                     | 225         | 0.092                    | 0.11       |
| 100-310B | 1450  | 140      | 38.9  | 29.5 | 78         | 14.1        | 2.7      | 150*100 | 325                     | 225         | 0.092                    | 0.11       |
| 100-375A | 1450  | 185      | 51.4  | 51   | 76.5       | 33.5        | 3.0      | 150*100 | 408                     | 245         | 0.229                    | 0.275      |

| Model    | Speed | Capacity |       | Head | Efficiency | Shaft power | (NPSHr)A | DN      | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|----------|-------|----------|-------|------|------------|-------------|----------|---------|-------------------------|-------------|--------------------------|------------|
|          | r/min | m³/h     | l/s   | m    | %          | kw          | m        | mm      | mm                      | kg          | Excl.water               | Incl.water |
| 100-375B | 1450  | 162      | 45    | 52   | 72         | 31.4        | 3.6      | 150*100 | 408                     | 245         | 0.229                    | 0.275      |
| 125-230A | 1450  | 274      | 76.1  | 14.8 | 85.5       | 12.9        | 2.3      | 200*125 | 245                     | 250         | 0.161                    | 0.193      |
| 125-230B | 1450  | 238      | 66.1  | 15.1 | 84.5       | 11.6        | 2.7      | 200*125 | 245                     | 250         | 0.161                    | 0.193      |
| 125-290A | 1450  | 269      | 74.7  | 27   | 84         | 23.6        | 2.4      | 200*125 | 301                     | 275         | 0.125                    | 0.15       |
| 125-290B | 1450  | 241      | 66.9  | 25   | 83         | 19.8        | 2.4      | 200*125 | 301                     | 275         | 0.125                    | 0.15       |
| 125-365A | 1450  | 310      | 86    | 47   | 84         | 47.2        | 2.6      | 200*125 | 385                     | 300         | 0.261                    | 0.313      |
| 125-365B | 1450  | 277      | 77    | 43   | 81         | 40.1        | 2.9      | 200*125 | 385                     | 300         | 0.261                    | 0.313      |
| 125-500A | 1450  | 328      | 91    | 76   | 82         | 82.7        | 2.8      | 200*125 | 475                     | 335         | 0.688                    | 0.825      |
| 125-500B | 1450  | 293      | 81.5  | 69.5 | 79         | 70.3        | 3.2      | 200*125 | 475                     | 335         | 0.688                    | 0.825      |
| 150-290A | 1450  | 443      | 123   | 21   | 87         | 29.1        | 2.9      | 200*150 | 289                     | 350         | 0.169                    | 0.288      |
| 150-290B | 1450  | 396      | 110   | 20.4 | 86         | 25.6        | 3.0      | 200*150 | 289                     | 350         | 0.169                    | 0.288      |
| 150-360A | 145   | 446      | 124   | 38   | 85         | 54.3        | 3.0      | 200*150 | 355                     | 360         | 0.199                    | 0.388      |
| 150-360B | 1450  | 407      | 113   | 35   | 84         | 46.2        | 3.0      | 200*150 | 355                     | 360         | 0.199                    | 0.388      |
| 150-460A | 1450  | 515      | 143.1 | 66   | 82         | 112.8       | 3.5      | 200*150 | 454                     | 440         | 0.456                    | 0.775      |
| 150-460B | 1450  | 440      | 122.2 | 60   | 81         | 88.6        | 3.9      | 200*150 | 454                     | 440         | 0.456                    | 0.775      |
| 150-605A | 1450  | 583      | 161.9 | 105  | 81         | 206         | 4.2      | 200*150 | 560                     | 650         | 1.074                    | 1.825      |
| 150-605B | 1450  | 536      | 148.9 | 90   | 79         | 166.4       | 4.7      | 200*150 | 560                     | 650         | 1.074                    | 1.825      |
| 200-320A | 1450  | 695      | 193   | 30   | 87.5       | 64.9        | 3.8      | 250*200 | 338                     | 450         | 0.442                    | 0.575      |
| 200-320B | 1450  | 637      | 176.9 | 28   | 86.5       | 56.2        | 3.0      | 250*200 | 338                     | 450         | 0.442                    | 0.575      |
| 200-420A | 1450  | 709      | 197   | 52   | 86.5       | 116         | 3.9      | 250*200 | 415                     | 520         | 0.588                    | 0.725      |
| 200-420B | 1450  | 648      | 180   | 48.5 | 85.5       | 99.1        | 3.5      | 250*200 | 415                     | 520         | 0.588                    | 0.725      |
| 200-520A | 1450  | 817      | 227   | 91   | 84         | 241         | 4.0      | 250*200 | 530                     | 840         | 1.288                    | 1.675      |
| 200-520B | 1450  | 734      | 204   | 81.7 | 83         | 197         | 3.5      | 250*200 | 530                     | 840         | 1.288                    | 1.675      |

| Model    | Speed | Capacity |     | Head  | Efficiency | Shaft power | (NPSHr)A | DN      | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|----------|-------|----------|-----|-------|------------|-------------|----------|---------|-------------------------|-------------|--------------------------|------------|
|          | r/min | m³/h     | l/s | m     | %          | kw          | m        | mm      | mm                      | kg          | Excl.water               | Incl.water |
| 200-670A | 1450  | 792      | 220 | 150   | 80         | 404         | 3.6      | 250*200 | 655                     | 990         | 3.654                    | 4.750      |
| 200-670B | 1450  | 720      | 200 | 132.5 | 79         | 329         | 3.4      | 250*200 | 655                     | 990         | 3.654                    | 4.750      |
| 250-370A | 1450  | 1051     | 292 | 39    | 88         | 127         | 4.7      | 300*250 | 389                     | 665         | 0.721                    | 1.225      |
| 250-370B | 1450  | 1029     | 286 | 37    | 87         | 119         | 4.7      | 300*250 | 389                     | 665         | 0.721                    | 1.225      |
| 250-480A | 1450  | 1173     | 326 | 66    | 88         | 239         | 4.05     | 300*250 | 478                     | 830         | 0.956                    | 1.625      |
| 250-480B | 1450  | 1044     | 290 | 55.5  | 84         | 191         | 4.1      | 300*250 | 478                     | 830         | 0.956                    | 1.625      |
| 250-600A | 1450  | 1242     | 345 | 116   | 84         | 467         | 4.6      | 300*250 | 610                     | 1215        | 2.206                    | 3.750      |
| 250-600B | 1450  | 1044     | 290 | 104   | 83         | 356         | 3.7      | 300*250 | 610                     | 1215        | 2.206                    | 3.750      |
| 250-800A | 1485  | 1296     | 360 | 216   | 83         | 919         | 4.5      | 300*250 | 764                     | 1500        | 16                       | 21         |
| 300-300A | 1450  | 1098     | 305 | 24.5  | 86.5       | 85.2        | 5.3      | 350*300 | 330                     | 630         | 0.571                    | 0.8        |
| 300-300B | 1450  | 936      | 260 | 23    | 85         | 69          | 4.1      | 350*300 | 330                     | 630         | 0.571                    | 0.8        |
| 300-435A | 1450  | 1677     | 466 | 53    | 89         | 275         | 7.1      | 400*300 | 450                     | 905         | 1.785                    | 2.5        |
| 300-435B | 1450  | 1620     | 450 | 51.5  | 88         | 260         | 6.9      | 400*300 | 450                     | 905         | 1.785                    | 2.5        |
| 300-560A | 1450  | 1746     | 485 | 94    | 87         | 520         | 5.7      | 400*300 | 553                     | 1425        | 2.411                    | 3.375      |
| 300-560B | 1450  | 1548     | 430 | 80    | 85         | 399         | 5.15     | 400*300 | 553                     | 1425        | 2.411                    | 3.375      |
| 300-700A | 1450  | 1836     | 510 | 160   | 86         | 941         | 4.95     | 400*300 | 705                     | 1690        | 6.346                    | 8.25       |
| 300-700B | 1450  | 1688     | 469 | 139   | 83.5       | 765         | 5.15     | 400*300 | 705                     | 1690        | 6.346                    | 8.25       |
| 350-360A | 1450  | 1731     | 481 | 32    | 86.5       | 175         | 8.05     | 400*350 | 382                     | 865         | 1.116                    | 1.563      |
| 350-360B | 1450  | 1422     | 395 | 31    | 85.5       | 140         | 6.2      | 400*350 | 382                     | 865         | 1.116                    | 1.563      |
| 350-430A | 1450  | 2743     | 762 | 43.5  | 87.5       | 371         | 12.2     | 450*350 | 440                     | 1285        | 2.232                    | 3.125      |
| 350-430B | 1450  | 2232     | 620 | 42.5  | 86.5       | 299         | 9.0      | 450*350 | 440                     | 1285        | 2.232                    | 3.125      |
| 350-510A | 1450  | 2610     | 725 | 70    | 88.5       | 562         | 10.0     | 400*350 | 518                     | 1395        | 3.393                    | 4.75       |
| 350-510B | 1450  | 2448     | 680 | 67    | 88         | 508         | 9.9      | 400*350 | 518                     | 1395        | 3.393                    | 4.75       |



| Model     | Speed | Capacity |      | Head | Efficiency | Shaft power | (NPSHr)A | DN      | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|-----------|-------|----------|------|------|------------|-------------|----------|---------|-------------------------|-------------|--------------------------|------------|
|           | r/min | m³/h     | l/s  | m    | %          | kw          | m        | mm      | mm                      | kg          | Excl.water               | Incl.water |
| 350-575A  | 1480  | 2520     | 700  | 103  | 90         | 785.4       | 7.2      | 400*350 | 575                     | 2600        | 4.1                      | 5.3        |
| 350-575B  | 1480  | 2160     | 600  | 95   | 89.5       | 624.4       | 6.1      | 400*350 | 575                     | 2600        | 4.1                      | 5.3        |
| 350-590A  | 1450  | 3795     | 1054 | 90   | 89         | 1046        | 9.9      | 500*350 | 590                     | 2800        | 4.3                      | 6          |
| 350-620A  | 1450  | 2196     | 610  | 125  | 85         | 879         | 7        | 400*350 | 640                     | 2120        | 4.33                     | 6          |
| 350-690A  | 1480  | 2520     | 700  | 155  | 89         | 1195.1      | 7.2      | 400*350 | 690                     | 2750        | 6.74                     | 86         |
| 350-690B  | 1480  | 2070     | 575  | 155  | 88.5       | 987.3       | 5        | 400*350 | 690                     | 2750        | 6.74                     | 8.6        |
| 400-540A  | 1450  | 2628     | 730  | 86   | 85         | 724         | 7        | 500*400 | 540                     | 2380        | 3.78                     | 4.48       |
| 400-540B  | 1450  | 2196     | 610  | 63.5 | 86         | 441         | 5.6      | 500*400 | 495                     | 2380        | 3.78                     | 4.48       |
| 400-620A  | 1450  | 3150     | 875  | 113  | 86         | 1127        | 7.5      | 500*400 | 620                     | 2760        | 5.44                     | 6.98       |
| 400620B   | 1450  | 2484     | 690  | 90   | 86         | 708         | 6.8      | 500*400 | 555                     | 2760        | 5.44                     | 6.98       |
| 400-675A  | 985   | 2232     | 620  | 69.2 | 88         | 478         | 3.7      | 500*400 | 705                     | 2800        | 8.7                      | 12         |
| 400-935A  | 985   | 2880     | 800  | 135  | 88         | 1204        | 6.5      | 500*400 | 935                     | 3500        | 21                       | 28         |
| 500-510A  | 985   | 3200     | 889  | 27   | 88         | 268         | 4.5      | 600*500 | 550/530                 | 1528        | 3.45                     | 4.88       |
| 500-510B  | 985   | 2992     | 831  | 25.3 | 89         | 232         | 5        | 600*500 | 525/515                 | 1528        | 3.45                     | 4.88       |
| 500-640A  | 990   | 3600     | 1000 | 47   | 88.5       | 521         | 5.8      | 600*500 | 640                     | 2301        | 7.5                      | 10.35      |
| 500-640A1 | 990   | 3254     | 904  | 38.5 | 90.5       | 377         | 4.9      | 600*500 | 670                     | 2301        | 7.5                      | 10.35      |
| 500-640B  | 990   | 2880     | 800  | 37   | 86         | 338         | 4.4      | 600*500 | 580                     | 2301        | 7.5                      | 10.35      |
| 500-700A  | 994   | 3752     | 1042 | 63.9 | 90         | 726         | 4.32     | 600*500 | 708                     | 2967        | 10.08                    | 13.95      |
| 500-700A2 | 994   | 3899     | 1083 | 72.5 | 91         | 846         | 4.7      | 600*500 | 750                     | 2967        | 10.08                    | 13.95      |
| 500-700B1 | 994   | 2963     | 823  | 55.9 | 87.8       | 514         | 4.2      | 600*500 | 672                     | 2967        | 10.08                    | 13.95      |
| 500-790A  | 994   | 4435     | 1232 | 83.3 | 90.1       | 1119        | 6.5      | 600*500 | 790                     | 3483        | 13.38                    | 20.83      |
| 500-790A1 | 990   | 3344     | 929  | 70.7 | 90.2       | 714         | 4.9      | 600*500 | 790                     | 3483        | 13.38                    | 20.83      |

| Model     | Speed | Capacity |        | Head  | Efficiency | Shaft power | (NPSHr)A | DN      | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|-----------|-------|----------|--------|-------|------------|-------------|----------|---------|-------------------------|-------------|--------------------------|------------|
|           | r/min | m³/h     | l/s    | m     | %          | kw          | m        | mm      | mm                      | kg          | Excl.water               | Incl.water |
| 500-790B  | 994   | 3710     | 1030   | 66.2  | 88         | 760         | 5.1      | 600*500 | 710                     | 3483        | 13.38                    | 20.83      |
| 500-890A  | 994   | 4560     | 1267   | 100   | 90         | 1381        | 6.43     | 600*500 | 920                     | 4659        | 23.15                    | 30.25      |
| 500-890A1 | 994   | 5069     | 1408   | 116.3 | 90         | 1783        | 6.1      | 600*500 | 930                     | 4659        | 23.15                    | 30.25      |
| 500-890A2 | 994   | 3665     | 1018   | 96    | 88.6       | 1081        | 4.7      | 600*500 | 880                     | 4659        | 23.15                    | 30.25      |
| 500-890B  | 994   | 3800     | 1056   | 89.9  | 89.5       | 1040        | 4.04     | 600*500 | 840                     | 4659        | 23.15                    | 30.25      |
| 500-1015A | 985   | 3744     | 1040   | 160   | 87.5       | 1864        | 5.1      | 600*500 | 1015                    | 5500        | 30.8                     | 40.24      |
| 500-1015B | 985   | 3240     | 900    | 151.5 | 86.5       | 1545        | 5        | 600*500 | 1015                    | 5500        | 30.8                     | 40.24      |
| 500-1035A | 985   | 5184     | 1440   | 160   | 89.5       | 2524        | 6.6      | 600*500 | 1035                    | 5680        | 32.02                    | 41.84      |
| 500-1035B | 985   | 4356     | 1210   | 154   | 88.5       | 2064        | 5.9      | 600*500 | 1035                    | 5680        | 32.02                    | 41.84      |
| 600-540A  | 985   | 4808     | 1336   | 22.3  | 86.5       | 338         | 8.4      | 700*600 | 570/553                 | 2725        | 5.15                     | 7.28       |
| 600-540A2 | 985   | 4831     | 1342   | 28.4  | 85.1       | 439         | 5.2      | 700*600 | 630                     | 2725        | 5.15                     | 7.28       |
| 600-540B  | 985   | 3915     | 1088   | 22    | 85         | 276         | 4        | 700*600 | 531/516                 | 2725        | 5.15                     | 7.28       |
| 600-620A  | 990   | 4500     | 1250   | 42.5  | 89         | 586         | 5.4      | 700*600 | 620                     | 4175        | 8.5                      | 11.6       |
| 600-620B  | 990   | 3824     | 1062   | 32.8  | 87         | 392         | 5.06     | 700*600 | 578/564                 | 4175        | 8.5                      | 11.6       |
| 600-670A  | 980   | 6480     | 1800   | 40    | 89.5       | 789         | 7.6      | 700*600 | 675                     | 4175        | 8.5                      | 11.6       |
| 600-670A  | 740   | 4680     | 1300   | 238   | 89         | 341         | 4        | 700*600 | 675                     | 4175        | 8.5                      | 11.6       |
| 600-670A  | 590   | 3600     | 1000   | 15    | 88         | 167         | 2.7      | 700*600 | 675                     | 4175        | 8.5                      | 11.6       |
| 600-710A  | 960   | 4626     | 1285   | 58.5  | 89         | 828         | 6.9      | 700*600 | 715                     | 3427        | 13.7                     | 18.2       |
| 600-710B  | 960   | 3600     | 1000   | 54    | 88         | 601         | 5.2      | 700*600 | 690                     | 3427        | 13.7                     | 18.2       |
| 600-830A  | 994   | 6635     | 1843   | 102.8 | 90         | 2065        | 9.22     | 700*600 | 910                     | 4700        | 22.33                    | 30.25      |
| 600-830A1 | 994   | 5358     | 1488.4 | 80.9  | 87         | 1357        | 6.8      | 700*600 | 870                     | 4700        | 22.33                    | 30.25      |
| 600-830A2 | 994   | 4064     | 1129   | 73.8  | 91         | 897         | 7.7      | 700*600 | 870                     | 4700        | 22.33                    | 30.25      |
| 600-830B  | 994   | 4660     | 1294   | 71.5  | 88         | 1032        | 6.3      | 700*600 | 770                     | 4700        | 22.33                    | 30.25      |

| Model     | Speed | Capacity |      | Head | Efficiency | Shaft power | (NPSHr)A | DN       | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|-----------|-------|----------|------|------|------------|-------------|----------|----------|-------------------------|-------------|--------------------------|------------|
|           | r/min | m³/h     | l/s  | m    | %          | kw          | m        | mm       | mm                      | kg          | Excl.water               | Incl.water |
| 700-590A  | 960   | 6480     | 1800 | 30   | 87         | 608         | 8        | 800*700  | 565                     | 4043        | 10.05                    | 12.88      |
| 700-590B  | 960   | 4968     | 1380 | 23.7 | 87         | 368         | 6        | 800*700  | 586                     | 4043        | 10.05                    | 12.88      |
| 700-710A  | 960   | 6480     | 1800 | 44   | 87         | 892         | 8        | 800*700  | 706                     | 5329        | 17.5                     | 23.5       |
| 700-710A1 | 960   | 6192     | 1720 | 51   | 86         | 1000        | 6.8      | 800*700  | 720                     | 5329        | 17.5                     | 23.5       |
| 700-710B  | 960   | 5580     | 1550 | 39.5 | 86         | 698         | 7.1      | 800*700  | 648                     | 5329        | 17.5                     | 23.5       |
| 700-820A  | 960   | 7380     | 2050 | 80   | 89         | 1806        | 8.8      | 800*700  | 835                     | 6075        | 31.5                     | 35.25      |
| 700-820B  | 960   | 5400     | 1500 | 60   | 88         | 1002        | 6.8      | 800*700  | 735                     | 6075        | 31.5                     | 35.25      |
| 800-670A  | 590   | 6480     | 1800 | 14.5 | 87.5       | 292         | 3.6      | 900*800  | 670                     | 7120        | 17.5                     | 23.5       |
| 800-740A  | 725   | 9000     | 2500 | 27   | 87         | 760         | 7.2      | 900*800  | 790                     | 6557        | 25.5                     | 31.75      |
| 800-740B  | 725   | 7272     | 2020 | 22.2 | 86         | 511         | 7.2      | 900*800  | 720                     | 6557        | 25.5                     | 31.75      |
| 800-740A1 | 740   | 11160    | 3100 | 42   | 91         | 1402        | 7.2      | 900*800  | 900                     | 9000        | 48                       | 62.1       |
| 800-740A1 | 590   | 8900     | 2472 | 26.7 | 90         | 719.4       | 4.6      | 900*800  | 900                     | 9000        | 48                       | 62.1       |
| 800-740A1 | 490   | 7391     | 2053 | 18.4 | 89         | 416.4       | 3.4      | 900*800  | 900                     | 9000        | 48                       | 62.1       |
| 800-840A  | 725   | 9000     | 2500 | 46   | 88         | 1281        | 6.3      | 900*800  | 885                     | 6624        | 37.25                    | 46.25      |
| 800-840B  | 725   | 7488     | 2080 | 43   | 87         | 1007        | 6.1      | 900*800  | 840                     | 6624        | 37.25                    | 46.25      |
| 800-970A  | 725   | 9792     | 2720 | 62.5 | 89         | 1872        | 7.1      | 900*800  | 980                     | 7809        | 61.75                    | 72.25      |
| 800-970B  | 725   | 7956     | 2210 | 52   | 89         | 1265        | 6.8      | 900*800  | 910                     | 7809        | 61.75                    | 72.25      |
| 900-970A  | 590   | 12200    | 3390 | 33   | 90.5       | 1213        | 5.8      | 1000*900 | 1000                    | 11125       | 61.75                    | 72.25      |
| 900-970A  | 490   | 10134    | 2815 | 22.8 | 90         | 700         | 4        | 1000*900 | 1000                    | 11125       | 61.75                    | 72.25      |
| 900-1030A | 590   | 13860    | 3850 | 40.8 | 90         | 1712        | 6.3      | 1000*900 | 1050                    | 11500       | 82.5                     | 109.7      |
| 900-1030A | 485   | 11510    | 3197 | 28.1 | 90         | 980         | 4.4      | 1000*900 | 1050                    | 11500       | 82.5                     | 109.7      |
| 900-1050A | 590   | 14249    | 3958 | 36.5 | 91         | 1156.4      | 6.4      | 1100*900 | 1055                    | 12000       | 104.5                    | 135.8      |
| 900-1050A | 490   | 11837    | 3288 | 25   | 90.5       | 890         | 4.5      | 1100*900 | 1055                    | 12000       | 104.5                    | 135.8      |

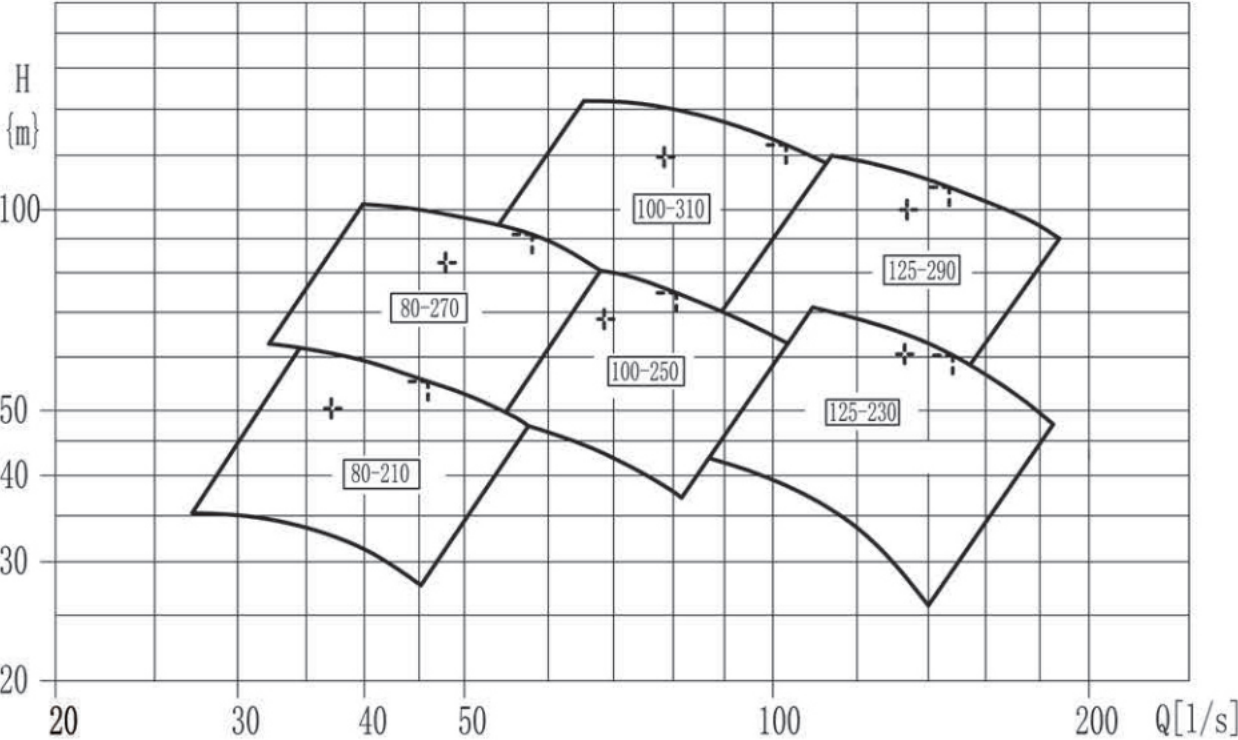
| Model       | Speed | Capacity |      | Head | Efficiency | Shaft power | (NPSHr)A | DN        | Nominal dia.of impeller | Pump weight | moment of inertia(kg.m²) |            |
|-------------|-------|----------|------|------|------------|-------------|----------|-----------|-------------------------|-------------|--------------------------|------------|
|             | r/min | m³/h     | l/s  | m    | %          | kw          | m        | mm        | mm                      | kg          | Excl.water               | Incl.water |
| 900-1050A   | 422   | 10192    | 2831 | 18.6 | 90         | 573.6       | 3.5      | 1000*900  | 1055                    | 12000       | 104.5                    | 135.8      |
| 900-1050B   | 590   | 13806    | 3835 | 27   | 87.5       | 1160.2      | 7.7      | 1000*900  | 985                     | 12000       | 104.5                    | 135.8      |
| 900-1050B   | 490   | 11466    | 3185 | 18.6 | 87         | 667.6       | 5.3      | 1000*900  | 985                     | 12000       | 104.5                    | 135.8      |
| 900-1050B   | 422   | 9875     | 2743 | 13.8 | 86.5       | 429         | 4        | 1000*900  | 985                     | 12000       | 104.5                    | 135.8      |
| 1000-1050A1 | 590   | 13680    | 3800 | 56.5 | 92         | 2287        | 6.2      | 1000*900  | 1155                    | 11851       | 104.5                    | 135.8      |
| 1000-1050A1 | 490   | 11360    | 3156 | 39   | 91         | 1327        | 4.3      | 1000*900  | 1155                    | 11851       | 104.5                    | 135.8      |
| 1000-1170A  | 490   | 16236    | 4510 | 31.1 | 92         | 1495        | 5.5      | 1200*1000 | 1170                    | 16000       | 165.5                    | 215.2      |
| 1000-1170A  | 422   | 13982    | 3884 | 23   | 91.5       | 957.2       | 4.5      | 1200*1000 | 1170                    | 16000       | 165.5                    | 215.2      |
| 10001170A   | 372   | 12326    | 3424 | 18   | 91         | 664         | 3.5      | 1200*1000 | 1170                    | 16000       | 165.5                    | 215.2      |
| 1000-1170B  | 490   | 15732    | 4370 | 23   | 88         | 1119.8      | 6.5      | 1200*1000 | 1090                    | 16000       | 165.5                    | 215.2      |
| 1000-1170B  | 422   | 13547    | 3763 | 17   | 87.5       | 716.8       | 5.3      | 1200*1000 | 1090                    | 16000       | 165.5                    | 215.2      |
| 1000-1170B  | 372   | 11945    | 3318 | 13.2 | 87         | 493.6       | 4.7      | 1200*1000 | 1090                    | 16000       | 165.5                    | 215.2      |
| 1200-1150A  | 490   | 20009    | 5558 | 22.7 | 89.5       | 1382        | 9        | 1400*1200 | 1158/1123               | 21000       | 165                      | 215        |
| 1200-1150A  | 422   | 17230    | 4786 | 16.8 | 89         | 885.7       | 7.5      | 1400*1200 | 1158/1123               | 21000       | 165                      | 215        |
| 1200-1150A  | 365   | 14904    | 4140 | 12.6 | 88.5       | 577.9       | 5        | 1400*1200 | 1158/1123               | 21000       | 165                      | 215        |
| 1200-1150A2 | 490   | 20106    | 5585 | 28.8 | 88         | 1792        | 5.8      | 1400*1200 | 1280                    | 21000       | 165                      | 215        |
| 1200-1150A2 | 422   | 17315    | 4810 | 21.5 | 87.5       | 1158.6      | 4.3      | 1400*1200 | 1280                    | 21000       | 165                      | 215        |
| 1200-1150A2 | 365   | 14976    | 4160 | 16   | 87         | 750.1       | 3.3      | 1400*1200 | 1280                    | 21000       | 165                      | 215        |
| 1200-1150B  | 490   | 16297    | 4527 | 22.3 | 88         | 1125        | 4.5      | 1400*1200 | 1078/1048               | 21000       | 165                      | 215        |
| 1200-1150B  | 422   | 14036    | 3899 | 16.6 | 87.5       | 725.2       | 3.3      | 1400*1200 | 1078/1048               | 21000       | 165                      | 215        |
| 1200-1150B  | 365   | 12139    | 3372 | 12.4 | 87         | 471.2       | 2.5      | 1400*1200 | 1078/1048               | 21000       | 165                      | 215        |



Selection Chart(1)

Speed n=2900 r/min

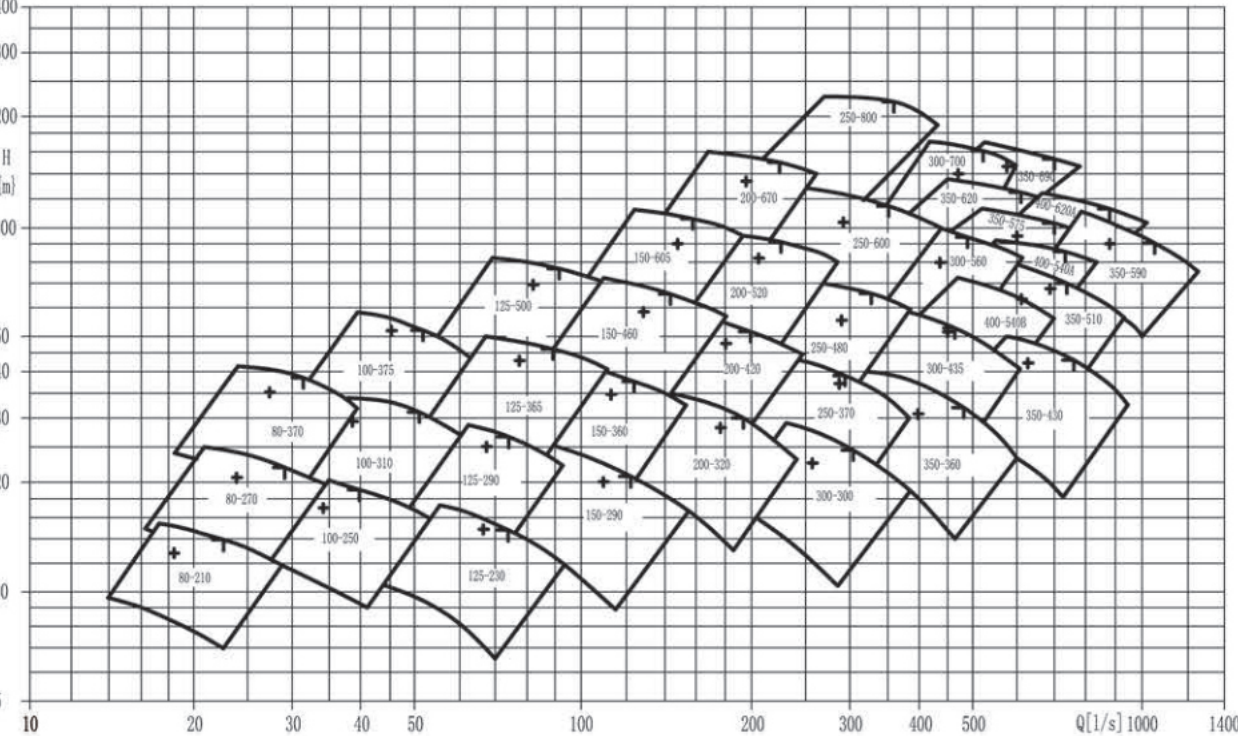
┐ =  $\eta_{opt}$  For impeller A  
+ =  $\eta_{opt}$  For impeller B



Selection Chart(2)

Speed n=1450 r/min

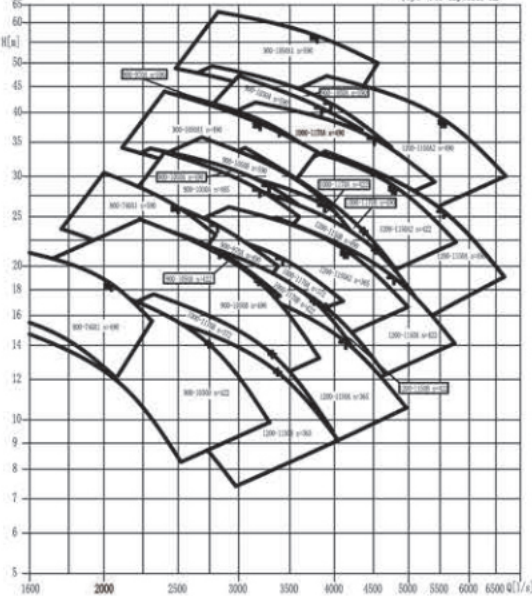
┐ =  $\eta_{opt}$  For impeller A  
+ =  $\eta_{opt}$  For impeller B



Selection Chart(3)

Speed n=590 r/min n=490 r/min n=422 r/min n=365 r/min

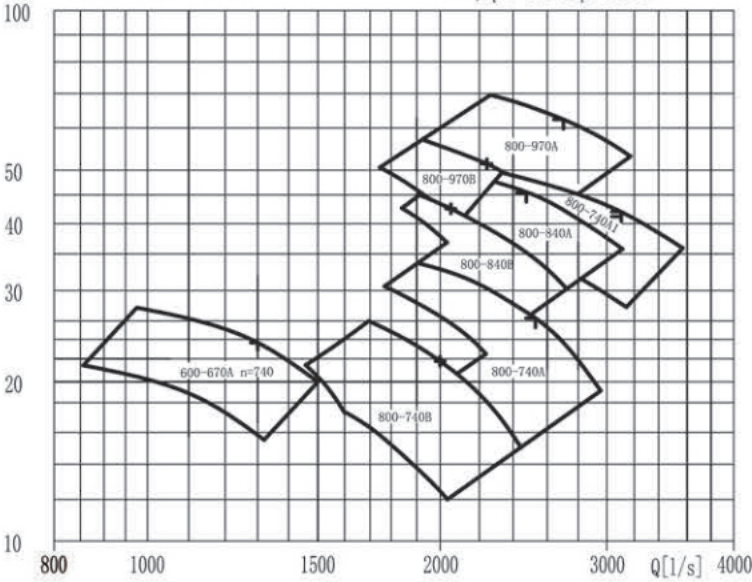
┐ =  $\eta_{opt}$  For impeller A  
+ =  $\eta_{opt}$  For impeller B  
┐ =  $\eta_{opt}$  For impeller A1  
+ =  $\eta_{opt}$  For impeller A2



Selection Chart(4)

Speed n=725 r/min

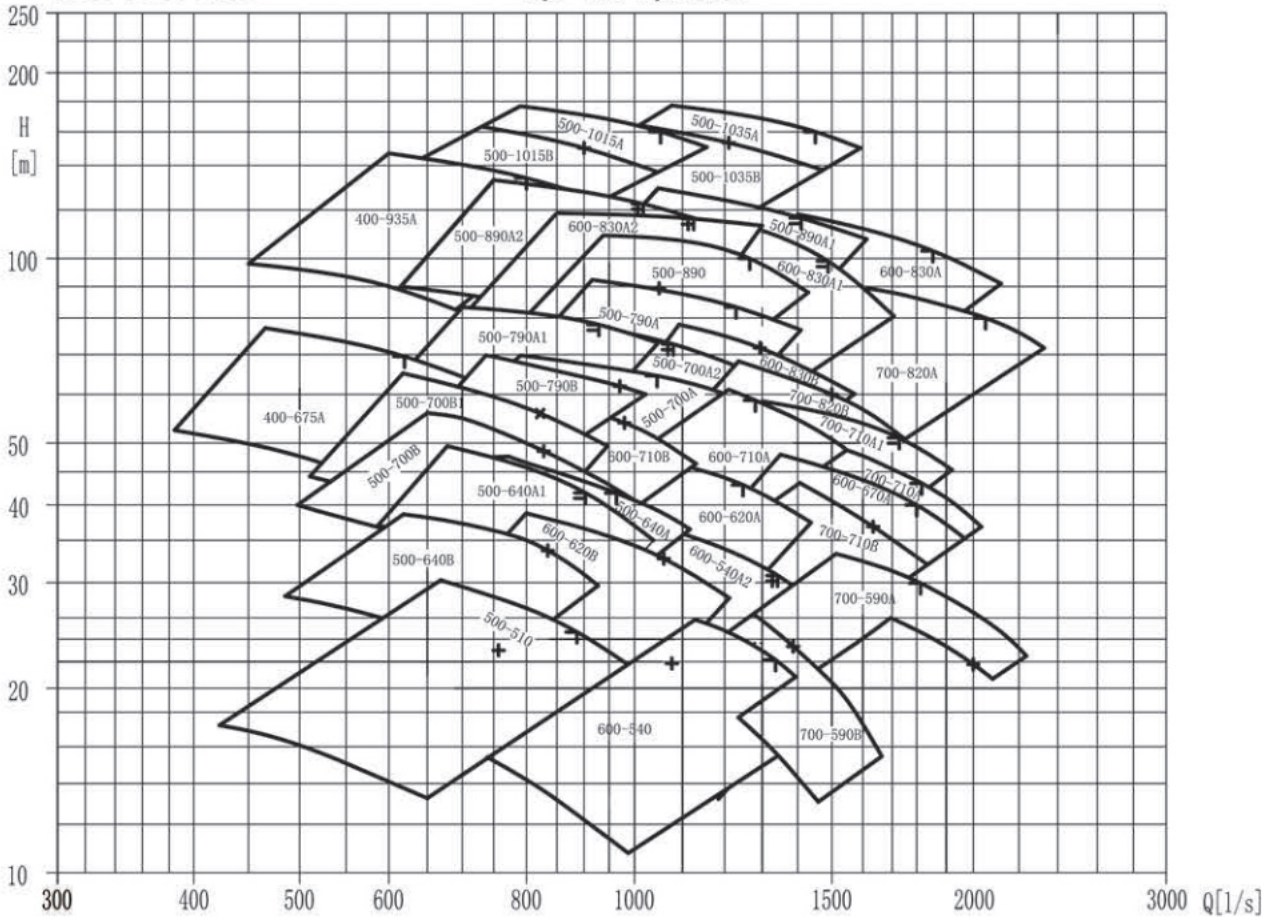
┐ =  $\eta_{opt}$  For impeller A  
+ =  $\eta_{opt}$  For impeller A1  
+ =  $\eta_{opt}$  For impeller B



Selection Chart(5)

Speed n=960 r/min

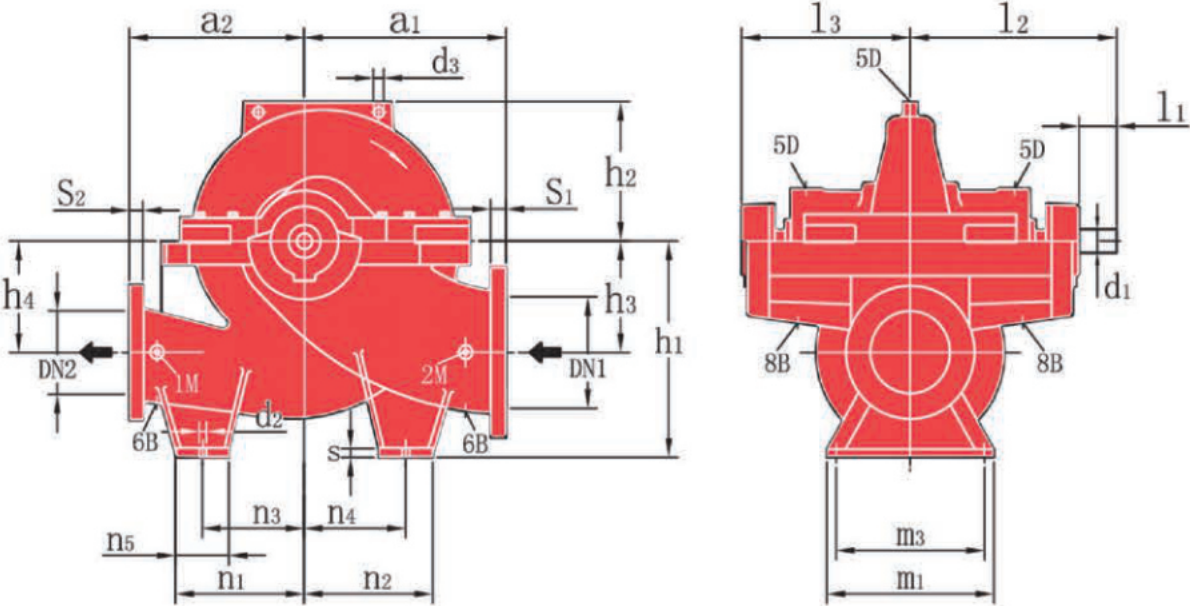
┐ =  $\eta_{opt}$  For impeller A  
+ =  $\eta_{opt}$  For impeller A1  
+ =  $\eta_{opt}$  For impeller A2  
+ =  $\eta_{opt}$  For impeller B  
x =  $\eta_{opt}$  For impeller B1





DIMENSIONS

From 80-210 to 350-590、350-690、400-675、400-935A、500-1015、500-1035



All dimension in mm.

| Model   | Flange |     |            |          | Pump size |     |    |     |     |     |    |     |     |     |
|---------|--------|-----|------------|----------|-----------|-----|----|-----|-----|-----|----|-----|-----|-----|
|         | DN1    | DN2 | S1         | S2       | a1        | a2  | d3 | h1  | h2  | h3  | h4 | l2  | l3  |     |
| 80-210  | 125    | 80  | 34.1       | 28.6     | 300       |     | 20 | 315 | 170 | 140 |    | 415 | 300 |     |
| 80-270  |        |     |            |          |           |     |    |     | 190 |     |    |     |     |     |
| 80-370  |        |     |            |          |           |     |    |     | 225 |     |    |     |     |     |
| 100-250 | 150    | 100 | 36.5       | 31.8     | 330       |     | 20 | 355 | 195 | 170 |    | 415 | 300 |     |
| 100-310 |        |     |            |          |           |     |    |     | 225 |     |    |     |     |     |
| 100-375 |        |     |            |          |           |     |    |     | 260 |     |    |     |     |     |
| 125-230 | 200    | 125 | 41.3       | 34.9     | 370       |     | 20 | 400 | 210 | 200 |    | 515 | 366 |     |
| 125-290 |        |     |            |          |           |     |    |     | 230 |     |    |     |     |     |
| 125-365 |        |     |            |          |           |     |    |     | 270 |     |    |     |     |     |
| 125-500 |        |     |            |          |           |     |    |     | 305 |     |    |     |     |     |
| 150-290 | 200    | 150 | 41.3       | 36.5     | 400       |     | 20 | 400 | 245 | 200 |    | 515 | 366 |     |
| 150-360 |        |     |            |          |           |     |    |     | 275 |     |    |     |     |     |
| 150-460 |        |     |            |          |           |     |    |     | 300 |     |    | 590 | 399 |     |
| 150-605 |        |     |            |          |           |     |    |     | 370 |     |    |     |     |     |
| 200-320 | 250    | 200 | 47.6       | 41.3     | 450       |     | 20 | 500 | 285 | 240 |    | 590 | 421 |     |
| 200-420 |        |     |            |          |           |     |    |     | 310 |     |    |     |     |     |
| 200-520 |        |     |            |          |           |     |    |     | 370 |     |    | 300 | 655 | 474 |
| 200-670 |        |     |            |          |           |     |    |     | 435 |     |    |     |     |     |
| 250-370 | 300    | 250 | 33.4(50.8) | 32(47.6) | 500       |     | 20 | 600 | 330 | 300 |    | 655 | 474 |     |
| 250-480 |        |     | 50.8       | 47.6     | 550       | 550 |    |     | 365 |     |    |     |     |     |
| 250-600 |        |     | 51         | 48       | 650       |     |    |     |     |     |    | 630 | 415 | 350 |
| 250-800 |        |     | 50.8       | 47.6     | 800       | 700 |    |     | 710 |     |    |     |     |     |

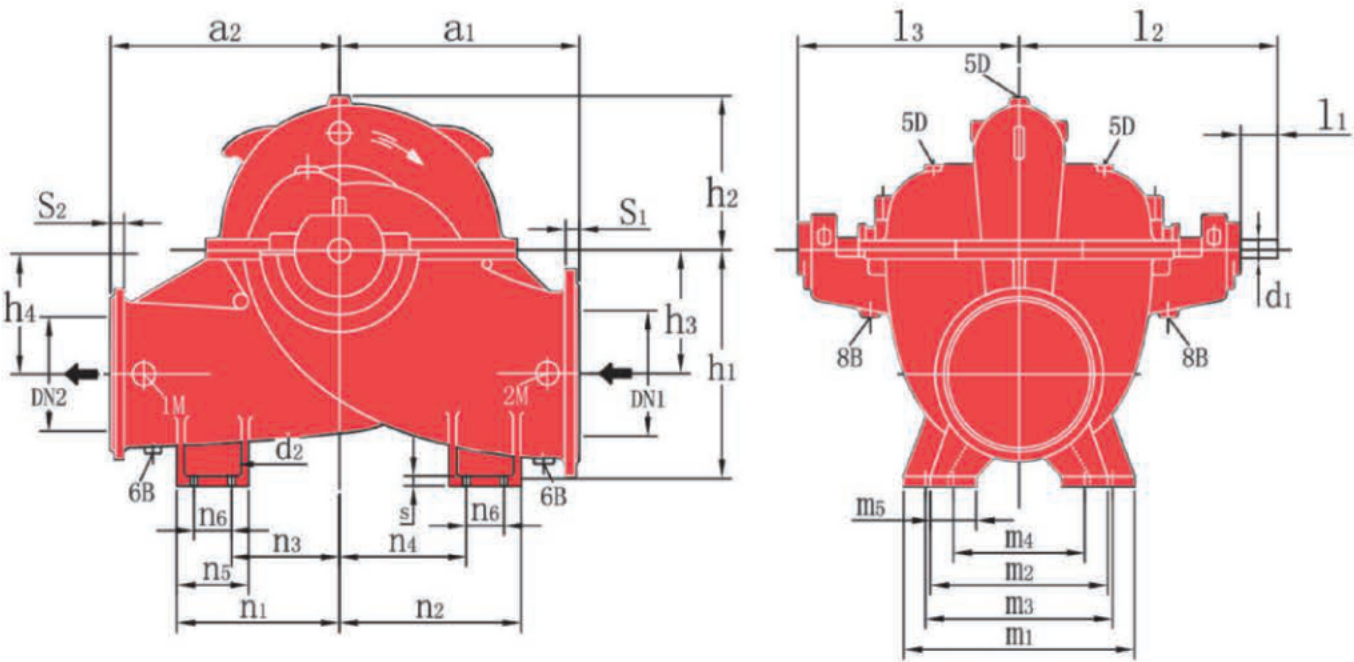
| Model    | Flange |     |            |                | Pump size |      |      |      |      |     |     |      |      |     |
|----------|--------|-----|------------|----------------|-----------|------|------|------|------|-----|-----|------|------|-----|
|          | DN1    | DN2 | S1         | S2             | a1        | a2   | d3   | h1   | h2   | h3  | h4  | l2   | l3   |     |
| 300-300  | 350    | 300 | 36(54)     | 33.4<br>(50.8) | 550       | 500  | 20   | 630  | 360  | 300 |     | 655  | 474  |     |
| 300-435  | 400    |     | 38.1(57.5) |                | 650       | 550  |      | 670  | 365  | 350 |     | 730  | 515  |     |
| 300-560  |        |     | 57.5       | 50.8           | 700       | 650  | 25   | 710  | 430  | 350 |     | 810  | 585  |     |
| 300-700  |        |     |            | 750            |           |      | 750  | 480  | 400  |     |     |      |      |     |
| 350-360  | 400    | 350 | 38.1(57.7) | 36(54)         | 650       | 550  | 25   | 670  | 415  | 350 |     | 730  | 515  |     |
| 350-430  | 450    |     | 41.3(60.3) |                | 750       | 650  |      | 750  | 465  |     |     | 810  |      |     |
| 350-510  | 400    |     | 38.1(57.2) |                | 700       |      | 30   |      | 420  | 400 |     | 595  |      |     |
| 350-575  |        |     | 38         |                | 36        | 900  | 700  |      | 900  | 475 | 550 |      |      |     |
| 350-590  | 500    |     | 52         | 38             | 810       | 650  | 30   | 800  | 520  | 400 |     | 975  | 775  |     |
| 350-690  | 400    |     | 44         | 48             | 900       | 750  | 40   | 900  | 550  | 475 |     | 956  | 720  |     |
| 400-675  | 500    |     | 400        | 42             | 38        | 900  | 800  | —    | 900  | 570 | 450 |      | 945  | 675 |
| 400-935  |        |     |            |                |           | 1050 | 1000 | 40   | 1000 | 650 | 550 |      |      |     |
| 500-1015 | 600    | 500 | 48         | 42             | 1200      | 1100 | 50   | 1200 | 750  | 725 |     |      |      |     |
| 500-1035 |        |     | 61         | 56             | 1250      |      |      |      | 800  | 700 |     | 1050 | 1308 |     |

| Model    | Foot pump size |      |     |     |     |     |     |     |    | Shaft extension |     |
|----------|----------------|------|-----|-----|-----|-----|-----|-----|----|-----------------|-----|
|          | d1             | m1   | m3  | n1  | n2  | n3  | n4  | n5  | s  | d1              | l1  |
| 80-210   | 17.5           | 320  | 270 | 205 | 205 | 170 | 170 | 70  | 20 | 35              | 105 |
| 80-270   |                |      |     |     |     |     |     |     |    |                 |     |
| 80-370   |                |      |     |     |     |     |     |     |    |                 |     |
| 100-250  | 17.5           | 320  | 270 | 235 | 235 | 200 | 200 | 70  | 22 | 35              | 105 |
| 100-310  |                |      |     |     |     |     |     |     | 20 |                 |     |
| 100-375  |                |      |     |     |     |     |     |     |    |                 |     |
| 125-230  | 18             | 390  | 340 | 260 | 260 | 225 | 225 | 80  | 22 | 45              | 100 |
| 125-290  |                |      |     |     |     |     |     |     |    |                 |     |
| 125-365  |                |      |     |     |     |     |     |     |    |                 |     |
| 125-500  | 18.5           |      |     | 315 | 315 | 280 | 280 |     |    |                 |     |
| 150-290  | 18.5           | 400  | 340 | 260 | 260 |     |     |     |    |                 |     |
| 150-360  |                | 390  |     | 215 | 215 | 225 | 225 | 80  | 22 | 45              | 100 |
| 150-460  |                |      |     |     |     |     |     |     |    |                 |     |
| 150-605  | 23             | 480  | 430 | 315 | 315 | 280 | 280 | 70  | 20 | 55              | 125 |
| 150-605  | 17.5           |      |     | 385 | 385 | 350 | 350 |     |    |                 |     |
| 200-320  | 23             | 480  | 430 | 315 | 315 | 280 | 280 |     |    |                 |     |
| 200-420  |                |      |     |     |     |     |     |     |    |                 |     |
| 200-520  |                |      |     | 385 | 385 |     |     |     |    |                 |     |
| 200-670  |                |      | 400 | 400 | 400 | 350 | 350 | 100 | 26 | 65              | 140 |
| 250-370  | 23             | 480  | 400 |     |     |     |     |     |    | 65              | 140 |
| 250-480  | 22             | 600  | 520 | 400 | 400 | 350 | 350 | 100 | 26 | 75              | 160 |
| 250-600  |                |      |     |     |     |     |     |     |    |                 |     |
| 250-800  |                |      |     | 525 | 525 | 475 | 475 |     |    | 85              | 180 |
| 300-300  | 22             | 480  | 400 | 400 | 400 | 350 | 350 |     |    | 65              | 140 |
| 300-435  |                | 600  | 520 |     |     |     |     |     |    | 75              | 160 |
| 300-560  |                |      |     | 525 | 525 | 475 | 475 |     |    | 85              | 180 |
| 300-700  |                |      |     |     |     |     |     |     |    |                 |     |
| 350-360  | 22             | 600  | 520 | 400 | 400 | 350 | 350 |     |    | 75              | 160 |
| 350-430  |                |      |     |     |     |     |     |     |    |                 |     |
| 350-510  |                |      |     | 525 | 525 | 475 | 475 | 100 | 26 | 85              | 180 |
| 350-575  | 35             | 780  | 630 | 560 | 560 | 485 | 485 | 150 | 35 | 95              | 210 |
| 350-590  | 27             | 940  | 840 | 500 | 565 | 435 | 500 | 130 | 30 | 100             | 180 |
| 350-690  | 35             | 780  | 630 | 560 | 560 | 485 | 485 | 150 | 35 | 95              | 210 |
| 400-675  | 36             | 730  | 630 | 640 | 640 | 565 | 565 | 150 | 30 | 95              | 250 |
| 400-935  | 35             | 840  | 690 |     |     |     |     |     | 35 |                 | 210 |
| 500-1015 | 42             | 1070 | 870 | 850 | 850 | 750 | 750 | 200 | 40 | 125             | 250 |
| 500-1035 |                |      |     |     |     |     |     |     |    |                 |     |



DIMENSIONS

From 350-620 to 1200-1150(except 350-690、400-675、400-935、500-1015、500-1035)



All dimension in mm.

| Model     | Flange |     |     |     | Pump size |      |      |     |      |     |      |      |
|-----------|--------|-----|-----|-----|-----------|------|------|-----|------|-----|------|------|
|           | DN1    | DN2 | S1  | S2  | a1        | a2   | h1   | h2  | h3   | h4  | 12   | 13   |
| 350-620   | 400    | 350 | 38  | 38  | 740       | 670  | 775  | 515 | 460  |     | 910  | 710  |
| 400-540   | 500    | 400 | 42  | 38  | 750       | 700  | 820  | 500 | 400  | 460 | 940  | 720  |
| 400-620   |        |     |     |     | 800       |      | 850  | 530 | 490  |     | 955  |      |
| 500-510   | 600    | 500 | 48  | 43  | 850       | 550  | 900  | 560 | 475  |     | 1025 | 820  |
| 500-640   |        |     |     | 42  | 850       | 800  | 920  | 600 | 495  |     | 1115 | 890  |
| 500-700   |        |     | 36  |     | 1050      | 850  | 1000 | 625 | 550  | 620 | 1085 | 795  |
| 500-790   |        |     | 48  |     | 1000      | 900  | 1050 | 660 | 600  |     | 1175 | 900  |
| 500-890   |        |     |     |     | 1050      | 950  | 1100 | 710 | 650  |     | 1210 | 920  |
| 600-540   |        |     | 700 | 600 | 40        | 36   | 1100 | 900 | 1100 | 750 | 610  |      |
| 600-620   | 54     | 48  |     |     | 1000      | 1000 | 1050 | 650 | 545  |     | 1060 | 840  |
| 600-670   | 54     | 48  |     |     | 1050      | 785  | 1100 | 720 | 600  |     | 1240 | 1037 |
| 600-710   | 54     | 48  |     |     | 1000      | 1100 | 1050 | 650 | 545  |     | 1160 | 930  |
| 600-830   | 54     | 48  |     |     | 1100      | 1200 | 1100 | 760 | 580  |     | 1275 | 1000 |
| 700-590   | 900    | 700 | 44  | 40  | 1300      | 800  | 1150 | 720 | 600  |     | 1300 | 1090 |
| 700-710   |        |     | 58  | 54  | 1200      | 1150 | 1170 | 750 | 620  |     | 1360 | 1130 |
| 700-820   |        |     | 50  | 50  | 1250      | 1250 | 1200 | 850 | 650  |     | 1440 | 1160 |
| 800-670   | 900    | 800 | 62  | 58  | 1400      | 950  | 1380 | 770 | 770  |     | 1410 | 1180 |
| 800-740   |        |     | 46  | 44  | 1400      | 950  | 1380 | 920 | 770  |     | 1410 | 1180 |
| 800-740A1 |        |     | 62  | 58  | 1400      | 1050 | 1380 | 970 | 800  |     | 1500 | 1268 |
| 800-840   |        |     | 46  | 44  | 1400      | 1125 | 1360 | 900 | 770  |     | 1500 | 1180 |
| 800-970   |        |     | 46  | 44  | 1400      | 1300 | 1370 | 850 | 760  |     | 1580 | 1270 |

| Model      | Flange |      |    |    | Pump size |      |      |      |      |      |      |    |
|------------|--------|------|----|----|-----------|------|------|------|------|------|------|----|
|            | DN1    | DN2  | S1 | S2 | a1        | a2   | h1   | h2   | h3   | h4   | l2   | l3 |
| 900-970    | 1000   | 900  | 66 | 62 | 1600      | 1300 | 1650 | 1265 | 975  | 1780 | 1465 |    |
| 900-1030   |        |      | 50 | 46 |           |      |      |      |      |      |      |    |
| 900-1050A1 |        |      | 56 |    | 1650      | 1170 | 1700 | 1180 | 935  | 1840 | 1671 |    |
| 900-1050   | 1100   |      |    |    |           |      |      |      |      |      |      |    |
| 1000-1170  | 1200   | 1000 | 56 | 50 | 1800      | 1300 | 1800 | 1325 | 1040 | 1925 | 1710 |    |
| 1200-1150  | 1400   | 1200 | 62 | 56 | 2200      | 1450 | 2150 | 1594 | 1240 | 2000 | 1855 |    |

| Model      | Foot pump size |      |      |      |      |     |      |      |     |      |     |     |    | Shaft extension |     |     |
|------------|----------------|------|------|------|------|-----|------|------|-----|------|-----|-----|----|-----------------|-----|-----|
|            | d1             | m1   | m2   | m3   | m4   | m5  | n1   | n2   | n3  | n4   | n5  | n6  | s  | d1              | l1  |     |
| 350-620    | 33             | 830  | 570  | 710  | 450  | 140 | 490  | 550  | 385 | 445  | 210 | -   | 30 | 95              | 190 |     |
| 400-540    | 33             | 950  | 700  | 800  | 550  | 200 | 550  | 600  | 425 | 475  | 250 | -   | 35 | 85              | 210 |     |
| 400-620    |                |      |      |      |      |     |      | 650  |     | 525  |     |     |    | 95              |     |     |
| 500-510    | 33             | 1100 | 800  | 940  | 640  | 200 | 400  | 550  | 175 | 325  | 300 | 150 | 35 | 75              | 190 |     |
| 500-640    |                |      |      |      |      |     | 600  | 600  | 375 | 375  |     |     |    | 95              | 210 |     |
| 500-700    |                | 1200 | 800  | 1000 | 600  |     | 650  | 750  | 425 | 525  |     |     |    | 105             | 230 |     |
| 500-790    |                |      | 825  | 1040 | 655  |     | 700  | 800  | 475 | 575  |     |     |    | 115             | 250 |     |
| 500-890    |                |      | 1100 | 850  | 940  |     | 680  | 750  | 850 | 525  |     |     |    | 625             | 135 | 290 |
| 600-540    | 33             | 1100 | 800  | 850  | 550  | 220 | 700  | 800  | 475 | 575  | 300 | 150 | 40 | 75              | 190 |     |
| 600-620    | 800            |      |      |      |      |     | 575  |      | 575 |      |     |     |    | 85              | 225 |     |
| 600-670    | 1200           | 900  | 1020 | 640  | 600  |     | 750  | 375  | 525 | 105  |     |     |    | 200             |     |     |
| 600-710    |                |      |      |      | 800  |     | 800  | 575  | 575 |      |     |     |    | 230             |     |     |
| 600-830    |                |      |      |      | 900  |     |      | 675  | 575 | 115  |     |     |    | 250             |     |     |
| 700-590    | 36             | 1200 | 900  | 1000 | 700  | 250 | 600  | 900  | 325 | 625  | 350 | 200 | 40 | 95              | 210 |     |
| 700-710    |                |      |      |      |      |     | 900  |      | 625 |      |     |     |    | 625             | 105 | 230 |
| 700-820    |                |      |      |      |      |     | 950  |      | 950 |      |     |     |    | 675             | 675 | 125 |
| 800-670    | 36             | 1300 | 1000 | 1100 | 800  | 280 | 750  | 900  | 425 | 575  | 400 | 250 | 40 | 105             | 230 |     |
| 800-740    |                |      |      |      |      |     |      |      |     |      |     |     |    |                 |     |     |
| 800-740A1  |                |      |      |      |      |     |      |      |     |      |     |     |    | 50              | 135 | 210 |
| 800-840    |                |      |      |      |      |     | 900  | 950  | 575 | 625  | 400 | 250 | 40 | 115             | 310 |     |
| 800-970    |                |      |      |      |      |     | 1000 | 1000 | 675 | 675  |     |     |    | 135             |     |     |
| 900-970    | 42             | 1400 | 1100 | 1150 | 850  | 300 | 1000 | 1200 | 710 | 910  | 400 | 180 | 50 | 170             | 300 |     |
| 900-1030   |                |      |      |      |      |     |      |      |     |      |     |     |    |                 |     |     |
| 900-1050A1 |                |      |      |      |      |     |      |      |     |      |     |     |    |                 |     |     |
| 900-1050   | 48             | 1800 | 1440 | 1500 | 1220 | 300 | 810  | 1050 | 485 | 725  | 450 | 200 | 60 | 150             | 250 |     |
| 1000-1170  | 48             | 2000 | 1600 | 1750 | 1350 | 350 | 1000 | 1200 | 670 | 870  | 450 | 210 | 60 | 170             | 250 |     |
| 1200-1150  | 48             | 2200 | 1640 | 1860 | 1300 | 400 | 1190 | 1600 | 750 | 1160 | 600 | 280 | 65 | 170             | 250 |     |



## SCM CLOSE COUPLED CENTRIFUGAL PUMP



### BRIEF INTRODUCTION

#### DESCRIPTION

- ◆ EN733 standard close-coupled centrifugal pump
- ◆ Both square motor & round motor available
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Pump case with anti-corrosive coating
- ◆ Galvanized counter flange with bolts, nuts and gaskets
- ◆ Quality NSK bearing, wear resistance mechanical seal

Cast iron, SS304, brass, bronze impellers are available.

### APPLICATIONS

Suitable for clean water and liquids that are not chemically aggressive towards the materials of the pumps

The SCM centrifugal pumps are recommended for using in water supply, pressure boosting, firefighting, cleaning irrigation, industrial applications,water circulation, etc

### USING LIMITS

- ◆ Liquid temperature between - 10°C and + 120°C
- ◆ Ambient temperature between - 10°C and + 50°C
- ◆ Max.working pressure 16bar
- ◆ Continuous service S1

### TECHNICAL SHEET

|            |                                    |
|------------|------------------------------------|
| Model      | SCM                                |
| Capacity   | 0-400m³/h                          |
| Head       | 0-151 m                            |
| DN         | 32-125mm                           |
| Speed      | 2900/3500rpm                       |
| T max      | 120°C                              |
| Power      | 0.75-160 kW                        |
| Voltage    | 220/380/660V                       |
| HZ         | 50/60                              |
| Class      | Class F                            |
| IP         | IP 55                              |
| Duty       | S1 continuous                      |
| Casing     | Grey Cast iron                     |
| Impeller   | Cast iron/AISI 304/ Brass          |
| Shaft      | 45# steel/AISI304                  |
| Shaft seal | Mechanical Seal                    |
| Bearing    | Grease lubrication rolling bearing |



TECHNICAL DATA

50 Hz/60Hz    n=2900/3500    l/min

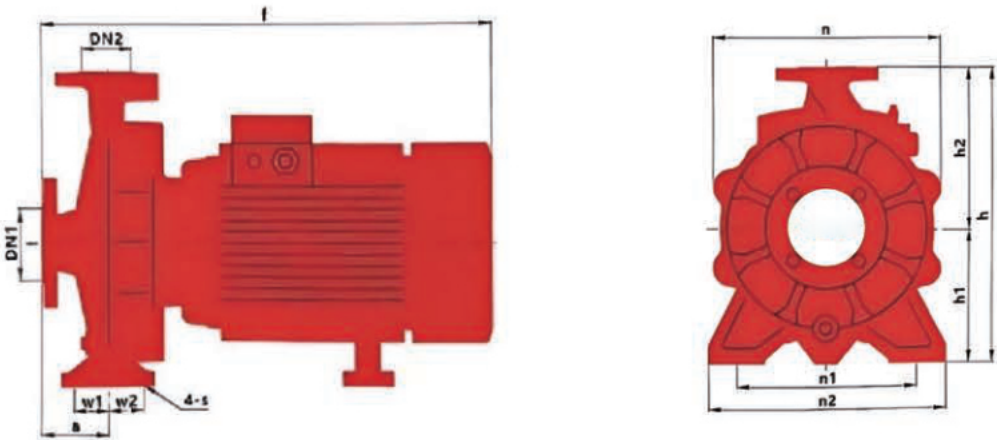
| MODEL          | DN    | Power |      | Q=DELIVERY |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|-------|-------|------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                |       |       |      | gpm        | 0    | 26   | 40   | 66   | 79   | 106  | 119  | 159  | 185  | 211  | 238  | 317  | 396  | 476  | 529  | 608  |
|                |       |       |      | l/min      | 0    | 100  | 150  | 250  | 300  | 400  | 450  | 600  | 700  | 800  | 900  | 1200 | 1500 | 1800 | 2000 | 2300 |
|                |       |       |      | m³/h       | 0    | 6    | 9    | 15   | 18   | 24   | 27   | 36   | 42   | 48   | 54   | 72   | 90   | 108  | 120  | 138  |
|                | mm    | kw    | hp   | H=Head(m)  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SCM 32-125/07  | 50x32 | 0.75  | 1    | 17.5       | 16.7 | 15   | 12   | 9    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-125/11  | 50x32 | 1.1   | 1.5  | 22         | 21   | 20.2 | 17   | 15   | 9    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-160/15  | 50x32 | 1.5   | 2    | 24         | 23.7 | 22.5 | 19.5 | 16.2 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-160/22  | 50x32 | 2.2   | 3    | 31         | 29.6 | 29   | 25.5 | 22.5 | 15   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-160/30  | 50x32 | 3     | 4    | 34.5       | 33.5 | 33   | 29   | 26.5 | 19   | 16.5 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-200/30  | 50x32 | 3     | 4    | 43.2       | 42   | 40.5 | 35.2 | 32.2 | 24.6 | 19.8 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-200/40  | 50x32 | 4     | 5.5  | 52         | 50.5 | 50   | 45.5 | 41.9 | 35   | 30.3 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-250/55  | 50x32 | 5.5   | 7.5  | 60         | 59.5 | 59   | 55   | 50.2 | 34.5 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-250/75  | 50x32 | 7.5   | 10   | 69.5       | 69   | 68.5 | 66   | 63   | 53   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| S CM 32-250/92 | 50x32 | 9.2   | 12.5 | 75         | 75.8 | 75.7 | 73.6 | 70   | 60   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-250/110 | 50x32 | 11    | 15   | 92         | 90   | 88.5 | 82.5 | 78   | 66   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-250/55D | 50x32 | 5.5   | 7.5  | 79.5       | 74.7 | 71.8 | 63   | 56   | 37.5 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 32-250/75D | 50x32 | 7.5   | 10   | 95         | 93   | 91   | 83   | 76   | 57.8 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-125/11  | 65x40 | 1.1   | 1.5  | 14.7       | -    | -    | -    | 13   | 11.5 | 10.1 | 5.8  | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-125/15  | 65x40 | 1.5   | 2    | 18.1       | -    | -    | -    | 17   | 15   | 13.9 | 10   | 6    | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-125/22  | 65x40 | 2.2   | 3    | 24.5       | -    | -    | -    | 23.2 | 21.5 | 20.2 | 16   | 13   | 8.3  | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-160/30  | 65x40 | 3     | 4    | 31.8       | -    | -    | -    | 29.5 | 27.5 | 26.3 | 21.5 | 17.5 | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-160/40  | 65x40 | 4     | 5.5  | 38         | -    | -    | -    | 36   | 34   | 33   | 28.5 | 25   | 20.1 | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-200/55  | 65x40 | 5.5   | 7.5  | 44         | -    | -    | -    | 42   | 40   | 38   | 32   | 27   | -    | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-200/75  | 65x40 | 7.5   | 10   | 55         | -    | -    | -    | 52   | 49   | 48   | 42   | 37   | 32   | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-250/92  | 65x40 | 9.2   | 12.5 | 64         | -    | -    | -    | 59   | 56.5 | 55   | 49.5 | 45   | 39.8 | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-250/110 | 65x40 | 11    | 15   | 72         | -    | -    | -    | 67.5 | 65   | 63.5 | 57.5 | 52.2 | 47   | -    | -    | -    | -    | -    | -    | -    |
| SCM 40-250/150 | 65x40 | 15    | 20   | 82         | -    | -    | -    | 79.3 | 77.3 | 76.5 | 71   | 66   | 61   | 54.8 | -    | -    | -    | -    | -    | -    |
| SCM 50-125/22  | 65x50 | 2.2   | 3    | 17         | -    | -    | -    | -    | -    | -    | 15.4 | 14   | 12.8 | 11.5 | 6.5  | -    | -    | -    | -    | -    |
| SCM 50-125/30  | 65x50 | 3     | 4    | 20         | -    | -    | -    | -    | -    | -    | 18.8 | 18   | 17   | 15.6 | 11   | -    | -    | -    | -    | -    |
| SCM 50-125/40  | 65x50 | 4     | 5.5  | 24         | -    | -    | -    | -    | -    | -    | 23.1 | 23   | 21.5 | 20.3 | 15.8 | -    | -    | -    | -    | -    |
| SCM 50-160/55  | 65x50 | 5.5   | 7.5  | 32         | -    | -    | -    | -    | -    | -    | 30.6 | 30   | 28   | 26.6 | 20.5 | -    | -    | -    | -    | -    |
| SCM 50-160/75  | 65x50 | 7.5   | 10   | 40         | -    | -    | -    | -    | -    | -    | 38   | 37   | 36   | 34.4 | 29   | 21   | -    | -    | -    | -    |
| SCM 50-200/92  | 65x50 | 9.2   | 12.5 | 50.5       | -    | -    | -    | -    | -    | -    | 46.8 | 45   | 43   | 40.9 | 32.5 | -    | -    | -    | -    | -    |
| SCM 50-200/110 | 65x50 | 11    | 15   | 57.5       | -    | -    | -    | -    | -    | -    | 53.5 | 52   | 50   | 47.5 | 40   | 29   | -    | -    | -    | -    |
| SCM 50-200/150 | 65x50 | 15    | 20   | 64         | -    | -    | -    | -    | -    | -    | 59.5 | 57.5 | 55   | 53   | 45   | 36   | -    | -    | -    | -    |
| SCM 50-250/150 | 65x50 | 15    | 20   | 68.5       | -    | -    | -    | -    | -    | -    | 64   | 63   | 61.5 | 59   | 50   | -    | -    | -    | -    | -    |
| SCM 50-250/185 | 65x50 | 18.5  | 25   | 79         | -    | -    | -    | -    | -    | -    | 73.2 | 72   | 70   | 68   | 60.5 | -    | -    | -    | -    | -    |
| SCM 50-250/220 | 65x50 | 22    | 30   | 86.3       | -    | -    | -    | -    | -    | -    | 83   | 81.5 | 80   | 78   | 70   | -    | -    | -    | -    | -    |
| SCM 65-125/40  | 80x65 | 4     | 5.5  | 19         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 17.3 | 16.8 | 14.5 | 11.8 | -    | -    | -    |
| SCM 65-125/55  | 80x65 | 5.5   | 7.5  | 23         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 21.3 | 20.9 | 19   | 16.7 | 13.7 | -    | -    |
| SCM 65-125/75  | 80x65 | 7.5   | 10   | 27         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 26   | 25.6 | 24.5 | 22.5 | 20   | 18   | -    |
| SCM 65-160/92  | 80x65 | 9.2   | 12.5 | 33         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 31.5 | 30   | 27.1 | 24   | 21.5 | -    |
| SCM 65-160/110 | 80x65 | 11    | 15   | 36         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 34.5 | 33   | 30.8 | 28   | 25.5 | -    |
| SCM 65-160/150 | 80x65 | 15    | 20   | 42         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 41   | 40   | 37.8 | 35   | 33   | 29.5 |
| SCM 65-200/150 | 80x65 | 15    | 20   | 45.5       | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 46   | 43.5 | 39.2 | 33   | -    | -    |
| SCM 65-200/185 | 80x65 | 18.5  | 25   | 53         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 53.5 | 51.2 | 47   | 41.5 | -    | -    |
| SCM 65-200/220 | 80x65 | 22    | 30   | 59         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 59.5 | 58   | 55   | 52   | 49.5 | 44.5 |
| SCM 65-250/220 | 80x65 | 22    | 30   | 62         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 61.6 | 58.2 | 58.5 | 53   | 50   | -    |
| SCM 65-250/300 | 80x65 | 30    | 40   | 76         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 75   | 73   | 69   | 64   | 61   | 58   |
| SCM 65-250/370 | 80x65 | 37    | 50   | 90         | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 88   | 86   | 82   | 78   | 74   | 68   |

TECHNICAL DATA

50 Hz/60Hz    n=2900/3500    l/min

| MODEL            | DN      | Power |     | Q=DELIVERY |       |       |       |       |       |       |       |       |       |       |       |      |
|------------------|---------|-------|-----|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|                  |         |       |     | gpm        | 0     | 264   | 396   | 529   | 634   | 793   | 881   | 925   | 969   | 1057  | 1233  | 1322 |
|                  |         |       |     | l/min      | 0     | 1000  | 1500  | 2000  | 2400  | 3000  | 3333  | 3500  | 3667  | 4000  | 4667  | 5000 |
|                  |         |       |     | m³/h       | 0     | 60    | 90    | 120   | 144   | 180   | 200   | 210   | 220   | 240   | 280   | 300  |
|                  | mm      | kw    | hp  | H=Head(m)  |       |       |       |       |       |       |       |       |       |       |       |      |
| SCM 65-315/450   | 80x65   | 45    | 60  | 102        | 98    | 94.5  | 90    | 83    | -     | -     | -     | -     | -     | -     | -     |      |
| SCM 65-315/550   | 80x65   | 55    | 75  | 122        | 120   | 114.5 | 110   | 100   | 76    | -     | -     | -     | -     | -     | -     |      |
| SCM 65-315/750   | 80x65   | 75    | 100 | 141        | 141   | 134.5 | 130   | 120   | 96    | 78    | 65.5  | -     | -     | -     | -     |      |
| SCM 65-315/900   | 80x65   | 90    | 125 | 151        | 150   | 144.5 | 140   | 130   | 106   | 88    | 75.5  | -     | -     | -     | -     |      |
| SCM 80-125/40    | 100x80  | 4     | 5.5 | 17         | 15    | 12.3  | 7.5   | -     | -     | -     | -     | -     | -     | -     | -     |      |
| SCM 80-125/55    | 100x80  | 5.5   | 7.5 | 21         | 19.6  | 17.4  | 13.4  | 9.5   | -     | -     | -     | -     | -     | -     | -     |      |
| SCM 80-125/75    | 100x80  | 7.5   | 10  | 26         | 24.8  | 23    | 19.5  | 16.5  | -     | -     | -     | -     | -     | -     | -     |      |
| SCM 80-160/110   | 100x80  | 11    | 15  | 27         | 27    | 27.3  | 24.5  | 22    | 16    | -     | -     | -     | -     | -     | -     |      |
| SCM 80-160/150   | 100x80  | 15    | 20  | 32.8       | 32.6  | 32.5  | 30.2  | 27.5  | 22.1  | 18.5  | 16.7  | -     | -     | -     | -     |      |
| SCM 80-160/185   | 100x80  | 18.5  | 25  | 39         | 38.5  | 38    | 35.7  | 33.5  | 28.8  | 25.3  | 23.5  | -     | -     | -     | -     |      |
| SCM 80-200/220   | 100x80  | 22    | 30  | 48         | 47.7  | 47.5  | 43.5  | 40.5  | 32.5  | 27.2  | 24.5  | -     | -     | -     | -     |      |
| SCM 80-200/300   | 100x80  | 30    | 40  | 60         | 59.7  | 59.5  | 57    | 54    | 49.5  | 42.7  | 40.5  | -     | -     | -     | -     |      |
| SCM 80-250/370   | 100x80  | 37    | 50  | 71.5       | 70.9  | 70.5  | 65.5  | 61    | 62    | 43.2  | 38.5  | -     | -     | -     | -     |      |
| SCM 80-250/450   | 100x80  | 45    | 60  | 82         | 86.7  | 80.5  | 76.5  | 71.5  | 77.6  | 60    | 51    | -     | -     | -     | -     |      |
| SCM 80-250/550   | 100x80  | 55    | 75  | 95         | 94.5  | 93.5  | 89.9  | 86.5  | 79.5  | 72.1  | 68.3  | -     | -     | -     | -     |      |
| SCM 80-315/450   | 100x80  | 45    | 60  | 85         | 84    | 82.6  | 82    | 78    | 68.3  | 61    | 56    | -     | -     | -     | -     |      |
| SCM 80-315/550   | 100x80  | 55    | 75  | 98         | 97    | 95.6  | 95    | 91    | 81.3  | 74    | 69    | -     | -     | -     | -     |      |
| SCM 80-315/750   | 100x80  | 75    | 100 | 124        | 123   | 121.6 | 121   | 117   | 107.3 | 100   | 95    | 90    | 80.8  | -     | -     |      |
| SCM 80-315/900   | 100x80  | 90    | 125 | 144        | 143   | 141.6 | 141   | 137   | 127.3 | 120   | 115   | 110   | 100.8 | -     | -     |      |
| SCM 100-160/150  | 125x100 | 15    | 20  | 36.5       | 34.7  | 33.6  | 31    | 28.5  | 24.5  | 21.8  | 20    | 21.5  | 15.1  | -     | -     |      |
| SCM 100-160/185  | 125x100 | 18.5  | 25  | 40         | 38.7  | 37.6  | 35.3  | 32.9  | 29    | 26.0  | 24    | 25.5  | 18.1  | -     | -     |      |
| SCM 100-160/220  | 125x100 | 22    | 30  | 44.5       | 42.2  | 41.1  | 38.6  | 35.9  | 31.5  | 28.8  | 27    | 28.5  | 22.1  | -     | -     |      |
| SCM 100-200/220  | 125x100 | 22    | 30  | 40.3       | 38.2  | 37    | 34.9  | 32.7  | 28.5  | 27.4  | 26    | 27.5  | 23.3  | 16.6  | 13.2  |      |
| SCM 100-200/300  | 125x100 | 30    | 40  | 46.3       | 44    | 43.3  | 41.3  | 39.8  | 36.7  | 34.8  | 33    | 34.5  | 29.4  | 22    | 18.2  |      |
| SCM 100-200/370  | 125x100 | 37    | 50  | 56.8       | 54.5  | 52.3  | 51.7  | 50.2  | 47    | 45.6  | 44    | 45.5  | 40.9  | 33.1  | 29.2  |      |
| SCM 100-250/450  | 125x100 | 45    | 60  | 66.8       | 66.5  | 65.3  | 64.1  | 62    | 58    | 56.6  | 55    | 56.5  | 50.4  | 39.3  | 33.7  |      |
| SCM 100-250/550  | 125x100 | 55    | 75  | 78.8       | 77.5  | 76.8  | 76.1  | 74.8  | 72    | 72.3  | 71.5  | 73    | 69.4  | 62.6  | 59.2  |      |
| SCM 100-250/750  | 125x100 | 75    | 100 | 92.8       | 92.5  | 91.8  | 90.8  | 89    | 85.5  | 84.6  | 83.3  | 84.8  | 78.4  | 72    | 68.7  |      |
| SCM 100-250/900  | 125x100 | 90    | 125 | 101.8      | 101.5 | 100.8 | 99.8  | 98    | 94.5  | 93.6  | 92.3  | 93.8  | 87.4  | 81    | 77.7  |      |
| SCM 100-315/750  | 125x100 | 75    | 100 | 81.4       | -     | -     | 79.6  | 77.7  | 74    | 73.6  | 72.8  | 74.3  | 71.7  | 68.3  | 64.2  |      |
| SCM 100-315/900  | 125x100 | 90    | 125 | 101.5      | -     | -     | 99.6  | 97.7  | 94    | 93.6  | 92.8  | 94.3  | 91.1  | 88.3  | 84.2  |      |
| SCM 100-315/1100 | 125x100 | 110   | 150 | 119.6      | -     | -     | 117.6 | 115.7 | 112   | 111.6 | 110.8 | 112.3 | 109.1 | 106.3 | 102.2 |      |
| SCM 100-315/1320 | 125x100 | 132   | 180 | 132        | -     | -     | 128.6 | 126.7 | 123   | 122.6 | 121.8 | 123.3 | 120.1 | 117.3 | 112.2 |      |
| SCM 125-200/450  | 150x125 | 45    | 60  | 40.6       | -     | -     | 40.4  | 40.2  | 39    | 39.5  | 38.9  | 40.4  | 37.9  | 35.3  | 34.2  |      |
| SCM 125-200/550  | 150x125 | 55    | 75  | 51.6       | -     | -     | 50.4  | 50.2  | 49    | 49.5  | 48.9  | 50.4  | 47.9  | 45.3  | 44.2  |      |
| SCM 125-200/750  | 150x125 | 75    | 100 | 63         | -     | -     | 61.4  | 61.2  | 60    | 60.5  | 59.9  | 61.4  | 58.9  | 56.3  | 55.2  |      |
| SCM 125-250/550  | 150x125 | 55    | 75  | 71         | -     | -     | 68    | 67    | 64    | 63.6  | 62    | 64    | 59.9  | 54.3  | 50.7  |      |
| SCM 125-250/750  | 150x125 | 75    | 100 | 82         | -     | -     | 77.6  | 76.5  | 74    | 73.6  | 72    | 73.5  | 70.4  | 67.3  | 65.2  |      |
| SCM 125-250/900  | 150x125 | 90    | 125 | 88         | -     | -     | 85    | 83.5  | 81    | 80.1  | 79    | 80.5  | 77.7  | 73.8  | 71.7  |      |





INSTALLATION DIMENSION

| Model               | Dimensions |     |     |     |     |     |     |     |     |     |      |      |    |
|---------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----|
|                     | DN1        | DN2 | a   | f   | h   | h1  | h2  | n   | n1  | n2  | w1   | w2   | s  |
| SCM32-125/7         | 50         | 32  | 80  | 435 | 255 | 114 | 141 | 202 | 140 | 190 | 35   | 35   | 15 |
| SCM 32-125/11       | 50         | 32  | 80  | 435 | 255 | 114 | 141 | 202 | 140 | 190 | 35   | 35   | 15 |
| SCM 32-160/15       | 50         | 32  | 83  | 435 | 295 | 133 | 162 | 245 | 190 | 245 | 35   | 35   | 15 |
| SCM 32-160/22       | 50         | 32  | 83  | 435 | 295 | 133 | 162 | 245 | 190 | 245 | 35   | 35   | 15 |
| SCM 32-160/30       | 50         | 32  | 83  | 470 | 295 | 133 | 162 | 245 | 190 | 245 | 35   | 35   | 15 |
| SCM 32-200/30       | 50         | 32  | 82  | 490 | 342 | 161 | 181 | 265 | 190 | 240 | 35   | 35   | 15 |
| SCM 32-200/40       | 50         | 32  | 82  | 490 | 342 | 161 | 181 | 265 | 190 | 240 | 35   | 35   | 15 |
| SCM 32-250/55-75    | 50         | 32  | 88  | 590 | 405 | 186 | 219 | 333 | 250 | 328 | 50   | 50   | 16 |
| SCM 32-250/92       | 50         | 32  | 88  | 590 | 405 | 186 | 219 | 333 | 250 | 328 | 50   | 50   | 16 |
| SCM 32-250/110      | 50         | 32  | 88  | 590 | 405 | 186 | 219 | 333 | 250 | 328 | 50   | 50   | 16 |
| SCM32-250/55D-75D   | 50         | 32  | 160 | 610 | 362 | 162 | 200 | 330 | 216 | 280 | 37.5 | 37.5 | 14 |
| SCM 40-125/11       | 65         | 40  | 82  | 440 | 260 | 116 | 144 | 220 | 160 | 212 | 37.5 | 37.5 | 15 |
| SCM 40-125/15       | 65         | 40  | 82  | 440 | 260 | 116 | 144 | 220 | 160 | 212 | 37.5 | 37.5 | 15 |
| SCM 40-125/22       | 65         | 40  | 82  | 440 | 260 | 116 | 144 | 220 | 160 | 212 | 37.5 | 37.5 | 15 |
| SCM40-160/30        | 65         | 40  | 80  | 490 | 305 | 135 | 170 | 250 | 190 | 241 | 37.5 | 37.5 | 15 |
| SCM40-160/40        | 65         | 40  | 80  | 490 | 305 | 135 | 170 | 250 | 190 | 241 | 37.5 | 37.5 | 15 |
| SCM 40-200/55-75    | 65         | 40  | 102 | 560 | 345 | 162 | 183 | 282 | 214 | 267 | 37.5 | 37.5 | 15 |
| SCM40-250/92        | 65         | 40  | 94  | 712 | 415 | 186 | 229 | 327 | 250 | 327 | 50   | 50   | 15 |
| SCM40-250/110       | 65         | 40  | 94  | 712 | 415 | 186 | 229 | 327 | 250 | 327 | 50   | 50   | 15 |
| SCM 40-250/150      | 65         | 40  | 94  | 712 | 415 | 186 | 229 | 327 | 250 | 327 | 50   | 50   | 15 |
| SCM 50-125/22       | 65         | 50  | 102 | 525 | 305 | 135 | 170 | 263 | 190 | 245 | 37.5 | 37.5 | 15 |
| SCM 50-125/30       | 65         | 50  | 102 | 525 | 305 | 135 | 170 | 263 | 190 | 245 | 37.5 | 37.5 | 15 |
| SCM 50-125/40       | 65         | 50  | 102 | 525 | 305 | 135 | 170 | 263 | 190 | 245 | 37.5 | 37.5 | 15 |
| SCM 50-160/55-75    | 65         | 50  | 110 | 560 | 348 | 164 | 184 | 270 | 212 | 262 | 37.5 | 37.5 | 15 |
| SCM50-200/92        | 65         | 50  | 104 | 722 | 392 | 186 | 206 | 307 | 232 | 310 | 37.5 | 37.5 | 15 |
| SCM 50-200/110      | 65         | 50  | 104 | 722 | 392 | 186 | 206 | 307 | 232 | 310 | 37.5 | 37.5 | 15 |
| SCM50-200/150       | 65         | 50  | 104 | 722 | 392 | 186 | 206 | 307 | 232 | 310 | 37.5 | 37.5 | 15 |
| SCM 50-250/150-220  | 65         | 50  | 102 | 720 | 416 | 186 | 230 | 330 | 250 | 327 | 50   | 50   | 15 |
| SCM 65-125/40       | 80         | 65  | 104 | 580 | 345 | 162 | 183 | 275 | 212 | 280 | 50   | 50   | 15 |
| SCM 65-125/55-75    | 80         | 65  | 104 | 580 | 345 | 162 | 183 | 275 | 212 | 280 | 50   | 50   | 15 |
| SCM 65-160/92       | 80         | 65  | 110 | 730 | 425 | 186 | 239 | 330 | 232 | 309 | 50   | 50   | 15 |
| SCM 65-160/110      | 80         | 65  | 110 | 730 | 425 | 186 | 239 | 330 | 232 | 309 | 50   | 50   | 15 |
| SCM65-160/150       | 80         | 65  | 110 | 730 | 425 | 186 | 239 | 330 | 232 | 309 | 50   | 50   | 15 |
| SCM65-200/150-220   | 80         | 65  | 111 | 740 | 425 | 186 | 239 | 330 | 232 | 309 | 50   | 50   | 15 |
| SCM 80-125/40       | 100        | 80  | 117 | 750 | 357 | 163 | 194 | 330 | 212 | 280 | 50   | 50   | 15 |
| SCM 80-125/55-75    | 100        | 80  | 117 | 750 | 357 | 163 | 194 | 330 | 212 | 280 | 50   | 50   | 15 |
| SCM 80-160/110      | 100        | 80  | 88  | 750 | 435 | 186 | 249 | 330 | 255 | 332 | 50   | 50   | 15 |
| SCM 80-160/150-185  | 100        | 80  | 88  | 750 | 435 | 186 | 249 | 330 | 255 | 332 | 50   | 50   | 15 |
| SCM 100-160/150-220 | 125        | 100 | 100 | 765 | 435 | 186 | 249 | 345 | 262 | 340 | 50   | 50   | 16 |

| Model            | DN1 | DN2 | a   | f    | h   | h1  | h2  | n   | n   | n1  | n1' | n2  | b   | w   | m  | s1 | s1' |
|------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|
| SCM 65-250/220   | 80  | 65  | 116 | 870  | 420 | 180 | 420 | 369 | 280 | 279 | 360 | 120 | 237 | 241 | 18 | 15 |     |
| SCM 65-250/300   | 80  | 65  | 116 | 990  | 420 | 180 | 420 | 369 | 280 | 318 | 360 | 120 | 278 | 305 | 18 | 18 |     |
| SCM 65-250/370   | 80  | 65  | 116 | 990  | 420 | 180 | 420 | 369 | 280 | 318 | 360 | 120 | 278 | 305 | 18 | 18 |     |
| SCM65-315/450    | 80  | 65  | 125 | 1069 | 505 | 225 | 505 | 440 | 280 | 356 | 360 | 120 | 324 | 311 | 18 | 18 |     |
| SCM 65-315/550   | 80  | 65  | 125 | 1160 | 505 | 225 | 505 | 440 | 280 | 406 | 360 | 120 | 373 | 349 | 18 | 24 |     |
| SCM 65-315/750   | 80  | 65  | 125 | 1232 | 505 | 225 | 505 | 440 | 280 | 457 | 360 | 120 | 395 | 368 | 18 | 24 |     |
| SCM65-315/900    | 80  | 65  | 125 | 1283 | 505 | 225 | 505 | 440 | 280 | 457 | 360 | 120 | 395 | 419 | 18 | 24 |     |
| SCM 80-200/220   | 100 | 80  | 125 | 880  | 460 | 250 | 460 | 360 | 280 | 279 | 345 | 95  | 251 | 241 | 14 | 15 |     |
| SCM 80-200/300   | 100 | 80  | 125 | 950  | 460 | 250 | 460 | 360 | 280 | 318 | 345 | 95  | 242 | 305 | 14 | 18 |     |
| SCM 80-250/370   | 100 | 80  | 125 | 950  | 535 | 250 | 535 | 410 | 315 | 318 | 400 | 120 | 229 | 305 | 18 | 18 |     |
| SCM 80-250/450   | 100 | 80  | 125 | 980  | 535 | 250 | 535 | 410 | 315 | 356 | 400 | 120 | 235 | 311 | 18 | 18 |     |
| SCM 80-250/550   | 100 | 80  | 125 | 1160 | 535 | 250 | 535 | 410 | 315 | 406 | 400 | 120 | 373 | 349 | 18 | 24 |     |
| SCM 80-315/450   | 100 | 80  | 125 | 1069 | 565 | 250 | 565 | 452 | 315 | 356 | 400 | 120 | 324 | 311 | 18 | 18 |     |
| SCM 80-315/550   | 100 | 80  | 125 | 1160 | 565 | 250 | 565 | 452 | 315 | 406 | 400 | 120 | 373 | 349 | 18 | 24 |     |
| SCM 80-315/750   | 100 | 80  | 125 | 1232 | 565 | 250 | 565 | 452 | 315 | 457 | 400 | 120 | 395 | 368 | 18 | 24 |     |
| SCM 80-315/900   | 100 | 80  | 125 | 1283 | 565 | 250 | 565 | 452 | 315 | 457 | 400 | 120 | 395 | 419 | 18 | 24 |     |
| SCM 100-200/220  | 125 | 100 | 125 | 910  | 530 | 225 | 530 | 422 | 280 | 279 | 360 | 120 | 268 | 241 | 18 | 15 |     |
| SCM100-200/300   | 125 | 100 | 125 | 1025 | 530 | 225 | 530 | 422 | 280 | 318 | 360 | 120 | 304 | 305 | 18 | 18 |     |
| SCM 100-200/370  | 125 | 100 | 125 | 1025 | 530 | 225 | 530 | 422 | 280 | 318 | 360 | 120 | 304 | 305 | 18 | 18 |     |
| SCM 100-250/450  | 125 | 100 | 140 | 1000 | 580 | 250 | 580 | 450 | 315 | 356 | 400 | 120 | 240 | 311 | 18 | 18 |     |
| SCM 100-250/550  | 125 | 100 | 140 | 1180 | 580 | 250 | 580 | 450 | 315 | 406 | 400 | 120 | 378 | 349 | 18 | 24 |     |
| SCM 100-250/750  | 125 | 100 | 140 | 1250 | 580 | 250 | 580 | 450 | 315 | 457 | 400 | 120 | 398 | 368 | 18 | 24 |     |
| SCM100-250/900   | 125 | 100 | 140 | 1300 | 580 | 250 | 580 | 422 | 315 | 457 | 400 | 120 | 397 | 419 | 18 | 24 |     |
| SCM 100-315/750  | 125 | 100 | 140 | 1262 | 625 | 250 | 625 | 480 | 315 | 457 | 400 | 120 | 410 | 368 | 19 | 24 |     |
| SCM 100-315/900  | 125 | 100 | 140 | 1313 | 625 | 250 | 625 | 480 | 315 | 457 | 400 | 120 | 410 | 419 | 19 | 24 |     |
| SCM 100-315/1100 | 125 | 100 | 140 | 1474 | 625 | 250 | 625 | 480 | 315 | 508 | 400 | 120 | 436 | 406 | 19 | 28 |     |
| SCM 100-315/1320 | 125 | 100 | 140 | 1584 | 625 | 250 | 625 | 480 | 315 | 508 | 400 | 120 | 436 | 457 | 19 | 28 |     |
| SCM 125-200/450  | 150 | 125 | 140 | 1099 | 565 | 250 | 565 | 422 | 315 | 356 | 400 | 120 | 339 | 311 | 19 | 18 |     |
| SCM 125-200/550  | 150 | 125 | 140 | 1190 | 565 | 250 | 565 | 422 | 315 | 406 | 400 | 120 | 388 | 349 | 19 | 24 |     |
| SCM 125-200/750  | 150 | 125 | 140 | 1262 | 565 | 250 | 565 | 422 | 315 | 457 | 400 | 120 | 410 | 368 | 19 | 24 |     |
| SCM 125-250/550  | 150 | 125 | 140 | 1190 | 605 | 250 | 605 | 500 | 315 | 406 | 400 | 120 | 388 | 349 | 19 | 24 |     |
| SCM 125-250/750  | 150 | 125 | 140 | 1262 | 605 | 250 | 605 | 500 | 315 | 457 | 400 | 120 | 410 | 368 | 19 | 24 |     |
| SCM 125-250/900  | 150 | 125 | 140 | 1313 | 605 | 250 | 605 | 500 | 315 | 457 | 400 | 120 | 410 | 419 | 19 | 24 |     |

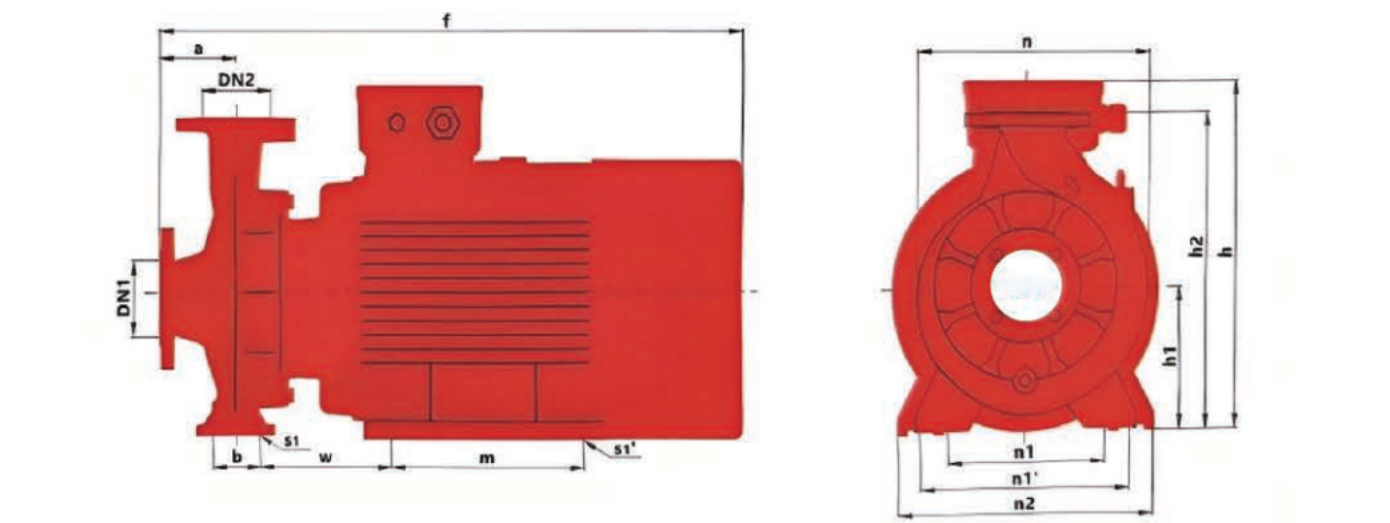


TECHNICAL DATA

50Hz/60Hz n=1450/1750 l/min

| MODEL            | DN      | Power |     | Q=DELIVERY |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------|---------|-------|-----|------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                  |         |       |     | gpm 0      | 198  | 220  | 264  | 317  | 370  | 396  | 423  | 476  | 617  | 661  | 881  | 1101 |
|                  |         |       |     | l/min 0    | 750  | 833  | 1000 | 1200 | 1400 | 1500 | 1600 | 1800 | 2333 | 2500 | 3333 | 4167 |
|                  |         |       |     | m³/h 0     | 45   | 50   | 60   | 72   | 84   | 90   | 96   | 108  | 140  | 150  | 200  | 250  |
| SCM4 100-200/40  | 125x100 | 4     | 5.5 | 12         | 11.8 | 11.7 | 11.4 | 11   | 10.5 | 10.3 | 9.7  | 9.1  | 6.8  | 5.9  | -    | -    |
| SCM4 100-200/55  | 125x100 | 5.5   | 7.5 | 13.5       | 13.3 | 13.3 | 13   | 12.7 | 12.4 | 12.3 | 12   | 11.5 | 9.6  | 8.8  | 5.7  | -    |
| SCM4 100-200/75  | 125x100 | 7.5   | 10  | 15         | 14.8 | 14.8 | 14.5 | 14.2 | 14.2 | 13.9 | 13.5 | 13   | 11.1 | 10.3 | 7.2  | -    |
| SCM4 100-250/55  | 125x100 | 5.5   | 7.5 | 16.1       | 15.9 | 15.8 | 15.5 | 14.9 | 14.9 | 14.4 | 13.4 | 12.5 | 9.2  | 7.9  | -    | -    |
| SCM4 100-250/75  | 125x100 | 7.5   | 10  | 19.7       | 19.6 | 19.5 | 19.2 | 18.8 | 18.8 | 18.3 | 17.6 | 16.9 | 14   | 12.7 | -    | -    |
| SCM4 100-250/110 | 125x100 | 11    | 15  | 24.5       | 24.4 | 24.3 | 24.1 | 23.7 | 23.7 | 23.3 | 22.7 | 22.1 | 19.7 | 18.6 | 11.4 | -    |
| SCM4 100-250/150 | 125x100 | 15    | 20  | 28.1       | 27.9 | 27.8 | 27.6 | 27.2 | 27.2 | 26.8 | 26.2 | 25.6 | 23.2 | 22.1 | 14.9 | -    |
| SCM4 100-315/150 | 125x100 | 15    | 20  | 28.3       | -    | 28   | 27.7 | 27.3 | 27.3 | 26.9 | 26.2 | 25.6 | 23.1 | 22.1 | 14.9 | -    |
| SCM4 100-315/185 | 125x100 | 18.5  | 25  | 31.3       | -    | 30.9 | 30.7 | 30.3 | 30.3 | 29.9 | 29.2 | 28.6 | 26.1 | 25.1 | 17.9 | -    |
| SCM4 100-315/220 | 125x100 | 22    | 30  | 35.3       | -    | 34.5 | 34.3 | 33.9 | 33.9 | 33.5 | 32.8 | 32.2 | 30   | 29   | 24   | 17.3 |
| SCM4 100-315/300 | 125x100 | 30    | 40  | 37.4       | -    | 36.9 | 36.8 | 36.5 | 36.5 | 36.1 | 35.5 | 35.1 | 33.2 | 32.4 | 28   | 21.3 |
| SCM4 100-400/300 | 125x100 | 30    | 40  | 46.8       | -    | -    | 46.2 | 46   | 46   | 46   | 45   | 44   | 42   | 40   | 29.6 | -    |
| SCM4 100-400/370 | 125x100 | 37    | 50  | 52.2       | -    | -    | 51.3 | 51.2 | 51.2 | 51.1 | 50.5 | 49.5 | 47.5 | 46   | 37.3 | -    |

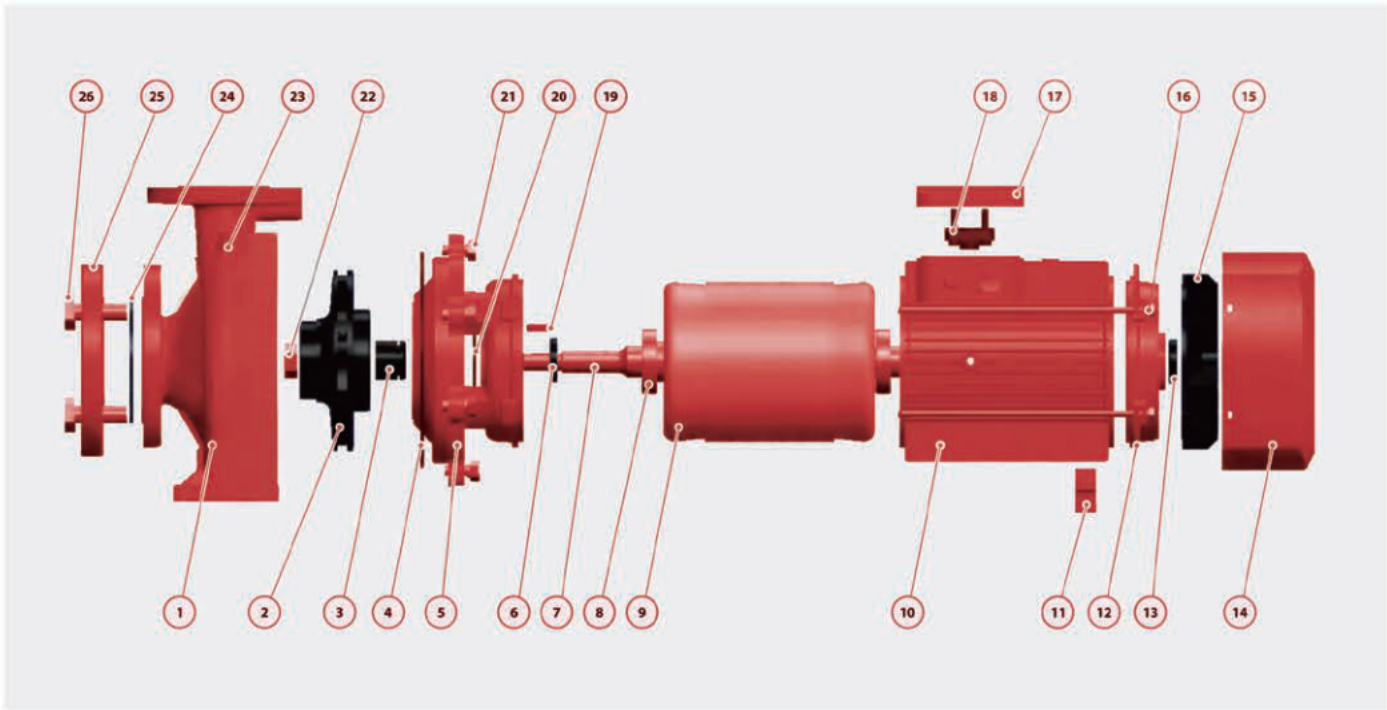
| MODEL            | DN      | Power |     | Q=DELIVERY |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------|---------|-------|-----|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                  |         |       |     | gpm 0      | 132  | 154  | 176  | 220  | 264  | 396  | 441  | 485  | 617  | 661  | 881  | 1101 | 1322 | 1762 |
|                  |         |       |     | l/min 0    | 500  | 833  | 667  | 833  | 1000 | 1500 | 1667 | 1833 | 2333 | 2500 | 3333 | 4167 | 5000 | 6667 |
|                  |         |       |     | m³/h 0     | 30   | 35   | 40   | 50   | 60   | 90   | 100  | 110  | 140  | 150  | 200  | 250  | 300  | 400  |
| SCM4 125-200/55  | 150x125 | 5.5   | 7.5 | 11.4       | 11.1 | 11.1 | 11   | 10.9 | 10.8 | 10.2 | 10   | 9.7  | 8.9  | 8.6  | 6.9  | -    | -    | -    |
| SCM4 125-200/75  | 150x125 | 7.5   | 10  | 14.2       | 14   | 13.9 | 13.8 | 13.7 | 13.6 | 13.1 | 12.9 | 12.7 | 11.9 | 11.6 | 9.6  | -    | -    | -    |
| SCM4 125-200/110 | 150x125 | 11    | 15  | 18.2       | 18   | 17.9 | 17.8 | 17.7 | 17.6 | 17.1 | 16.9 | 16.7 | 15.9 | 15.6 | 13.6 | 9.8  | -    | -    |
| SCM4 125-250/75  | 150x125 | 7.5   | 10  | 15.5       | -    | -    | -    | -    | 15.3 | 15   | 14.8 | 14.6 | 13.6 | 13.1 | -    | -    | -    | -    |
| SCM4 125-250/110 | 150x125 | 11    | 15  | 19.5       | -    | -    | -    | -    | 19.3 | 19.1 | 19   | 18.9 | 18.1 | 17.8 | 15.3 | 11.7 | -    | -    |
| SCM4 125-250/150 | 150x125 | 15    | 20  | 23.4       | -    | -    | -    | -    | 23.3 | 23.1 | 23   | 22.9 | 22   | 22   | 19.8 | 16.5 | 12.3 | -    |
| SCM4 125-250/185 | 150x125 | 18.5  | 25  | 25.8       | -    | -    | -    | -    | 25.6 | 25.5 | 25.4 | 25.3 | 24.9 | 24.7 | 23.4 | 20.3 | 16.5 | -    |
| SCM4 125-315/185 | 150x125 | 18.5  | 25  | 27.5       | -    | -    | -    | -    | -    | -    | 26.9 | 26.7 | 25.9 | 25.6 | 24   | 19.7 | 14.9 | -    |
| SCM4 125-315/220 | 150x125 | 22    | 30  | 30.3       | -    | -    | -    | -    | -    | -    | 29.7 | 29.6 | 28.9 | 28.6 | 26.6 | 23.2 | 18.4 | -    |
| SCM4 125-315/300 | 150x125 | 30    | 40  | 35.9       | -    | -    | -    | -    | -    | -    | 35.4 | 35.3 | 34.8 | 34.6 | 33   | 30.1 | 26.1 | -    |
| SCM4 150-200/110 | 200x150 | 11    | 15  | 14.1       | -    | -    | -    | -    | -    | -    | 13.5 | 13.4 | 13.3 | 13.1 | 13   | 11.7 | 7.8  | -    |
| SCM4 150-200/150 | 200x150 | 15    | 20  | 16.4       | -    | -    | -    | -    | -    | -    | 15.5 | 15.3 | 15.2 | 14.8 | 14.5 | 13.5 | 11.1 | -    |
| SCM4 150-200/185 | 200x150 | 18.5  | 25  | 18.4       | -    | -    | -    | -    | -    | -    | 17.5 | 17.3 | 17.2 | 16.8 | 16.3 | 15.7 | 13.1 | 10   |
| SCM4 150-250/150 | 200x150 | 15    | 20  | 17.6       | -    | -    | -    | -    | -    | -    | -    | -    | 16.8 | 15.9 | 15   | 13.2 | 9.2  | -    |
| SCM4 150-250/185 | 200x150 | 18.5  | 25  | 21.5       | -    | -    | -    | -    | -    | -    | -    | -    | 20.8 | 20   | 18.9 | 17.7 | 13.8 | 8.7  |
| SCM4 150-250/220 | 200x150 | 22    | 30  | 24.2       | -    | -    | -    | -    | -    | -    | -    | -    | 23.6 | 23   | 22   | 21   | 17.1 | 12   |
| SCM4 150-250/300 | 200x150 | 30    | 40  | 25.7       | -    | -    | -    | -    | -    | -    | -    | -    | 25   | 24.5 | 23.5 | 23   | 18.8 | 13.8 |
| SCM4 150-315/370 | 200x150 | 37    | 50  | 33.9       | -    | -    | -    | -    | -    | -    | -    | -    | 33.5 | 32.7 | 31.7 | 31   | 26.7 | 21.4 |
| SCM4 150-315/450 | 200x150 | 45    | 60  | 38         | -    | -    | -    | -    | -    | -    | -    | -    | 37.6 | 36.9 | 35.9 | 35   | 31.3 | 26.5 |
| SCM4 150-315/550 | 200x150 | 55    | 75  | 40.3       | -    | -    | -    | -    | -    | -    | -    | -    | 40   | 39.3 | 38.4 | 37.5 | 33.9 | 29.4 |
| SCM4 150-400/550 | 200x150 | 55    | 75  | 48.7       | -    | -    | -    | -    | -    | -    | -    | -    | 47.7 | 48   | 46   | 45   | 42.5 | 36.8 |
| SCM4 150-400/750 | 200x150 | 75    | 100 | 55.9       | -    | -    | -    | -    | -    | -    | -    | -    | 55   | 55   | 54   | 53   | 51   | 48   |
| SCM4 150-400/900 | 200x150 | 90    | 125 | 60         | -    | -    | -    | -    | -    | -    | -    | -    | 59   | 59   | 58   | 57   | 56   | 53   |



| Model                | DN1 | DN2 | a   | f    | h   | h1  | h2  | n   | n1  | n1' | n2  | b   | w   | m   | s1 | s1' |
|----------------------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| SCM4 100-200/40      | 125 | 100 | 125 | 644  | 530 | 225 | 530 | 422 | 280 | 190 | 360 | 120 | 195 | 140 | 18 | 12  |
| SCM4 100-200/55-75   | 125 | 100 | 125 | 688  | 530 | 225 | 530 | 422 | 280 | 216 | 360 | 120 | 234 | 140 | 18 | 12  |
| SCM4 100-250/55-75   | 125 | 100 | 140 | 688  | 580 | 250 | 580 | 450 | 315 | 216 | 400 | 120 | 219 | 140 | 18 | 12  |
| SCM4 100-250/110-150 | 125 | 100 | 140 | 858  | 580 | 250 | 580 | 450 | 315 | 254 | 400 | 120 | 268 | 210 | 18 | 15  |
| SCM4 100-315/150     | 125 | 100 | 140 | 888  | 625 | 250 | 625 | 480 | 315 | 254 | 400 | 120 | 298 | 210 | 19 | 15  |
| SCM4 100-315/185     | 125 | 100 | 140 | 932  | 625 | 250 | 625 | 480 | 315 | 254 | 400 | 120 | 298 | 254 | 19 | 15  |
| SCM4 100-315/220     | 125 | 100 | 140 | 968  | 625 | 250 | 625 | 480 | 315 | 279 | 400 | 120 | 311 | 241 | 19 | 15  |
| SCM4 100-315/300     | 125 | 100 | 140 | 1059 | 625 | 250 | 625 | 480 | 315 | 318 | 400 | 120 | 323 | 305 | 19 | 18  |
| SCM4 100-400/300-370 | 125 | 100 | 140 | 1059 | 655 | 280 | 655 | 548 | 400 | 318 | 500 | 150 | 308 | 305 | 23 | 18  |
| SCM4 100-400/450     | 125 | 100 | 140 | 1099 | 655 | 280 | 655 | 548 | 400 | 356 | 500 | 150 | 324 | 311 | 23 | 18  |
| SCM4 125-200/55-75   | 150 | 125 | 140 | 718  | 565 | 250 | 565 | 422 | 315 | 216 | 400 | 120 | 249 | 140 | 19 | 12  |
| SCM4 125-200/110     | 150 | 125 | 140 | 888  | 565 | 250 | 565 | 422 | 315 | 254 | 400 | 120 | 298 | 210 | 19 | 15  |
| SCM4 125-250/75      | 150 | 125 | 140 | 718  | 605 | 250 | 605 | 500 | 315 | 216 | 400 | 120 | 249 | 140 | 19 | 12  |
| SCM4 125-250/110-150 | 150 | 125 | 140 | 888  | 605 | 250 | 605 | 500 | 315 | 254 | 400 | 120 | 298 | 210 | 19 | 15  |
| SCM4 125-250/185     | 150 | 125 | 140 | 932  | 605 | 250 | 605 | 500 | 315 | 254 | 400 | 120 | 298 | 254 | 19 | 15  |
| SCM4 125-315/185     | 150 | 125 | 140 | 932  | 635 | 280 | 635 | 525 | 400 | 254 | 500 | 150 | 283 | 254 | 23 | 15  |
| SCM4 125-315/220     | 150 | 125 | 140 | 968  | 635 | 280 | 635 | 525 | 400 | 279 | 500 | 150 | 296 | 241 | 23 | 15  |
| SCM4 125-315/300-370 | 150 | 125 | 140 | 1059 | 635 | 280 | 635 | 525 | 400 | 318 | 500 | 150 | 308 | 305 | 23 | 18  |
| SCM4 150-200/110-150 | 200 | 150 | 160 | 928  | 680 | 280 | 680 | 435 | 450 | 254 | 550 | 150 | 303 | 210 | 23 | 15  |
| SCM4 150-200/185     | 200 | 150 | 160 | 972  | 680 | 280 | 680 | 435 | 450 | 254 | 550 | 150 | 303 | 254 | 23 | 15  |
| SCM4 150-200/220     | 200 | 150 | 160 | 1008 | 680 | 280 | 680 | 435 | 450 | 279 | 550 | 150 | 316 | 241 | 23 | 15  |
| SCM4 150-250/150     | 200 | 150 | 160 | 928  | 715 | 280 | 715 | 510 | 450 | 254 | 550 | 150 | 303 | 210 | 23 | 15  |
| SCM4 150-250/185     | 200 | 150 | 160 | 972  | 715 | 280 | 715 | 510 | 450 | 254 | 550 | 150 | 303 | 254 | 23 | 15  |
| SCM4 150-250/300     | 200 | 150 | 160 | 1099 | 715 | 280 | 715 | 510 | 450 | 318 | 550 | 150 | 328 | 305 | 23 | 18  |
| SCM4 150-315/370     | 200 | 150 | 160 | 1099 | 740 | 280 | 740 | 548 | 450 | 318 | 550 | 150 | 328 | 305 | 23 | 18  |
| SCM4 150-315/450     | 200 | 150 | 160 | 1139 | 740 | 280 | 740 | 548 | 450 | 356 | 550 | 150 | 344 | 311 | 23 | 18  |
| SCM4 150-315/550     | 200 | 150 | 160 | 1230 | 740 | 280 | 740 | 548 | 450 | 406 | 550 | 150 | 393 | 349 | 23 | 24  |
| SCM4 150-400/550     | 200 | 150 | 160 | 1230 | 765 | 315 | 765 | 623 | 450 | 406 | 550 | 150 | 393 | 349 | 23 | 24  |
| SCM4 150-400/750     | 200 | 150 | 160 | 1302 | 765 | 315 | 765 | 623 | 450 | 457 | 550 | 150 | 415 | 368 | 23 | 24  |
| SCM4 150-400/900     | 200 | 150 | 160 | 1353 | 765 | 315 | 765 | 623 | 450 | 457 | 550 | 150 | 415 | 419 | 23 | 24  |



MATERIAL DESCRIPTION



| No. | Description        | Material             |
|-----|--------------------|----------------------|
| 1   | Pump Case          | Cast iron            |
| 2   | Impeller           | SS304/Cast iron      |
| 3   | Mechanical Seal    | SiC/Carbon/SS304     |
| 4   | O-ring             | Rubber               |
| 5   | Connection         | Cast iron            |
| 6   | Reinforced Seal    | Rubber               |
| 7   | Shaft              | SS304/45# Steel      |
| 8   | Bearing            | Ball Bearing         |
| 9   | Wound Stator/Rotor | Silicon Steel/Copper |
| 10  | Motor Case         | Aluminum             |
| 11  | Support Foot       | Plastic              |
| 12  | Back Cover         | Cast iron            |
| 13  | Reinforced Seal    | Rubber               |

| No. | Description     | Material             |
|-----|-----------------|----------------------|
| 14  | Fan Cover       | Aluminum             |
| 15  | Fan             | Plastic              |
| 16  | Through Bolt    | Steel                |
| 17  | Terminal Box    | Aluminum             |
| 18  | Terminal Board  | Plastic              |
| 19  | Impeller Key    | Iron                 |
| 20  | Water Deflector | Rubber               |
| 21  | Connection Bolt | Steel                |
| 22  | Impeller Nut    | Galvanized Steel     |
| 23  | Release Valve   | Brass                |
| 24  | Gasket          | Rubber               |
| 25  | Counter Flange  | Galvanized Cast iron |
| 26  | Flange Bolt     | Steel                |

# VATTURE

## SS END SUCTION CENTRIFUGAL PUMP





## BRIEF INTRODUCTION

## DESCRIPTION

- ◆ Complete range with a full series of end suction pumps
- ◆ Outstanding reliability for operation in any application
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Pump case with anti-corrosive coating
- ◆ Customize casting logo on the bearing house as request
- ◆ Quality NSK bearing, wear resistance mechanical seal

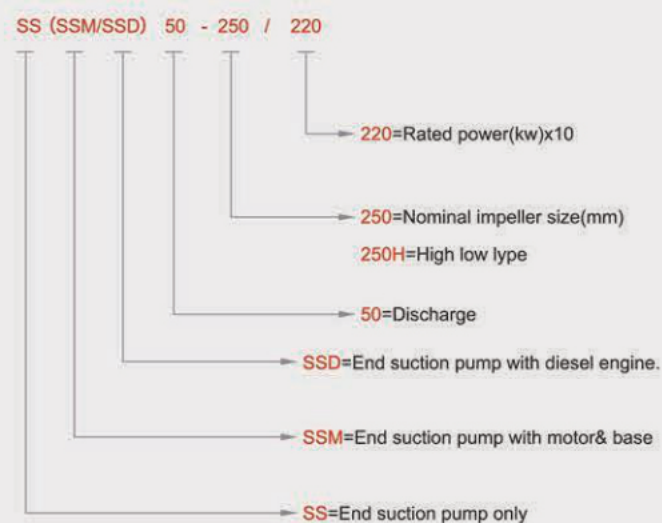
## APPLICATIONS

The impressive range end-suction pumps is compatible with an array of application areas, including water intake, heating, industrial pressure boosting, industrial liquid transfer, air-conditioning, district cooling, irrigation, fire fighting and many more.

## USING LIMITS

- ◆ Liquid temperature between - 10°C and + 120°C
- ◆ Ambient temperature between - 10°C and + 50°C
- ◆ Max. working pressure 20 bar
- ◆ Continuous service S1

## MODEL CODE



## TECHNICAL SHEET

|            |                                    |
|------------|------------------------------------|
| Model      | SS(SSM/SSD))                       |
| Capacity   | 0-1000m <sup>3</sup> /h            |
| Head       | 0-164 m                            |
| DN         | 32-150 mm                          |
| Speed      | 2900/3500 rpm                      |
| T max      | 120 °C                             |
| Power      | 1.5-315 kW                         |
| Casing     | Grey cast iron                     |
| Impeller   | Cast iron/AISI 304/ Brass          |
| Shaft      | 45# steel/AISI 304                 |
| Shaft seal | Mechanical Seal                    |
| Bearing    | Grease lubrication rolling bearing |

## TECHNICAL DATA

50 Hz/60Hz n=2900/3500 l/min

| MODEL         | DN<br><br>mm | Implr<br>Φ<br><br>mm | Power<br><br>kw   hp |           | Q=DELIVERY |      |      |      |      |      |      |      |      |      |       |       |       |       |       |      |      |      |      |      |
|---------------|--------------|----------------------|----------------------|-----------|------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|
|               |              |                      |                      |           | us<br>gpm  | 0    | 26   | 40   | 66   | 79   | 106  | 119  | 159  | 185  | 211   | 238   | 317   | 370   | 396   | 476  | 529  | 608  | 793  | 925  |
|               |              |                      |                      |           | l/min      | 0    | 100  | 150  | 250  | 300  | 400  | 450  | 600  | 700  | 800   | 900   | 1200  | 1400  | 1500  | 1800 | 2000 | 2300 | 3000 | 3500 |
|               |              |                      |                      |           | m³/h       | 0    | 6    | 9    | 15   | 18   | 24   | 27   | 36   | 42   | 48    | 54    | 72    | 84    | 90    | 108  | 120  | 138  | 180  | 210  |
|               |              |                      |                      | H=Head(m) |            |      |      |      |      |      |      |      |      |      |       |       |       |       |       |      |      |      |      |      |
| SS 32-160/15  | 50x32        | 142                  | 1.5                  | 2         | 25.4       | 23.7 | 22.5 | 18.5 | 15.8 | -    | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-160/22  | 50x32        | 158                  | 2.2                  | 3         | 31         | 29.6 | 28.5 | 24.5 | 22   | 15   | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-160/30  | 50x32        | 168                  | 3                    | 4         | 35         | 34.3 | 32.5 | 28   | 25.5 | 19   | 15   | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-200/30  | 50x32        | 190                  | 3                    | 4         | 44.2       | 42   | 39.8 | 35.2 | 32.2 | 24.6 | 19.8 | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-200/40  | 50x32        | 204                  | 4                    | 5.5       | 54.5       | 52   | 50   | 45.5 | 42.3 | 35   | 30.3 | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-250/55  | 50x32        | 208                  | 5.5                  | 7.5       | 60         | 59.5 | 59   | 55   | 50.2 | 34.5 | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-250/75  | 50x32        | 230                  | 7.5                  | 10        | 69.5       | 69   | 68.5 | 66   | 63   | 53   | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-250/92  | 50x32        | 237                  | 9.2                  | 12.5      | 75         | 75   | 74.5 | 72   | 69   | 59   | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-250/110 | 50x32        | 250                  | 11                   | 15        | 90         | 89.5 | 88   | 82   | 78   | 66   | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 32-250/150 | 50x32        | 258                  | 15                   | 20        | 97         | 96.5 | 96   | 90   | 86   | 73   | -    | -    | -    | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-160/30  | 65x40        | 160                  | 3                    | 4         | 31.8       | -    | -    | -    | 29.5 | 27.5 | 26.3 | 21.5 | 17.5 | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-160/40  | 65x40        | 170                  | 4                    | 5.5       | 38         | -    | -    | -    | 36   | 34   | 33   | 28.5 | 25   | 20.1 | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-200/55  | 65x40        | 195                  | 5.5                  | 7.5       | 46         | -    | -    | -    | 43.8 | 41.3 | 40.1 | 35   | 30   | -    | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-200/75  | 65x40        | 209                  | 7.5                  | 10        | 57         | -    | -    | -    | 53.6 | 51.5 | 50   | 45   | 41   | 36.5 | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-250/92  | 65x40        | 224                  | 9.2                  | 12.5      | 64         | -    | -    | -    | 59   | 56.5 | 55   | 49.5 | 45   | 39.8 | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-250/110 | 65x40        | 230                  | 11                   | 15        | 72         | -    | -    | -    | 67.5 | 65   | 63.5 | 57.5 | 52.2 | 47   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-250/150 | 65x40        | 250                  | 15                   | 20        | 84.5       | -    | -    | -    | 79.3 | 77.3 | 75.2 | 70   | 66   | 61   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 40-250/185 | 65x40        | 258                  | 18.5                 | 25        | 90         | -    | -    | -    | 85.5 | 82.8 | 80.7 | 75.8 | 70.5 | 66.5 | -     | -     | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 50-125/22  | 65x50        | 123                  | 2.2                  | 3         | 17         | -    | -    | -    | -    | -    | -    | 15.4 | 14   | 12.8 | 11.5  | 6.5   | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 50-125/30  | 65x50        | 130                  | 3                    | 4         | 20         | -    | -    | -    | -    | -    | -    | 18.8 | 18   | 17   | 15.6  | 11    | -     | -     | -     | -    | -    | -    | -    | -    |
| SS 50-125/40  | 65x50        | 139                  | 4                    | 5.5       | 24         | -    | -    | -    | -    | -    | -    | 23.1 | 23   | 21.5 | 20.3  | 15.8  | 11.8  | -     | -     | -    | -    | -    | -    | -    |
| SS 50-160/55  | 65x50        | 158                  | 5.5                  | 7.5       | 32         | -    | -    | -    | -    | -    | -    | 30.6 | 30   | 28   | 26.6  | 20.5  | 14.8  | -     | -     | -    | -    | -    | -    | -    |
| SS 50-160/75  | 65x50        | 170                  | 7.5                  | 10        | 40         | -    | -    | -    | -    | -    | -    | 38   | 37   | 36   | 34.4  | 29    | 24    | 21    | -     | -    | -    | -    | -    | -    |
| SS 50-200/92  | 65x50        | 195                  | 9.2                  | 12.5      | 50.5       | -    | -    | -    | -    | -    | -    | 46.8 | 45   | 43   | 40.9  | 32.5  | 26.7  | -     | -     | -    | -    | -    | -    | -    |
| SS 50-200/110 | 65x50        | 204                  | 11                   | 15        | 57.5       | -    | -    | -    | -    | -    | -    | 53.5 | 52   | 50   | 47.5  | 40    | 34    | 29    | -     | -    | -    | -    | -    | -    |
| SS 50-200/150 | 65x50        | 209                  | 15                   | 20        | 62         | -    | -    | -    | -    | -    | -    | 58   | 56.5 | 54.5 | 52    | 44.5  | 39    | 35.5  | -     | -    | -    | -    | -    | -    |
| SS 50-250/150 | 65x50        | 228                  | 15                   | 20        | 68.5       | -    | -    | -    | -    | -    | -    | 64   | 63   | 61.5 | 59    | 50    | 41    | -     | -     | -    | -    | -    | -    | -    |
| SS 50-250/185 | 65x50        | 235                  | 18.5                 | 25        | 79         | -    | -    | -    | -    | -    | -    | 75.8 | 74.8 | 74   | 71.5  | 63.5  | 55.5  | 47    | -     | -    | -    | -    | -    | -    |
| SS 50-250/220 | 65x50        | 250                  | 22                   | 30        | 89.5       | -    | -    | -    | -    | -    | -    | 86   | 85.3 | 84   | 81.5  | 73.5  | 63.5  | 57    | -     | -    | -    | -    | -    | -    |
| SS 50-250/300 | 65x50        | 258                  | 30                   | 40        | 95.5       | -    | -    | -    | -    | -    | -    | 92   | 91.3 | 90   | 87.5  | 79.5  | 70    | 63    | -     | -    | -    | -    | -    | -    |
| SS 65-125/40  | 80x65        | 122                  | 4                    | 5.5       | 19         | -    | -    | -    | -    | -    | -    | -    | -    | 17.3 | 16.8  | 14.5  | 13    | 11.8  | -     | -    | -    | -    | -    | -    |
| SS 65-125/55  | 80x65        | 132                  | 5.5                  | 7.5       | 23         | -    | -    | -    | -    | -    | -    | -    | -    | 21.3 | 20.9  | 19    | 17.5  | 16.7  | 13.7  | -    | -    | -    | -    | -    |
| SS 65-125/75  | 80x65        | 142                  | 7.5                  | 10        | 27         | -    | -    | -    | -    | -    | -    | -    | -    | 26   | 25.6  | 24.5  | 23    | 22.5  | 20    | 18   | -    | -    | -    | -    |
| SS 65-160/92  | 80x65        | 155                  | 9.2                  | 12.5      | 33         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 31.5  | 30    | 28    | 27.1  | 24    | 21.5 | -    | -    | -    | -    |
| SS 65-160/110 | 80x65        | 164                  | 11                   | 15        | 36         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 34.5  | 33    | 31.5  | 30.8  | 28    | 25.5 | -    | -    | -    | -    |
| SS 65-160/150 | 80x65        | 183                  | 15                   | 20        | 42         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 41    | 40    | 38.5  | 37.8  | 35    | 33   | 29.5 | -    | -    | -    |
| SS 65-200/150 | 80x65        | 190                  | 15                   | 20        | 45         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 45.5  | 43    | 41    | 40.2  | 36.5  | 34   | -    | -    | -    | -    |
| SS 65-200/185 | 80x65        | 198                  | 18.5                 | 25        | 52         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 52.3  | 51    | 49    | 48.2  | 44.5  | 42   | -    | -    | -    | -    |
| SS 65-200/220 | 80x65        | 212                  | 22                   | 30        | 59         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 59.5  | 58    | 56    | 55    | 52    | 49.5 | 44.5 | -    | -    | -    |
| SS 65-250/220 | 80x65        | 225                  | 22                   | 30        | 64.8       | -    | -    | -    | -    | -    | -    | -    | -    | -    | 64.7  | 62    | 60    | 58.5  | 53    | 50   | -    | -    | -    | -    |
| SS 65-250/300 | 80x65        | 244                  | 30                   | 40        | 80         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 79.8  | 77.5  | 75.5  | 74.5  | 70    | 66   | 58   | -    | -    | -    |
| SS 65-250/370 | 80x65        | 258                  | 37                   | 50        | 92         | -    | -    | -    | -    | -    | -    | -    | -    | -    | 90.5  | 88.5  | 87    | 85    | 80.5  | 78   | 68   | -    | -    | -    |
| SS 65-315/450 | 80x65        | 262                  | 45                   | 60        | 102        | -    | -    | -    | -    | -    | -    | -    | -    | -    | 99.2  | 97    | 95    | 94.5  | 92.4  | 90   | 83   | -    | -    | -    |
| SS 65-315/550 | 80x65        | 290                  | 55                   | 75        | 122        | -    | -    | -    | -    | -    | -    | -    | -    | -    | 119.2 | 117.4 | 115.7 | 114.5 | 112.5 | 110  | 103  | 76   | -    | -    |
| SS 65-315/750 | 80x65        | 317                  | 75                   | 100       | 141        | -    | -    | -    | -    | -    | -    | -    | -    | -    | 139.8 | 137.3 | 135.6 | 134.5 | 132.5 | 130  | 122  | 96   | 65.5 | -    |
| SS 65-315/900 | 80x65        | 328                  | 90                   | 125       | 151        | -    | -    | -    | -    | -    | -    | -    | -    | -    | 149.8 | 147.3 | 145.6 | 144.5 | 142.5 | 140  | 132  | 106  | 75.5 | -    |
| SS 80-125/40  | 100x80       | 122                  | 4                    | 5.5       | 17         | -    | -    | -    | -    | -    | -    | -    | -    | 16.5 | 15.9  | 14.3  | 13.5  | 11.6  | 10    | 7.5  | -    | -    | -    | -    |
| SS 80-125/55  | 100x80       | 132                  | 5.5                  | 7.5       | 21         | -    | -    | -    | -    | -    | -    | -    | -    | 20.5 | 20    | 19    | 18    | 16.5  | 15    | 12.5 | 9.5  | -    | -    | -    |
| SS 80-125/75  | 100x80       | 142                  | 7.5                  | 10        | 26         | -    | -    | -    | -    | -    | -    | -    | -    | 25   | 25    | 24.5  | 23.8  | 22.5  | 21.5  | 19.5 | 16.5 | -    | -    | -    |

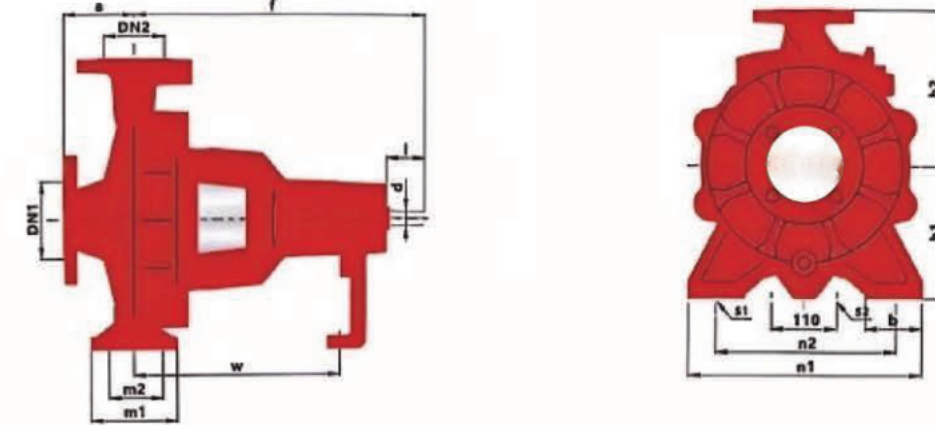
SSM/SSD also available



## TECHNICAL DATA

| MODEL            | DN      | Implr<br>Φ | Power |      | Q=DELIVERY |       |       |       |       |       |       |       |       |       |      |       |       |       |       |       |      |      |
|------------------|---------|------------|-------|------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|------|
|                  |         |            |       |      | us<br>gpm  | 0     | 264   | 396   | 529   | 634   | 793   | 881   | 925   | 969   | 1057 | 1233  | 1322  | 1586  | 1762  | 2203  | 2643 | 2907 |
|                  | l/min   | 0          | 1000  | 1500 | 2000       | 2400  | 3000  | 3333  | 3500  | 3667  | 4000  | 4667  | 5000  | 6000  | 6667 | 8333  | 10000 | 11000 | 13333 | 16667 |      |      |
|                  | m³/h    | 0          | 60    | 90   | 120        | 144   | 180   | 200   | 210   | 220   | 240   | 280   | 300   | 360   | 400  | 500   | 600   | 660   | 800   | 1000  |      |      |
|                  | mm      | mm         | kw    | hp   | H=Head(m)  |       |       |       |       |       |       |       |       |       |      |       |       |       |       |       |      |      |
| SS 80-160/110    | 100x80  | 160        | 11    | 15   | 28         | 27    | 27.3  | 24.5  | 21.1  | 16    | -     | -     | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-160/150    | 100x80  | 168        | 15    | 20   | 34         | 32.6  | 32.5  | 30.2  | 27    | 22.1  | 18.5  | 16.7  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-160/185    | 100x80  | 180        | 18.5  | 25   | 39         | 38.5  | 38    | 36.7  | 33.6  | 28.8  | 25.3  | 23.5  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-160/220    | 100x80  | 190        | 22    | 30   | 44         | 43.5  | 43    | 41.7  | 38.6  | 33.8  | 30.3  | 28.5  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-200/220    | 100x80  | 190        | 22    | 30   | 48         | 47.7  | 47.5  | 43.5  | 39.2  | 32.5  | 27.2  | 24.5  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-200/300    | 100x80  | 215        | 30    | 40   | 60         | 59.7  | 59.5  | 57    | 53.1  | 47    | 42.7  | 40.5  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-250/370    | 100x80  | 226        | 37    | 50   | 71.5       | 70.9  | 70.5  | 65.5  | 59.3  | 51    | 43.2  | 38.5  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-250/450    | 100x80  | 240        | 45    | 60   | 88         | 86.7  | 86    | 83.6  | 78.5  | 70.5  | 60    | 51    | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-250/550    | 100x80  | 258        | 55    | 75   | 94.5       | 94.5  | 94.5  | 91.8  | 87    | 79.5  | 72.1  | 68.3  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-250/750    | 100x80  | 276        | 75    | 100  | 108.5      | 108.5 | 108.5 | 105.8 | 101   | 93.5  | 86.1  | 82.3  | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-315/450    | 100x80  | 255        | 45    | 60   | 85         | 84    | 82.6  | 82    | 78    | 68.3  | 61    | 56    | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-315/550    | 100x80  | 270        | 55    | 75   | 98         | 97    | 95.6  | 95    | 91    | 81.3  | 74    | 69    | -     | -     | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-315/750    | 100x80  | 295        | 75    | 100  | 124        | 123   | 121.6 | 121   | 117   | 107.3 | 100   | 95    | 90    | 80.8  | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-315/900    | 100x80  | 320        | 90    | 125  | 144        | 143   | 141.6 | 141   | 137   | 127.3 | 120   | 115   | 110   | 100.8 | -    | -     | -     | -     | -     | -     | -    |      |
| SS 80-315/1100   | 100x80  | 328        | 110   | 150  | 153        | 152   | 150.6 | 150   | 146   | 136.3 | 129   | 124   | 119   | 109.8 | -    | -     | -     | -     | -     | -     | -    |      |
| SS 100-160/150   | 125x100 | 167        | 15    | 20   | 35         | 33.5  | 32.5  | 30    | 27.8  | 24.5  | 21.5  | 20    | 18.3  | 15    | -    | -     | -     | -     | -     | -     | -    |      |
| SS 100-160/185   | 125x100 | 176        | 18.5  | 25   | 38.5       | 37.5  | 36.5  | 34.3  | 32.2  | 29    | 25.7  | 24    | 22    | 18    | -    | -     | -     | -     | -     | -     | -    |      |
| SS 100-160/220   | 125x100 | 190        | 22    | 30   | 43         | 41    | 40    | 37.6  | 35.2  | 31.5  | 28.5  | 27    | 25.3  | 22    | -    | -     | -     | -     | -     | -     | -    |      |
| SS 100-200/220   | 125x100 | 185        | 22    | 30   | 38.5       | 36.7  | 35.7  | 33.8  | 31.7  | 28.5  | 26.8  | 26    | 25    | 22.9  | 16.3 | 13    | -     | -     | -     | -     | -    |      |
| SS 100-200/300   | 125x100 | 195        | 30    | 40   | 44.5       | 42.5  | 42    | 40.2  | 38.8  | 36.7  | 34.2  | 33    | 31.7  | 29    | 21.7 | 18    | -     | -     | -     | -     | -    |      |
| SS 100-200/370   | 125x100 | 208        | 37    | 50   | 55         | 53    | 51    | 50.6  | 49.2  | 47    | 45    | 44    | 42.8  | 40.5  | 32.8 | 29    | -     | -     | -     | -     | -    |      |
| SS 100-200/450   | 125x100 | 218        | 45    | 60   | 61         | 59    | 57    | 56.6  | 55.2  | 53    | 51    | 50    | 48.8  | 46.5  | 38.8 | 35    | -     | -     | -     | -     | -    |      |
| SS 100-250/450   | 125x100 | 220        | 45    | 60   | 65         | 65    | 64    | 63    | 61    | 58    | 56    | 55    | 53.3  | 50    | 39   | 33.5  | -     | -     | -     | -     | -    |      |
| SS 100-250/550   | 125x100 | 240        | 55    | 75   | 77         | 76    | 75.5  | 75    | 73.8  | 72    | 71.7  | 71.5  | 70.7  | 69    | 62.3 | 59    | -     | -     | -     | -     | -    |      |
| SS 100-250/750   | 125x100 | 257        | 75    | 100  | 91         | 91    | 90.5  | 89.7  | 88    | 85.5  | 84    | 83.3  | 81.5  | 78    | 71.7 | 68.5  | 48    | -     | -     | -     | -    |      |
| SS 100-250/900   | 125x100 | 270        | 90    | 125  | 100        | 100   | 99.5  | 98.7  | 97    | 94.5  | 93    | 92.3  | 90.5  | 87    | 80.7 | 77.5  | 57    | -     | -     | -     | -    |      |
| SS 100-315/750   | 125x100 | 255        | 75    | 100  | 80         | -     | -     | 78.5  | 76.7  | 74    | 73    | 72.8  | 72.5  | 70.7  | 68   | 64    | 52    | -     | -     | -     | -    |      |
| SS 100-315/900   | 125x100 | 280        | 90    | 125  | 100        | -     | -     | 98.5  | 96.7  | 94    | 93    | 92.8  | 92.5  | 90.7  | 88   | 84    | 72    | -     | -     | -     | -    |      |
| SS 100-315/1100  | 125x100 | 300        | 110   | 150  | 118        | -     | -     | 116.5 | 114.7 | 112   | 111   | 110.8 | 110.5 | 108.7 | 106  | 102   | 90    | -     | -     | -     | -    |      |
| SS 100-315/1320  | 125x100 | 315        | 132   | 180  | 129        | -     | -     | 127.5 | 125.7 | 123   | 122   | 121.8 | 121.5 | 119.7 | 117  | 112   | 101   | -     | -     | -     | -    |      |
| SS 100-315/1600  | 125x100 | 328        | 160   | 220  | 148        | -     | -     | 146.5 | 144.7 | 142   | 141   | 140.8 | 140.5 | 138.7 | 136  | 132   | 120   | -     | -     | -     | -    |      |
| SS 125-200/450   | 150x125 | 190        | 45    | 60   | 39.8       | -     | -     | 39.3  | 39.2  | 39    | 38.9  | 38.9  | 38.8  | 37.5  | 35   | 34    | 28.6  | 25    | -     | -     | -    |      |
| SS 125-200/550   | 150x125 | 205        | 55    | 75   | 50.5       | -     | -     | 49.3  | 49.2  | 49    | 48.9  | 48.9  | 48.8  | 47.5  | 45   | 44    | 38.6  | 35    | -     | -     | -    |      |
| SS 125-200/750   | 150x125 | 218        | 75    | 100  | 61.5       | -     | -     | 60.3  | 60.2  | 60    | 59.9  | 59.9  | 59.8  | 58.5  | 56   | 55    | 49.6  | 46    | -     | -     | -    |      |
| SS 125-250/550   | 150x125 | 240        | 55    | 75   | 70         | -     | -     | 67    | 66    | 64    | 63    | 62    | 61    | 59.5  | 54   | 50.5  | -     | -     | -     | -     | -    |      |
| SS 125-250/750   | 150x125 | 255        | 75    | 100  | 80         | -     | -     | 76.5  | 75.5  | 74    | 73    | 72    | 71.5  | 70    | 67   | 65    | 56    | -     | -     | -     | -    |      |
| SS 125-250/900   | 150x125 | 265        | 90    | 125  | 87         | -     | -     | 84    | 82.5  | 81    | 79.5  | 79    | 78    | 77    | 73.5 | 71.5  | 65    | 60    | -     | -     | -    |      |
| SS 125-250/1100  | 150x125 | 274        | 110   | 150  | 97         | -     | -     | 94    | 92.8  | 91    | 90    | 89.3  | 88.7  | 87.4  | 84   | 83.5  | 76    | 71    | -     | -     | -    |      |
| SS 125-250H/900  | 150x125 | 220        | 90    | 125  | 63.2       | -     | -     | 62.4  | 62    | 61.6  | 61.2  | 61.2  | 61.2  | 60.8  | 60   | 59.6  | 57.2  | 55.2  | 47.2  | -     | -    |      |
| SS 125-250H/1100 | 150x125 | 240        | 110   | 150  | 74         | -     | -     | 73.2  | 72.8  | 72.4  | 72    | 72    | 72    | 71.6  | 70.8 | 70.4  | 68    | 66    | 58    | 49.6  | -    |      |
| SS 125-250H/1320 | 150x125 | 260        | 132   | 180  | 84         | -     | -     | 83.2  | 82.8  | 82.4  | 82    | 82    | 82    | 81.6  | 80.8 | 80.4  | 78    | 76    | 68    | 59.6  | -    |      |
| SS 125-250H/1600 | 150x125 | 280        | 160   | 220  | 98         | -     | -     | 97.2  | 96.8  | 96.4  | 96    | 96    | 96    | 95.6  | 94.8 | 94.4  | 92    | 90    | 82    | 73.6  | 67.6 |      |
| SS 125-315/1320  | 150x125 | 280        | 132   | 180  | 96         | -     | -     | -     | -     | -     | 95.2  | 95.1  | 95    | 94.8  | 94   | 93.5  | 91.8  | 88.5  | 76    | -     | -    |      |
| SS 125-315/1600  | 150x125 | 295        | 160   | 220  | 112        | -     | -     | -     | -     | -     | 111.2 | 111.1 | 111   | 110.8 | 110  | 109.5 | 107.8 | 106   | 97.5  | 80    | -    |      |
| SS 125-315/1850  | 150x125 | 310        | 185   | 250  | 125        | -     | -     | -     | -     | -     | 124.2 | 124.1 | 124   | 123.8 | 123  | 122.5 | 120.8 | 119   | 109   | 90    | -    |      |
| SS 125-315/2000  | 150x125 | 328        | 200   | 270  | 136        | -     | -     | -     | -     | -     | 135.2 | 135.1 | 135   | 134.8 | 134  | 133.5 | 131.8 | 130   | 120   | 101   | -    |      |
| SS 150-200/750   | 200x150 | 205        | 75    | 100  | 50         | -     | -     | -     | -     | -     | -     | -     | 48    | 47.9  | 47.6 | 47.2  | 45.8  | 44.6  | 41    | 35.5  | 30.5 |      |
| SS 150-200/900   | 200x150 | 217        | 90    | 125  | 56         | -     | -     | -     | -     | -     | -     | -     | 54    | 53.9  | 53.6 | 53.2  | 52.7  | 52.4  | 48    | 42.8  | 39.2 |      |
| SS 150-200/1100  | 200x150 | 235        | 110   | 150  | 65.2       | -     | -     | -     | -     | -     | -     | -     | 62    | 61.7  | 61.2 | 60.8  | 59.8  | 59.2  | 57.2  | 54    | 51.6 |      |
| SS 150-200/1320  | 200x150 | 245        | 132   | 180  | 71         | -     | -     | -     | -     | -     | -     | -     | 68.5  | 67.7  | 67.2 | 66.8  | 65.8  | 65.2  | 63.2  | 60    | 57.6 |      |
| SS 150-200/1600  | 200x150 | 258        | 160   | 220  | 77         | -     | -     | -     | -     | -     | -     | -     | 74    | 74    | 73.2 | 72.8  | 71.8  | 71.2  | 69.2  | 66    | 63.6 |      |
| SS 150-250/1100  | 200x150 | 242        | 110   | 150  | 67         | -     | -     | -     | -     | -     | -     | -     | -     | -     | 63   | 61.7  | 60    | 55.8  | 51.8  | 48    | 37.8 |      |
| SS 150-250/1320  | 200x150 | 265        | 132   | 180  | 80.2       | -     | -     | -     | -     | -     | -     | -     | -     | -     | 78   | 76.3  | 73.5  | 70    | 65    | 62    | 53   |      |
| SS 150-250/1600  | 200x150 | 280        | 160   | 220  | 90         | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | 88    | 86    | 85    | 82    | 77.2  | 75   |      |
| SS 150-250/2000  | 200x150 | 295        | 200   | 270  | 100        | -     | -     | -     | -     | -     | -     | -     | -     | -     | 97   | 96    | 95    | 92    | 87.2  | 85    | 76   |      |
| SS 150-315/1850  | 200x150 | 287        | 185   | 250  | 92         | -     | -     | -     | -     | -     | -     | -     | -     | -     | 90   | 88.3  | 87.2  | 82.8  | 77.8  | 72    | 60   |      |
| SS 150-315/2500  | 200x150 | 305        | 250   | 340  | 111        | -     | -     | -     | -     | -     | -     | -     | -     | -     | 110  | 108   | 106   | 102   | 96    | 92    | 81   |      |
| SS 150-315/2800  | 200x150 | 315        | 280   | 380  | 124        | -     | -     | -     | -     | -     | -     | -     | -     | -     | 121  | 119   | 118   | 114   | 109   | 105   | 94   |      |
| SS 150-315/3150  | 200x150 | 327        | 315   | 430  | 135        | -     | -     | -     | -     | -     | -     | -     | -     | -     | 134  | 133   | 132   | 128   | 122   | 118   | 106  |      |

**SSM/SSD also available**



INSTALLATION      DIMENSION

| Model      | Dimensions |     |     |     |     |     |     |     |     |     |     |    |    |     |    |     |
|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|-----|
|            | DN1        | DN2 | a   | f   | h1  | h2  | b   | m1  | m2  | n1  | n2  | s1 | s2 | w   | d  | l   |
| SS 32-160  | 50         | 32  | 80  | 360 | 132 | 160 | 55  | 95  | 70  | 240 | 190 | 14 | 14 | 260 | 24 | 50  |
| SS 32-200  | 50         | 32  | 80  | 360 | 160 | 180 | 55  | 95  | 70  | 240 | 190 | 14 | 14 | 260 | 24 | 50  |
| SS 32-250  | 50         | 32  | 80  | 360 | 160 | 180 | 55  | 95  | 70  | 240 | 190 | 14 | 14 | 260 | 24 | 50  |
| SS 40-160  | 65         | 40  | 80  | 360 | 132 | 160 | 50  | 100 | 70  | 240 | 190 | 14 | 14 | 260 | 24 | 50  |
| SS40-200   | 65         | 40  | 100 | 360 | 160 | 180 | 55  | 100 | 70  | 265 | 212 | 14 | 14 | 260 | 24 | 50  |
| SS 40-250  | 65         | 40  | 100 | 360 | 180 | 225 | 65  | 125 | 95  | 320 | 250 | 14 | 14 | 260 | 24 | 50  |
| SS 50-125  | 65         | 50  | 100 | 360 | 132 | 180 | 50  | 100 | 70  | 240 | 190 | 14 | 14 | 260 | 24 | 50  |
| SS 50-160  | 65         | 50  | 100 | 360 | 160 | 200 | 55  | 100 | 70  | 265 | 212 | 14 | 14 | 260 | 24 | 50  |
| SS 50-200  | 65         | 50  | 100 | 360 | 160 | 225 | 50  | 100 | 70  | 265 | 212 | 14 | 14 | 260 | 24 | 50  |
| SS 50-250  | 65         | 50  | 100 | 360 | 180 | 180 | 65  | 125 | 95  | 320 | 250 | 14 | 14 | 260 | 24 | 50  |
| SS65-125   | 80         | 65  | 100 | 360 | 160 | 250 | 65  | 125 | 95  | 280 | 212 | 14 | 14 | 260 | 24 | 50  |
| SS 65-160  | 80         | 65  | 100 | 360 | 160 | 200 | 65  | 125 | 95  | 280 | 212 | 14 | 14 | 260 | 24 | 50  |
| SS 65-200  | 80         | 65  | 100 | 360 | 180 | 225 | 65  | 125 | 95  | 320 | 250 | 14 | 14 | 260 | 24 | 50  |
| SS 65-250  | 80         | 65  | 100 | 470 | 200 | 250 | 80  | 160 | 120 | 360 | 280 | 18 | 14 | 340 | 32 | 80  |
| SS 65-315  | 80         | 65  | 125 | 470 | 225 | 280 | 80  | 160 | 120 | 360 | 280 | 18 | 14 | 340 | 32 | 80  |
| SS 80-125  | 100        | 80  | 100 | 360 | 180 | 225 | 65  | 125 | 95  | 320 | 250 | 14 | 14 | 260 | 24 | 50  |
| SS 80-160  | 100        | 80  | 100 | 360 | 180 | 225 | 65  | 125 | 95  | 345 | 250 | 14 | 14 | 260 | 24 | 50  |
| SS 80-200  | 100        | 80  | 100 | 470 | 200 | 250 | 65  | 125 | 95  | 345 | 280 | 14 | 14 | 340 | 32 | 80  |
| SS 80-250  | 100        | 80  | 100 | 470 | 200 | 280 | 80  | 160 | 120 | 400 | 315 | 18 | 14 | 340 | 32 | 80  |
| SS 80-315  | 100        | 80  | 125 | 470 | 250 | 315 | 80  | 160 | 120 | 400 | 315 | 18 | 14 | 340 | 24 | 50  |
| SS 100-160 | 125        | 100 | 125 | 360 | 200 | 280 | 80  | 160 | 120 | 360 | 280 | 18 | 14 | 260 | 32 | 80  |
| SS 100-200 | 125        | 100 | 125 | 470 | 200 | 280 | 80  | 160 | 120 | 360 | 280 | 18 | 14 | 340 | 32 | 80  |
| SS 100-250 | 125        | 100 | 125 | 470 | 225 | 280 | 80  | 160 | 120 | 400 | 315 | 18 | 14 | 340 | 32 | 80  |
| SS 100-315 | 125        | 100 | 140 | 470 | 250 | 315 | 80  | 160 | 120 | 400 | 315 | 19 | 14 | 340 | 32 | 80  |
| SS 100-400 | 125        | 100 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 23 | 14 | 370 | 42 | 110 |
| SS 125-200 | 150        | 125 | 140 | 470 | 250 | 315 | 80  | 160 | 120 | 400 | 315 | 19 | 14 | 340 | 32 | 80  |
| SS 125-250 | 150        | 125 | 140 | 470 | 250 | 355 | 80  | 160 | 120 | 400 | 315 | 19 | 14 | 340 | 32 | 80  |
| SS 125-315 | 150        | 125 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 23 | 14 | 370 | 42 | 110 |
| SS 125-400 | 150        | 125 | 140 | 530 | 315 | 400 | 100 | 200 | 150 | 500 | 400 | 23 | 14 | 370 | 42 | 110 |
| SS 150-200 | 200        | 150 | 160 | 470 | 280 | 400 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 32 | 80  |
| SS 150-250 | 200        | 150 | 160 | 530 | 280 | 400 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 42 | 110 |
| SS 150-315 | 200        | 150 | 160 | 530 | 280 | 400 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 42 | 110 |
| SS 150-400 | 200        | 150 | 160 | 530 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 42 | 110 |
| SS 200-250 | 250        | 200 | 180 | 530 | 355 | 475 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 42 | 110 |
| SS 200-315 | 250        | 200 | 180 | 530 | 355 | 450 | 100 | 200 | 150 | 550 | 450 | 23 | 14 | 370 | 42 | 110 |
| SS 200-400 | 250        | 200 | 180 | 770 | 400 | 500 | 110 | 300 | 250 | 710 | 600 | 28 | 14 | 525 | 60 | 140 |
| SS 250-315 | 300        | 250 | 250 | 530 | 400 | 500 | 110 | 300 | 250 | 710 | 600 | 28 | 14 | 525 | 42 | 110 |
| SS 250-400 | 300        | 250 | 250 | 770 | 400 | 560 | 110 | 300 | 250 | 710 | 600 | 28 | 14 | 525 | 60 | 140 |



## CDL/CDLF S.S. 304 VERTICAL MULTISTAGE PUMP



CDLF

CDL

### BRIEF INTRODUCTION

#### DESCRIPTION

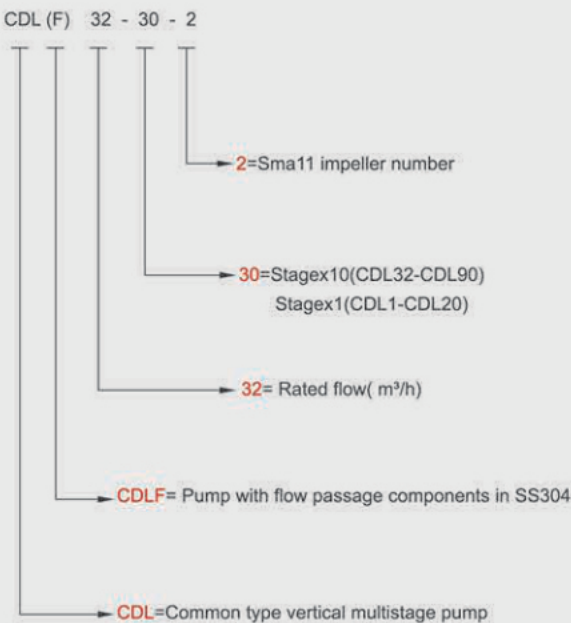
- ◆ SS304 vertical, multistage centrifugal pump
- ◆ The suction and discharge ports on the same level
- ◆ CDL pump head and base are in cast iron
- ◆ CDL pump impeller and shaft are in stainless steel
- ◆ CDLF pump all wetted parts are in stainless steel
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Quality bearing, wear resistance mechanical seal
- ◆ Liquid temperature between -10°C and +120°C

#### APPLICATIONS

The stainless steel multistage pumps are suitable for industrial processing systems, washing and cleaning systems, pumping of acids and alkalis filtration systems, water pressure boosting, water Treatment, HVAC irrigation, fire protection systems etc.

### MODEL CODE

#### FOR EXAMPLE



| Model      | CDL(F)          |      |
|------------|-----------------|------|
| Capacity   | 0-110           | m³/h |
| Head       | 0-300           | m    |
| DN         | 25-100          | mm   |
| Speed      | 2900/3500       | rpm  |
| T max      | 120             | °c   |
| Power      | 0.37-45         | kW   |
| Voltage    | 220/380/400/440 | V    |
| HZ         | 50/60           |      |
| Class      | Class F         |      |
| IP         | IP 55           |      |
| Duty       | S1 continuous   |      |
| Casing     | Cast Iron/SS304 |      |
| Impeller   | SS304           |      |
| Shaft      | SS304           |      |
| Shaft seal | Mechanical Seal |      |



TECHNICAL DATA

50 Hz    n=2900    l/min

| MODEL     | DN    | Power |      | Q=DELIVERY |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |  |
|-----------|-------|-------|------|------------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|--|
|           |       |       |      | GPM 1.8    | 2.6  | 3.5  | 4.4  | 5.3  | 6.2  | 7    | 7.9 | 8.8  | 10.6 | 12.3 | 13.2 | 14.1 | 15.4 | 15.9 | 17.6 |  |
|           |       |       |      | l/min 7.0  | 10   | 13   | 17   | 20   | 23   | 27   | 30  | 33   | 40   | 47   | 50   | 53   | 58   | 60   | 67   |  |
|           | mm    | kw    | hp   | m³/h 0.4   | 0.6  | 0.8  | 1    | 1.2  | 1.4  | 1.6  | 1.8 | 2.0  | 2.4  | 2.8  | 3    | 3.2  | 3.5  | 3.6  | 4    |  |
| H=Head(m) |       |       |      |            |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |  |
| CDL 1-2   | 25x25 | 0.37  | 0.5  | 13         | 12.5 | 12   | 11.5 | 11   | 10.5 | 10   | 9.5 | 9    | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-3   | 25x25 | 0.37  | 0.5  | 19         | 18   | 17.5 | 17   | 16.5 | 16   | 15   | 14  | 12   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-4   | 25x25 | 0.37  | 0.5  | 24         | 23.5 | 23   | 22.5 | 21.5 | 21   | 19   | 18  | 16   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-5   | 25x25 | 0.37  | 0.5  | 30         | 29.6 | 29   | 28   | 27   | 26   | 24   | 22  | 20   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-6   | 25x25 | 0.37  | 0.5  | 36         | 35.5 | 35   | 33.5 | 33   | 31   | 28   | 26  | 23   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-7   | 25x25 | 0.37  | 0.5  | 42         | 41   | 40.5 | 39   | 38   | 36   | 33   | 30  | 27   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-8   | 25x25 | 0.55  | 0.75 | 48         | 47   | 46   | 45   | 43   | 41   | 38   | 34  | 30   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-9   | 25x25 | 0.55  | 0.75 | 54         | 53   | 52   | 51   | 49   | 46   | 43   | 39  | 33   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-10  | 25x25 | 0.55  | 0.75 | 60         | 59   | 58   | 57   | 54   | 51   | 48   | 43  | 36   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-11  | 25x25 | 0.55  | 0.75 | 66         | 65   | 63   | 61   | 59   | 56   | 52   | 47  | 40   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-12  | 25x25 | 0.75  | 1    | 72         | 71   | 69   | 67   | 64   | 61   | 57   | 51  | 44   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-13  | 25x25 | 0.75  | 1    | 78         | 77   | 75   | 73   | 69   | 66   | 62   | 55  | 47   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-15  | 25x25 | 0.75  | 1    | 89         | 88   | 86   | 84   | 79   | 76   | 71   | 63  | 55   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-17  | 25x25 | 1.1   | 1.5  | 101        | 99   | 97   | 95   | 89   | 86   | 80   | 71  | 62   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-19  | 25x25 | 1.1   | 1.5  | 113        | 110  | 108  | 106  | 99   | 96   | 89   | 79  | 69   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-21  | 25x25 | 1.1   | 1.5  | 124        | 122  | 120  | 117  | 110  | 106  | 98   | 87  | 75   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-23  | 25x25 | 1.1   | 1.5  | 137        | 133  | 131  | 128  | 121  | 116  | 107  | 96  | 82   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-25  | 25x25 | 1.5   | 2    | 149        | 145  | 143  | 139  | 131  | 126  | 116  | 104 | 89   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-27  | 25x25 | 1.5   | 2    | 161        | 157  | 155  | 150  | 141  | 136  | 125  | 112 | 95   | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-30  | 25x25 | 1.5   | 2    | 178        | 175  | 171  | 166  | 157  | 150  | 139  | 124 | 106  | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-33  | 25x25 | 2.2   | 3    | 196        | 192  | 188  | 183  | 173  | 165  | 154  | 137 | 118  | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 1-36  | 25x25 | 2.2   | 3    | 214        | 210  | 205  | 200  | 190  | 181  | 169  | 151 | 130  | -    | -    | -    | -    | -    | -    | -    |  |
| CDL 2-2   | 25x25 | 0.37  | 0.5  | -          | -    | -    | 18   | 17   | 17   | 16   | 16  | 15   | 13   | 12   | 11   | 10   | 8    | -    | -    |  |
| CDL 2-3   | 25x25 | 0.37  | 0.5  | -          | -    | -    | 27   | 26   | 25   | 24   | 23  | 22   | 20   | 18   | 17   | 15   | 12   | -    | -    |  |
| CDL 2-4   | 25x25 | 0.55  | 0.75 | -          | -    | -    | 36   | 35   | 34   | 33   | 32  | 30   | 26   | 24   | 22   | 20   | 16   | -    | -    |  |
| CDL 2-5   | 25x25 | 0.55  | 0.75 | -          | -    | -    | 45   | 43   | 42   | 40   | 39  | 37   | 33   | 30   | 27   | 24   | 20   | -    | -    |  |
| CDL 2-6   | 25x25 | 0.75  | 1    | -          | -    | -    | 53   | 52   | 51   | 50   | 48  | 45   | 40   | 36   | 33   | 30   | 24   | -    | -    |  |
| CDL 2-7   | 25x25 | 0.75  | 1    | -          | -    | -    | 63   | 61   | 59   | 57   | 55  | 52   | 47   | 41   | 38   | 35   | 28   | -    | -    |  |
| CDL 2-9   | 25x25 | 1.1   | 1.5  | -          | -    | -    | 80   | 78   | 76   | 73   | 70  | 67   | 61   | 54   | 50   | 45   | 37   | -    | -    |  |
| CDL 2-11  | 25x25 | 1.1   | 1.5  | -          | -    | -    | 98   | 95   | 92   | 89   | 86  | 82   | 73   | 64   | 59   | 54   | 44   | -    | -    |  |
| CDL 2-13  | 25x25 | 1.5   | 2    | -          | -    | -    | 116  | 114  | 110  | 106  | 102 | 98   | 89   | 78   | 72   | 65   | 52   | -    | -    |  |
| CDL 2-15  | 25x25 | 1.5   | 2    | -          | -    | -    | 134  | 130  | 127  | 123  | 118 | 112  | 100  | 90   | 82   | 73   | 60   | -    | -    |  |
| CDL 2-18  | 25x25 | 2.2   | 3    | -          | -    | -    | 161  | 157  | 153  | 148  | 142 | 136  | 121  | 108  | 100  | 91   | 76   | -    | -    |  |
| CDL 2-22  | 25x25 | 2.2   | 3    | -          | -    | -    | 197  | 192  | 186  | 180  | 173 | 165  | 148  | 130  | 120  | 110  | 90   | -    | -    |  |
| CDL 2-26  | 25x25 | 3     | 4    | -          | -    | -    | 232  | 228  | 221  | 214  | 206 | 198  | 179  | 158  | 144  | 130  | 110  | -    | -    |  |
| CDL 3-2   | 25x25 | 0.37  | 0.5  | -          | -    | -    | -    | 12.5 | 12   | 11.5 | 11  | 11   | 10.5 | 10   | 9    | 8    | 7    | 7    | 6    |  |
| CDL 3-3   | 25x25 | 0.37  | 0.5  | -          | -    | -    | -    | 19   | 19   | 18.5 | 18  | 17.5 | 16.5 | 15   | 14   | 13   | 12   | 11   | 9    |  |
| CDL 3-4   | 25x25 | 0.37  | 0.5  | -          | -    | -    | -    | 25   | 25   | 24   | 24  | 23   | 21.5 | 20   | 19   | 18   | 16   | 15   | 12   |  |
| CDL 3-5   | 25x25 | 0.37  | 0.5  | -          | -    | -    | -    | 31   | 31   | 30   | 30  | 29   | 27   | 25   | 23   | 22   | 20   | 19   | 16   |  |
| CDL 3-6   | 25x25 | 0.55  | 0.75 | -          | -    | -    | -    | 36   | 36   | 35   | 35  | 34   | 32   | 30   | 28   | 27   | 24   | 23   | 19   |  |
| CDL 3-7   | 25x25 | 0.55  | 0.75 | -          | -    | -    | -    | 43   | 42   | 41   | 40  | 39   | 37   | 34   | 32   | 31   | 28   | 27   | 22   |  |
| CDL 3-8   | 25x25 | 0.75  | 1    | -          | -    | -    | -    | 49   | 48   | 47   | 46  | 45   | 43   | 39   | 37   | 35   | 32   | 31   | 25   |  |
| CDL 3-9   | 25x25 | 0.75  | 1    | -          | -    | -    | -    | 55   | 54   | 53   | 52  | 51   | 48   | 45   | 42   | 40   | 36   | 35   | 28   |  |
| CDL 3-10  | 25x25 | 0.75  | 1    | -          | -    | -    | -    | 61   | 60   | 59   | 58  | 57   | 54   | 50   | 47   | 45   | 41   | 39   | 31   |  |
| CDL 3-11  | 25x25 | 1.1   | 1.5  | -          | -    | -    | -    | 67   | 66   | 64   | 63  | 61   | 58   | 54   | 51   | 49   | 44   | 42   | 34   |  |
| CDL 3-12  | 25x25 | 1.1   | 1.5  | -          | -    | -    | -    | 73   | 72   | 70   | 69  | 67   | 63   | 58   | 55   | 52   | 47   | 45   | 37   |  |
| CDL 3-13  | 25x25 | 1.1   | 1.5  | -          | -    | -    | -    | 78   | 77   | 76   | 75  | 73   | 69   | 64   | 60   | 57   | 51   | 49   | 40   |  |
| CDL 3-15  | 25x25 | 1.1   | 1.5  | -          | -    | -    | -    | 90   | 89   | 88   | 86  | 84   | 79   | 73   | 69   | 66   | 59   | 57   | 46   |  |
| CDL 3-17  | 25x25 | 1.5   | 2    | -          | -    | -    | -    | 103  | 102  | 100  | 98  | 96   | 90   | 83   | 79   | 75   | 67   | 64   | 52   |  |
| CDL 3-19  | 25x25 | 1.5   | 2    | -          | -    | -    | -    | 115  | 114  | 112  | 110 | 107  | 100  | 92   | 88   | 83   | 75   | 72   | 58   |  |
| CDL 3-21  | 25x25 | 2.2   | 3    | -          | -    | -    | -    | 128  | 126  | 124  | 122 | 119  | 112  | 102  | 98   | 91   | 82   | 79   | 64   |  |
| CDL 3-23  | 25x25 | 2.2   | 3    | -          | -    | -    | -    | 140  | 138  | 135  | 133 | 130  | 122  | 112  | 107  | 100  | 90   | 86   | 70   |  |
| CDL 3-25  | 25x25 | 2.2   | 3    | -          | -    | -    | -    | 151  | 149  | 147  | 144 | 141  | 131  | 122  | 116  | 109  | 98   | 94   | 76   |  |
| CDL 3-27  | 25x25 | 2.2   | 3    | -          | -    | -    | -    | 164  | 162  | 159  | 156 | 152  | 143  | 132  | 124  | 117  | 105  | 101  | 82   |  |
| CDL 3-29  | 25x25 | 2.2   | 3    | -          | -    | -    | -    | 175  | 173  | 170  | 167 | 163  | 153  | 142  | 133  | 126  | 113  | 109  | 88   |  |
| CDL 3-31  | 25x25 | 3     | 4    | -          | -    | -    | -    | 187  | 185  | 182  | 179 | 175  | 165  | 153  | 142  | 135  | 121  | 116  | 94   |  |
| CDL 3-33  | 25x25 | 3     | 4    | -          | -    | -    | -    | 199  | 197  | 194  | 191 | 187  | 176  | 163  | 151  | 145  | 130  | 125  | 100  |  |
| CDL 3-36  | 25x25 | 3     | 4    | -          | -    | -    | -    | 218  | 215  | 212  | 208 | 204  | 192  | 178  | 168  | 159  | 143  | 137  | 109  |  |

CDLF also available

TECHNICAL DATA

50 Hz    n=2900    l/min

| MODEL     | DN    | Power |      | Q=DELIVERY |     |      |      |      |      |       |      |       |      |       |      |       |      |       |      |  |
|-----------|-------|-------|------|------------|-----|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--|
|           |       |       |      | GPM 6.6    | 8.8 | 13.2 | 17.6 | 22   | 26.4 | 30.8  | 35.2 | 39.6  | 44.1 | 48.5  | 52.9 | 57.3  | 61.7 | 66.1  | 70.5 |  |
|           |       |       |      | l/min 25   | 33  | 50   | 67   | 83   | 100  | 117   | 133  | 150   | 167  | 183   | 200  | 217   | 233  | 250   | 267  |  |
|           | mm    | kw    | hp   | m³/h 1.5   | 2   | 3    | 4    | 5    | 6    | 7     | 8    | 9     | 10   | 11    | 12   | 13    | 14   | 15    | 16   |  |
| H=Head(m) |       |       |      |            |     |      |      |      |      |       |      |       |      |       |      |       |      |       |      |  |
| CDL 4-2   | 32x32 | 0.37  | 0.5  | 19         | 18  | 17   | 15   | 13   | 10   | 8     | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-3   | 32x32 | 0.55  | 0.75 | 28         | 27  | 26   | 24   | 20   | 18   | 13    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-4   | 32x32 | 0.75  | 1    | 38         | 36  | 34   | 32   | 27   | 24   | 19    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-5   | 32x32 | 1.1   | 1.5  | 47         | 45  | 43   | 40   | 34   | 31   | 23    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-6   | 32x32 | 1.1   | 1.5  | 56         | 54  | 52   | 48   | 41   | 37   | 28    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-7   | 32x32 | 1.5   | 2    | 66         | 63  | 61   | 56   | 48   | 43   | 33    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-8   | 32x32 | 1.5   | 2    | 74         | 72  | 70   | 64   | 55   | 50   | 38    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-10  | 32x32 | 2.2   | 3    | 96         | 90  | 87   | 81   | 71   | 62   | 48    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-12  | 32x32 | 2.2   | 3    | 114        | 108 | 104  | 95   | 85   | 75   | 58    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-14  | 32x32 | 3     | 4    | 136        | 126 | 122  | 112  | 101  | 89   | 68    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-16  | 32x32 | 3     | 4    | 152        | 144 | 140  | 129  | 115  | 101  | 78    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-19  | 32x32 | 4     | 5.5  | 183        | 171 | 168  | 153  | 137  | 122  | 93    | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 4-22  | 32x32 | 4     | 5.5  | 211        | 200 | 192  | 178  | 160  | 138  | 108   | -    | -     | -    | -     | -    | -     | -    | -     | -    |  |
| CDL 8-2-1 | 40x40 | 0.75  | 1    | -          | -   | -    | -    | 10   | 9.5  | 9.3   | 9    | 8.5   | 8    | 7     | 6    | -     | -    | -     | -    |  |
| CDL 8-2   | 40x40 | 0.75  | 1    | -          | -   | -    | -    | 20   | 19.5 | 19    | 18   | 17    | 16   | 14    | 13   | -     | -    | -     | -    |  |
| CDL 8-3   | 40x40 | 1.1   | 1.5  | -          | -   | -    | -    | 30   | 29.5 | 28.5  | 27   | 25    | 24   | 21    | 19   | -     | -    | -     | -    |  |
| CDL 8-4   | 40x40 | 1.5   | 2    | -          | -   | -    | -    | 41   | 39.5 | 38    | 36   | 34    | 32   | 28    | 26   | -     | -    | -     | -    |  |
| CDL 8-5   | 40x40 | 2.2   | 3    | -          | -   | -    | -    | 52   | 50   | 48    | 45   | 42    | 40   | 36    | 32   | -     | -    | -     | -    |  |
| CDL 8-6   | 40x40 | 2.2   | 3    | -          | -   | -    | -    | 62   | 60   | 57    | 54   | 51    | 48   | 43    | 39   | -     | -    | -     | -    |  |
| CDL 8-8   | 40x40 | 3     | 4    | -          | -   | -    | -    | 83   | 80   | 77    | 73   | 69    | 65   | 58    | 52   | -     | -    | -     | -    |  |
| CDL 8-10  | 40x40 | 4     | 5.5  | -          | -   | -    | -    | 104  | 100  | 97    | 92   | 87    | 81   | 73    | 65   | -     | -    | -     | -    |  |
| CDL 8-12  | 40x40 | 4     | 5.5  | -          | -   | -    | -    | 124  | 120  | 116   | 111  | 104   | 92   | 87    | 78   | -     | -    | -     | -    |  |
| CDL 8-14  | 40x40 | 5.5   | 7.5  | -          | -   | -    | -    | 145  | 141  | 136   | 130  | 122   | 113  | 102   | 92   | -     | -    | -     | -    |  |
| CDL 8-16  | 40x40 | 5.5   | 7.5  | -          | -   | -    | -    | 166  | 161  | 156   | 148  | 139   | 130  | 118   | 106  | -     | -    | -     | -    |  |
| CDL 8-18  | 40x40 | 7.5   | 10   | -          | -   | -    | -    | 187  | 182  | 175   | 167  | 157   | 146  | 134   | 120  | -     | -    | -     | -    |  |
| CDL 8-20  | 40x40 | 7.5   | 10   | -          | -   | -    | -    | 208  | 202  | 195   | 186  | 175   | 163  | 150   | 135  | -     | -    | -     | -    |  |
| CDL 10-1  | 40x40 | 0.75  | 1    | -          | -   | -    | -    | 9.7  | 9.3  | 8.9   | 8.3  | 7.7   | 7    | 6     | 5    | 4     | -    | -     | -    |  |
| CDL 10-2  | 40x40 | 0.75  | 1    | -          | -   | -    | -    | 19.5 | 19   | 18    | 17   | 16    | 15   | 13.5  | 11.5 | 10    | -    | -     | -    |  |
| CDL 10-3  | 40x40 | 1.1   | 1.5  | -          | -   | -    | -    | 29.5 | 29   | 28    | 27   | 25    | 23   | 21    | 18   | 16    | -    | -     | -    |  |
| CDL 10-4  | 40x40 | 1.5   | 2    | -          | -   | -    | -    | 39.5 | 38.5 | 37.5  | 36   | 34    | 31   | 28    | 25   | 22    | -    | -     | -    |  |
| CDL 10-5  | 40x40 | 2.2   | 3    | -          | -   | -    | -    | 49.5 | 48.5 | 47    | 44   | 42    | 39   | 35    | 32   | 28    | -    | -     | -    |  |
| CDL 10-6  | 40x40 | 2.2   | 3    | -          | -   | -    | -    | 60   | 58   | 56    | 54   | 51    | 48   | 43    | 39   | 34    | -    | -     | -    |  |
| CDL 10-7  | 40x40 | 3     | 4    | -          | -   | -    | -    | 70   | 68   | 66    | 63   | 60    | 56   | 51    | 45   | 39    | -    | -     | -    |  |
| CDL 10-8  | 40x40 | 3     | 4    | -          | -   | -    | -    | 80   | 78   | 75    | 73   | 69    | 64   | 58    | 52   | 44    | -    | -     | -    |  |
| CDL 10-9  | 40x40 | 3     | 4    | -          | -   | -    | -    | 90   | 87   | 85    | 81   | 77    | 72   | 66    | 58   | 50    | -    | -     | -    |  |
| CDL 10-10 | 40x40 | 4     | 5.5  | -          | -   | -    | -    | 100  | 97   | 95    | 90   | 85    | 80   | 74    | 66   | 56    | -    | -     | -    |  |
| CDL 10-12 | 40x40 | 4     | 5.5  | -          | -   | -    | -    | 120  | 117  | 114   | 109  | 104   | 96   | 89    | 79   | 68    | -    | -     | -    |  |
| CDL 10-14 | 40x40 | 5.5   | 7.5  | -          | -   | -    | -    | 140  | 137  | 134   | 129  | 122   | 113  | 103   | 92   | 79    | -    | -     | -    |  |
| CDL 10-16 | 40x40 | 5.5   | 7.5  | -          | -   | -    | -    | 160  | 158  | 153   | 148  | 140   | 129  | 119   | 106  | 91    | -    | -     | -    |  |
| CDL 10-18 | 40x40 | 7.5   | 10   | -          | -   | -    | -    | 180  | 177  | 172   | 166  | 156   | 145  | 133   | 119  | 102   | -    | -     | -    |  |
| CDL 10-20 | 40x40 | 7.5   | 10   | -          | -   | -    | -    | 200  | 196  | 191   | 184  | 173   | 162  | 147   | 132  | 114   | -    | -     | -    |  |
| CDL 12-2  | 50x50 | 1.5   | 2    | -          | -   | -    | -    | -    | -    | 23.5  | 23   | 22.5  | 22   | 21    | 20   | 18.5  | 17   | 15.5  | 14   |  |
| CDL 12-3  | 50x50 | 2.2   | 3    | -          | -   | -    | -    | -    | -    | 35.5  | 35   | 34    | 33   | 31.5  | 30   | 28    | 26   | 23.5  | 21   |  |
| CDL 12-4  | 50x50 | 3     | 4    | -          | -   | -    | -    | -    | -    | 47    | 46   | 45    | 44   | 42    | 40   | 37    | 34   | 31    | 28   |  |
| CDL 12-5  | 50x50 | 3     | 4    | -          | -   | -    | -    | -    | -    | 59.5  | 58   | 56.5  | 55   | 52.5  | 50   | 46.5  | 43   | 39    | 35   |  |
| CDL 12-6  | 50x50 | 4     | 5.5  | -          | -   | -    | -    | -    | -    | 71.5  | 70   | 68    | 66   | 63    | 60   | 56    | 52   | 47    | 42   |  |
| CDL 12-7  | 50x50 | 5.5   | 7.5  | -          | -   | -    | -    | -    | -    | 83.5  | 82   | 79.5  | 77   | 73.5  | 70   | 65.5  | 61   | 55    | 49   |  |
| CDL 12-8  | 50x50 | 5.5   | 7.5  | -          | -   | -    | -    | -    | -    | 95.5  | 94   | 91    | 88   | 84    | 80   | 75    | 70   | 63    | 56   |  |
| CDL 12-9  | 50x50 | 5.5   | 7.5  | -          | -   | -    | -    | -    | -    | 108   | 106  | 103   | 100  | 95.5  | 91   | 85    | 79   | 71.5  | 64   |  |
| CDL 12-10 | 50x50 | 7.5   | 10   | -          | -   | -    | -    | -    | -    | 120   | 118  | 114.5 | 111  | 106   | 101  | 94.5  | 88   | 80    | 72   |  |
| CDL 12-12 | 50x50 | 7.5   | 10   | -          | -   | -    | -    | -    | -    | 143.5 | 141  | 137   | 133  | 127   | 121  | 113.5 | 106  | 96    | 86   |  |
| CDL 12-14 | 50x50 | 11    | 15   | -          | -   | -    | -    | -    | -    | 168   | 165  | 160   | 155  | 148   | 141  | 132.5 | 124  | 112   | 100  |  |
| CDL 12-16 | 50x50 | 11    | 15   | -          | -   | -    | -    | -    | -    | 192.5 | 189  | 183.5 | 178  | 170   | 162  | 152   | 142  | 128.5 | 115  |  |
| CDL 12-18 | 50x50 | 11    | 15   | -          | -   | -    | -    | -    | -    | 217   | 213  | 207.5 | 202  | 192.5 | 183  | 171.5 | 160  | 145   | 130  |  |



TECHNICAL DATA

50 Hz    n≈2900    l/min

| MODEL        | DN    | Power |     | Q=DELIVERY |      |      |      |     |     |     |     |     |     |     |     |     |     |
|--------------|-------|-------|-----|------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |       |       |     | GPM 3 5    | 44   | 53   | 62   | 70  | 79  | 88  | 97  | 106 | 115 | 123 | 141 | 159 | 176 |
|              |       |       |     | l/min 133  | 167  | 200  | 233  | 267 | 300 | 333 | 367 | 400 | 433 | 467 | 533 | 600 | 667 |
|              | mm    | kw    | hp  | m³/h 8     | 10   | 12   | 14   | 16  | 18  | 20  | 22  | 24  | 26  | 28  | 32  | 36  | 40  |
| H=Head(m)    |       |       |     |            |      |      |      |     |     |     |     |     |     |     |     |     |     |
| CDL 16-2     | 50x50 | 2.2   | 3   | 27         | 26   | 25   | 24   | 22  | 21  | 19  | 16  | -   | -   | -   | -   | -   | -   |
| CDL 16-3     | 50x50 | 3     | 4   | 41         | 40   | 38   | 37   | 34  | 32  | 29  | 25  | -   | -   | -   | -   | -   | -   |
| CDL 16-4     | 50x50 | 4     | 5.5 | 54         | 53   | 52   | 49   | 46  | 43  | 38  | 34  | -   | -   | -   | -   | -   | -   |
| CDL 16-5     | 50x50 | 5.5   | 7.5 | 68         | 67   | 65   | 62   | 58  | 54  | 48  | 43  | -   | -   | -   | -   | -   | -   |
| CDL 16-6     | 50x50 | 5.5   | 7.5 | 82         | 80   | 78   | 74   | 70  | 64  | 58  | 52  | -   | -   | -   | -   | -   | -   |
| CDL 16-7     | 50x50 | 7.5   | 10  | 96         | 95   | 91   | 87   | 82  | 76  | 68  | 61  | -   | -   | -   | -   | -   | -   |
| CDL 16-8     | 50x50 | 7.5   | 10  | 110        | 108  | 104  | 99   | 94  | 86  | 77  | 70  | -   | -   | -   | -   | -   | -   |
| CDL 16-10    | 50x50 | 11    | 15  | 138        | 136  | 131  | 125  | 118 | 109 | 97  | 87  | -   | -   | -   | -   | -   | -   |
| CDL 16-12    | 50x50 | 11    | 15  | 166        | 162  | 157  | 150  | 141 | 130 | 116 | 105 | -   | -   | -   | -   | -   | -   |
| CDL 16-14    | 50x50 | 15    | 20  | 194        | 190  | 184  | 175  | 166 | 152 | 136 | 122 | -   | -   | -   | -   | -   | -   |
| CDL 16-16    | 50x50 | 15    | 20  | 222        | 217  | 210  | 200  | 189 | 174 | 156 | 140 | -   | -   | -   | -   | -   | -   |
| CDL 20-1     | 50x50 | 1.1   | 1.5 | -          | 13.5 | 13   | 12.5 | 12  | 11  | 10  | 9   | 8   | 7   | 6   | -   | -   | -   |
| CDL 20-2     | 50x50 | 2.2   | 3   | -          | 27   | 26.5 | 26   | 25  | 24  | 23  | 22  | 20  | 18  | 15  | -   | -   | -   |
| CDL 20-3     | 50x50 | 4     | 5.5 | -          | 40   | 39.5 | 39   | 38  | 37  | 35  | 33  | 30  | 27  | 24  | -   | -   | -   |
| CDL 20-4     | 50x50 | 5.5   | 7.5 | -          | 54   | 53   | 52   | 51  | 49  | 47  | 44  | 41  | 37  | 33  | -   | -   | -   |
| CDL 20-5     | 50x50 | 5.5   | 7.5 | -          | 67   | 66   | 64   | 62  | 60  | 58  | 55  | 50  | 45  | 40  | -   | -   | -   |
| CDL 20-6     | 50x50 | 7.5   | 10  | -          | 81   | 79   | 77   | 75  | 73  | 70  | 66  | 61  | 55  | 49  | -   | -   | -   |
| CDL 20-7     | 50x50 | 7.5   | 10  | -          | 95   | 93   | 91   | 89  | 86  | 82  | 77  | 71  | 65  | 58  | -   | -   | -   |
| CDL 20-8     | 50x50 | 11    | 15  | -          | 109  | 107  | 105  | 102 | 99  | 94  | 89  | 82  | 75  | 67  | -   | -   | -   |
| CDL 20-10    | 50x50 | 11    | 15  | -          | 136  | 134  | 131  | 128 | 124 | 118 | 111 | 103 | 95  | 85  | -   | -   | -   |
| CDL 20-12    | 50x50 | 15    | 20  | -          | 164  | 162  | 158  | 154 | 149 | 142 | 133 | 124 | 114 | 102 | -   | -   | -   |
| CDL 20-14    | 50x50 | 15    | 20  | -          | 192  | 189  | 185  | 180 | 174 | 166 | 156 | 145 | 133 | 119 | -   | -   | -   |
| CDL 20-17    | 50x50 | 18.5  | 25  | -          | 234  | 230  | 225  | 219 | 212 | 202 | 190 | 177 | 162 | 145 | -   | -   | -   |
| CDL 32-10-1  | 65x65 | 1.5   | 2   | -          | -    | -    | -    | 14  | 14  | 13  | 12  | 12  | 11  | 9   | 7   | 4   | 4   |
| CDL 32-10    | 65x65 | 2.2   | 3   | -          | -    | -    | -    | 18  | 18  | 17  | 16  | 15  | 15  | 14  | 13  | 11  | 8   |
| CDL 32-20-2  | 65x65 | 3     | 4   | -          | -    | -    | -    | 29  | 29  | 28  | 27  | 26  | 25  | 23  | 20  | 16  | 11  |
| CDL 32-20    | 65x65 | 4     | 5.5 | -          | -    | -    | -    | 36  | 35  | 34  | 33  | 32  | 31  | 29  | 27  | 23  | 18  |
| CDL 32-30-2  | 65x65 | 5.5   | 7.5 | -          | -    | -    | -    | 47  | 46  | 44  | 43  | 41  | 40  | 38  | 33  | 28  | 21  |
| CDL 32-30    | 65x65 | 5.5   | 7.5 | -          | -    | -    | -    | 54  | 53  | 51  | 50  | 48  | 46  | 44  | 40  | 35  | 27  |
| CDL 32-40-2  | 65x65 | 7.5   | 10  | -          | -    | -    | -    | 65  | 64  | 62  | 60  | 58  | 56  | 53  | 46  | 40  | 30  |
| CDL 32-40    | 65x65 | 7.5   | 10  | -          | -    | -    | -    | 72  | 71  | 69  | 67  | 65  | 62  | 59  | 53  | 47  | 37  |
| CDL 32-50-2  | 65x65 | 11    | 15  | -          | -    | -    | -    | 83  | 81  | 79  | 77  | 74  | 71  | 68  | 60  | 52  | 41  |
| CDL 32-50    | 65x65 | 11    | 15  | -          | -    | -    | -    | 90  | 88  | 86  | 84  | 81  | 78  | 74  | 67  | 59  | 47  |
| CDL 32-60-2  | 65x65 | 11    | 15  | -          | -    | -    | -    | 101 | 99  | 97  | 94  | 90  | 87  | 83  | 74  | 65  | 51  |
| CDL 32-60    | 65x65 | 11    | 15  | -          | -    | -    | -    | 108 | 106 | 104 | 101 | 97  | 94  | 90  | 81  | 72  | 57  |
| CDL 32-70-2  | 65x65 | 15    | 20  | -          | -    | -    | -    | 119 | 117 | 114 | 111 | 107 | 103 | 98  | 88  | 78  | 60  |
| CDL 32-70    | 65x65 | 15    | 20  | -          | -    | -    | -    | 126 | 124 | 121 | 117 | 113 | 109 | 105 | 95  | 85  | 67  |
| CDL 32-80-2  | 65x65 | 15    | 20  | -          | -    | -    | -    | 136 | 134 | 131 | 127 | 123 | 119 | 114 | 102 | 90  | 71  |
| CDL 32-80    | 65x65 | 15    | 20  | -          | -    | -    | -    | 144 | 141 | 138 | 134 | 130 | 125 | 120 | 109 | 97  | 77  |
| CDL 32-90-2  | 65x65 | 18.5  | 25  | -          | -    | -    | -    | 154 | 151 | 148 | 144 | 140 | 135 | 129 | 117 | 102 | 82  |
| CDL 32-90    | 65x65 | 18.5  | 25  | -          | -    | -    | -    | 162 | 159 | 156 | 152 | 147 | 142 | 136 | 124 | 109 | 88  |
| CDL 32-100-2 | 65x65 | 18.5  | 25  | -          | -    | -    | -    | 175 | 171 | 166 | 162 | 157 | 152 | 146 | 131 | 115 | 91  |
| CDL 32-100   | 65x65 | 18.5  | 25  | -          | -    | -    | -    | 182 | 178 | 173 | 169 | 164 | 158 | 152 | 138 | 122 | 98  |
| CDL 32-110-2 | 65x65 | 22    | 30  | -          | -    | -    | -    | 193 | 189 | 184 | 179 | 173 | 169 | 164 | 146 | 128 | 102 |
| CDL 32-110   | 65x65 | 22    | 30  | -          | -    | -    | -    | 200 | 196 | 191 | 186 | 180 | 174 | 168 | 153 | 135 | 109 |
| CDL 32-120-2 | 65x65 | 22    | 30  | -          | -    | -    | -    | 211 | 206 | 201 | 195 | 189 | 184 | 178 | 160 | 140 | 113 |
| CDL 32-120   | 65x65 | 22    | 30  | -          | -    | -    | -    | 218 | 213 | 208 | 202 | 196 | 190 | 184 | 167 | 147 | 120 |
| CDL 32-130-2 | 65x65 | 30    | 40  | -          | -    | -    | -    | 230 | 224 | 218 | 212 | 206 | 200 | 193 | 174 | 153 | 124 |
| CDL 32-130   | 65x65 | 30    | 40  | -          | -    | -    | -    | 237 | 231 | 225 | 219 | 213 | 207 | 200 | 181 | 160 | 131 |
| CDL 32-140-2 | 65x65 | 30    | 40  | -          | -    | -    | -    | 247 | 241 | 235 | 229 | 222 | 216 | 210 | 189 | 165 | 135 |
| CDL 32-140   | 65x65 | 30    | 40  | -          | -    | -    | -    | 255 | 249 | 242 | 236 | 229 | 223 | 216 | 196 | 172 | 142 |
| CDL 32-150-2 | 65x65 | 30    | 40  | -          | -    | -    | -    | 266 | 260 | 253 | 246 | 239 | 232 | 224 | 203 | 178 | 145 |
| CDL 32-150   | 65x65 | 30    | 40  | -          | -    | -    | -    | 274 | 267 | 260 | 253 | 246 | 239 | 231 | 210 | 185 | 152 |
| CDL 32-160-2 | 65x65 | 30    | 40  | -          | -    | -    | -    | 284 | 277 | 270 | 263 | 255 | 248 | 240 | 218 | 190 | 156 |
| CDL 32-160   | 65x65 | 30    | 40  | -          | -    | -    | -    | 292 | 285 | 277 | 270 | 262 | 254 | 246 | 225 | 197 | 163 |

CDLF also available

TECHNICAL DATA

50 Hz    n≈2900    l/min

| MODEL        | DN      | Power |     | Q=DELIVERY |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |
|--------------|---------|-------|-----|------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
|              |         |       |     | GPM 110    | 132 | 154 | 176 | 185 | 198 | 220 | 242 | 264  | 286  | 308  | 352  | 374  | 396  | 441  | 485  |
|              |         |       |     | l/min 417  | 500 | 583 | 667 | 700 | 750 | 833 | 917 | 1000 | 1083 | 1167 | 1333 | 1417 | 1500 | 1667 | 1833 |
|              | mm      | kw    | hp  | m³/h 25    | 30  | 35  | 40  | 42  | 45  | 50  | 55  | 60   | 65   | 70   | 80   | 85   | 90   | 100  | 110  |
| H=Head(m)    |         |       |     |            |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |
| CDL 45-10-1  | 80x80   | 3     | 4   | 20         | 19  | 18  | 17  | 16  | 15  | 13  | 11  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-10    | 80x80   | 4     | 5.5 | 24         | 23  | 22  | 21  | 20  | 19  | 18  | 16  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-20-2  | 80x80   | 5.5   | 7.5 | 40         | 38  | 36  | 33  | 32  | 30  | 27  | 23  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-20    | 80x80   | 7.5   | 10  | 48         | 46  | 44  | 42  | 41  | 39  | 35  | 31  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-30-2  | 80x80   | 11    | 15  | 63         | 61  | 58  | 54  | 52  | 50  | 44  | 38  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-30    | 80x80   | 11    | 15  | 71         | 69  | 66  | 63  | 61  | 58  | 53  | 47  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-40-2  | 80x80   | 15    | 20  | 87         | 84  | 80  | 75  | 73  | 69  | 62  | 54  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-40    | 80x80   | 15    | 20  | 95         | 92  | 88  | 84  | 81  | 78  | 71  | 62  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-50-2  | 80x80   | 18.5  | 25  | 111        | 107 | 102 | 96  | 93  | 88  | 80  | 69  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-50    | 80x80   | 18.5  | 25  | 119        | 115 | 110 | 105 | 101 | 97  | 88  | 78  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-60-2  | 80x80   | 22    | 30  | 135        | 130 | 124 | 117 | 113 | 108 | 97  | 85  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-60    | 80x80   | 22    | 30  | 143        | 138 | 132 | 125 | 122 | 116 | 106 | 93  | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-70-2  | 80x80   | 30    | 40  | 158        | 152 | 146 | 138 | 134 | 127 | 115 | 100 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-70    | 80x80   | 30    | 40  | 166        | 161 | 154 | 146 | 142 | 135 | 124 | 109 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-80-2  | 80x80   | 30    | 40  | 182        | 175 | 168 | 159 | 154 | 146 | 133 | 116 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-80    | 80x80   | 30    | 40  | 190        | 184 | 176 | 167 | 162 | 154 | 141 | 124 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-90-2  | 80x80   | 30    | 40  | 205        | 198 | 190 | 180 | 174 | 166 | 150 | 132 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-90    | 80x80   | 37    | 50  | 214        | 207 | 198 | 188 | 183 | 174 | 159 | 140 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-100-2 | 80x80   | 37    | 50  | 230        | 221 | 212 | 200 | 194 | 185 | 168 | 147 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-100   | 80x80   | 37    | 50  | 238        | 230 | 220 | 209 | 203 | 193 | 177 | 155 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-110-2 | 80x80   | 45    | 60  | 255        | 246 | 236 | 223 | 217 | 206 | 188 | 165 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-110   | 80x80   | 45    | 60  | 263        | 255 | 244 | 232 | 225 | 214 | 196 | 173 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-120-2 | 80x80   | 45    | 60  | 280        | 270 | 259 | 245 | 238 | 226 | 206 | 181 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-120   | 80x80   | 45    | 60  | 289        | 280 | 268 | 255 | 247 | 236 | 216 | 190 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-130-2 | 80x80   | 45    | 60  | 305        | 294 | 282 | 267 | 259 | 247 | 225 | 198 | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 64-10-1  | 100x100 | 4     | 5.5 | -          | 19  | 19  | 18  | 18  | 17  | 16  | 15  | 14   | 13   | 11   | 8    | -    | -    | -    | -    |
| CDL 64-10    | 100x100 | 5.5   | 7.5 | -          | 27  | 26  | 25  | 25  | 24  | 23  | 22  | 21   | 20   | 18   | 15   | -    | -    | -    | -    |
| CDL 64-20-2  | 100x100 | 7.5   | 10  | -          | 39  | 38  | 36  | 36  | 35  | 33  | 31  | 29   | 26   | 23   | 17   | -    | -    | -    | -    |
| CDL 64-20-1  | 100x100 | 11    | 15  | -          | 46  | 45  | 44  | 43  | 42  | 40  | 38  | 36   | 33   | 30   | 24   | -    | -    | -    | -    |
| CDL 64-20    | 100x100 | 11    | 15  | -          | 53  | 52  | 51  | 50  | 49  | 47  | 45  | 43   | 40   | 37   | 30   | -    | -    | -    | -    |
| CDL 64-30-2  | 100x100 | 15    | 20  | -          | 66  | 64  | 62  | 61  | 59  | 56  | 53  | 50   | 46   | 41   | 32   | -    | -    | -    | -    |
| CDL 64-30-1  | 100x100 | 15    | 20  | -          | 73  | 71  | 69  | 68  | 66  | 63  | 60  | 57   | 53   | 48   | 39   | -    | -    | -    | -    |
| CDL 64-30    | 100x100 | 18.5  | 25  | -          | 80  | 78  | 76  | 75  | 73  | 70  | 67  | 64   | 60   | 55   | 46   | -    | -    | -    | -    |
| CDL 64-40-2  | 100x100 | 18.5  | 25  | -          | 92  | 90  | 87  | 86  | 84  | 80  | 76  | 71   | 66   | 60   | 47   | -    | -    | -    | -    |
| CDL 64-40-1  | 100x100 | 22    | 30  | -          | 100 | 97  | 94  | 93  | 91  | 87  | 83  | 78   | 73   | 67   | 54   | -    | -    | -    | -    |
| CDL 64-40    | 100x100 | 22    | 30  | -          | 107 | 104 | 101 | 100 | 98  | 94  | 90  | 85   | 80   | 74   | 61   | -    | -    | -    | -    |
| CDL 64-50-2  | 100x100 | 30    | 40  | -          | 121 | 118 | 114 | 112 | 110 | 105 | 100 | 95   | 88   | 80   | 64   | -    | -    | -    | -    |
| CDL 64-50-1  | 100x100 | 30    | 40  | -          | 128 | 125 | 121 | 119 | 117 | 112 | 107 | 102  | 95   | 87   | 71   | -    | -    | -    | -    |
| CDL 64-50    | 100x100 | 30    | 40  | -          | 136 | 133 | 129 | 127 | 124 | 119 | 114 | 109  | 102  | 94   | 78   | -    | -    | -    | -    |
| CDL 64-60-2  | 100x100 | 30    | 40  | -          | 150 | 146 | 142 | 140 | 137 | 131 | 125 | 118  | 110  | 101  | 81   | -    | -    | -    | -    |
| CDL 64-60-1  | 100x100 | 37    | 50  | -          | 157 | 153 | 149 | 147 | 144 | 138 | 132 | 125  | 117  | 108  | 88   | -    | -    | -    | -    |
| CDL 64-60    | 100x100 | 37    | 50  | -          | 164 | 160 | 156 | 154 | 151 | 145 | 139 | 132  | 124  | 115  | 95   | -    | -    | -    | -    |
| CDL 64-70-2  | 100x100 | 37    | 50  | -          | 179 | 174 | 169 | 167 | 163 | 156 | 149 | 141  | 132  | 121  | 99   | -    | -    | -    | -    |
| CDL 64-70-1  | 100x100 | 37    | 50  | -          | 186 | 181 | 176 | 174 | 170 | 163 | 156 | 148  | 139  | 128  | 106  | -    | -    | -    | -    |
| CDL 64-70    | 100x100 | 45    | 60  | -          | 193 | 188 | 183 | 181 | 177 | 170 | 163 | 155  | 146  | 135  | 112  | -    | -    | -    | -    |
| CDL 64-80-2  | 100x100 | 45    | 60  | -          | 207 | 202 | 196 | 193 | 189 | 182 | 173 | 164  | 154  | 142  | 116  | -    | -    | -    | -    |
| CDL 64-80-1  | 100x100 | 45    | 60  | -          | 215 | 209 | 203 | 200 | 196 | 189 | 180 | 171  | 161  | 149  | 123  | -    | -    | -    | -    |
| CDL 90-10-1  | 100x100 | 5.5   | 7.5 | -          | -   | -   | -   | -   | -   | 22  | 21  | 19   | 18   | 17   | 16   | 14   | 13   | 10   | 6    |
| CDL 90-10    | 100x100 | 7.5   | 10  | -          | -   | -   | -   | -   | -   | 25  | 25  | 24   | 23   | 22   | 21   | 20   | 19   | 16   | 12   |
| CDL 90-20-2  | 100x100 | 11    | 15  | -          | -   | -   | -   | -   | -   | 41  | 40  | 39   | 38   | 36   | 32   | 30   | 28   | 22   | 15   |
| CDL 90-20    | 100x100 | 15    | 20  | -          | -   | -   | -   | -   | -   | 53  | 52  | 50   | 49   | 47   | 44   | 41   | 40   | 36   | 30   |
| CDL 90-30-2  | 100x100 | 18.5  | 25  | -          | -   | -   | -   | -   | -   | 68  | 67  | 65   | 63   | 60   | 55   | 52   | 49   | 41   | 32   |
| CDL 90-30    | 100x100 | 22    | 30  | -          | -   | -   | -   | -   | -   | 81  | 79  | 77   | 75   | 72   | 67   | 64   | 62   | 55   | 48   |
| CDL 90-40-2  | 100x100 | 30    | 40  | -          | -   | -   | -   | -   | -   | 98  | 96  | 93   | 90   | 87   | 80   | 75   | 72   | 62   | 50   |
| CDL 90-40    | 100x100 | 30    | 40  | -          | -   | -   | -   | -   | -   | 110 | 108 | 105  | 103  | 100  | 92   | 86   | 84   | 76   | 66   |
| CDL 90-50-2  | 100x100 | 37    | 50  | -          | -   | -   | -   | -   | -   | 126 | 123 | 120  | 117  | 113  | 104  | 98   | 93   | 81   | 68   |
| CDL 90-50    | 100x100 | 37    | 50  | -          | -   | -   | -   | -   | -   | 139 | 135 | 131  | 128  | 124  | 115  | 110  | 106  | 94   | 83   |
| CDL 90-60-2  | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | -   | 155 | 152 | 148  | 144  | 139  | 129  | 122  | 117  | 102  | 86   |
| CDL 90-60    | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | -   | 168 | 164 | 160  | 155  | 150  | 141  | 134  | 130  | 117  | 103  |



TECHNICAL DATA

60 Hz      n≈3500      l/min

| MODEL     | DN    | Power |      | Q=DELIVERY |     |      |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------|-------|-------|------|------------|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|           |       |       |      | GPM 2.6    | 3.5 | 4.4  | 5.3 | 6.2  | 6.6  | 7   | 7.9 | 8.8 | 11  | 13  | 15  | 18  | 20  | 22  | 26  | 31  | 35  |
|           |       |       |      | l/min 10   | 13  | 17   | 20  | 23   | 25   | 27  | 30  | 33  | 42  | 50  | 58  | 67  | 75  | 83  | 100 | 117 | 133 |
|           | mm    | kw    | hp   | m³/h 0.6   | 0.8 | 1    | 1.2 | 1.4  | 1.5  | 1.6 | 1.8 | 2   | 2.5 | 3   | 3.5 | 4   | 4.5 | 5   | 6   | 7   | 8   |
| H=Head(m) |       |       |      |            |     |      |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
| CDL 1-2   | 25×25 | 0.37  | 0.5  | 17.5       | 17  | 16.5 | 16  | 15.5 | 15.3 | 15  | 14  | 13  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-3   | 25×25 | 0.37  | 0.5  | 26.5       | 26  | 25   | 24  | 23   | 22.5 | 22  | 21  | 20  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-4   | 25×25 | 0.37  | 0.5  | 35         | 34  | 33   | 32  | 31   | 30.5 | 30  | 28  | 26  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-5   | 25×25 | 0.55  | 0.75 | 43         | 42  | 41   | 40  | 39   | 38.5 | 38  | 35  | 33  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-6   | 25×25 | 0.55  | 0.75 | 52         | 51  | 50   | 48  | 47   | 46   | 45  | 43  | 39  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-7   | 25×25 | 0.75  | 1    | 60         | 59  | 58   | 56  | 55   | 54   | 52  | 50  | 46  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-8   | 25×25 | 0.75  | 1    | 68         | 67  | 65   | 64  | 62   | 61   | 59  | 57  | 53  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-9   | 25×25 | 0.75  | 1    | 76         | 75  | 74   | 73  | 71   | 69   | 66  | 64  | 60  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-10  | 25×25 | 1.1   | 1.5  | 85         | 84  | 83   | 81  | 78   | 76   | 74  | 72  | 67  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-11  | 25×25 | 1.1   | 1.5  | 95         | 93  | 90   | 87  | 85   | 83   | 81  | 78  | 73  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-12  | 25×25 | 1.1   | 1.5  | 103        | 102 | 98   | 96  | 92   | 90   | 88  | 86  | 79  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL1-13   | 25×25 | 1.1   | 1.5  | 112        | 110 | 107  | 105 | 100  | 98   | 95  | 93  | 86  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-15  | 25×25 | 1.5   | 2    | 127        | 125 | 123  | 121 | 117  | 115  | 112 | 107 | 99  | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-17  | 25×25 | 1.5   | 2    | 144        | 141 | 139  | 137 | 132  | 128  | 124 | 120 | 112 | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-19  | 25×25 | 2.2   | 3    | 160        | 157 | 155  | 153 | 147  | 144  | 141 | 134 | 124 | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-21  | 25×25 | 2.2   | 3    | 177        | 174 | 172  | 168 | 162  | 158  | 153 | 147 | 138 | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-23  | 25×25 | 2.2   | 3    | 193        | 190 | 188  | 184 | 174  | 171  | 167 | 161 | 152 | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 1-25  | 25×25 | 3     | 4    | 210        | 207 | 205  | 202 | 192  | 188  | 184 | 176 | 164 | -   | -   | -   | -   | -   | -   | -   | -   | -   |
| CDL 2-2   | 25×25 | 0.55  | 0.75 | -          | -   | 26   | 25  | 24   | 24   | 24  | 23  | 22  | 21  | 18  | 16  | 12  | 9   | -   | -   | -   | -   |
| CDL 2-3   | 25×25 | 0.75  | 1    | -          | -   | 39   | 38  | 37   | 36   | 35  | 34  | 33  | 31  | 27  | 24  | 19  | 15  | -   | -   | -   | -   |
| CDL 2-4   | 25×25 | 1.1   | 1.5  | -          | -   | 52   | 50  | 49   | 48   | 47  | 46  | 45  | 42  | 36  | 32  | 26  | 20  | -   | -   | -   | -   |
| CDL 2-5   | 25×25 | 1.1   | 1.5  | -          | -   | 65   | 63  | 61   | 60   | 59  | 58  | 57  | 52  | 46  | 41  | 32  | 25  | -   | -   | -   | -   |
| CDL 2-6   | 25×25 | 1.1   | 1.5  | -          | -   | 78   | 76  | 75   | 74   | 73  | 71  | 69  | 63  | 56  | 49  | 40  | 30  | -   | -   | -   | -   |
| CDL 2-7   | 25×25 | 1.5   | 2    | -          | -   | 91   | 89  | 87   | 86   | 85  | 83  | 81  | 74  | 66  | 57  | 47  | 35  | -   | -   | -   | -   |
| CDL 2-9   | 25×25 | 2.2   | 3    | -          | -   | 117  | 115 | 112  | 111  | 110 | 107 | 104 | 95  | 86  | 75  | 61  | 45  | -   | -   | -   | -   |
| CDL 2-11  | 25×25 | 2.2   | 3    | -          | -   | 143  | 140 | 137  | 136  | 134 | 131 | 128 | 116 | 104 | 90  | 75  | 56  | -   | -   | -   | -   |
| CDL 2-13  | 25×25 | 3     | 4    | -          | -   | 171  | 168 | 165  | 163  | 161 | 156 | 152 | 139 | 126 | 108 | 90  | 66  | -   | -   | -   | -   |
| CDL 2-15  | 25×25 | 3     | 4    | -          | -   | 195  | 191 | 188  | 186  | 184 | 180 | 176 | 160 | 142 | 125 | 103 | 77  | -   | -   | -   | -   |
| CDL 2-18  | 25×25 | 4     | 5.5  | -          | -   | 234  | 232 | 229  | 228  | 225 | 218 | 212 | 195 | 171 | 151 | 126 | 94  | -   | -   | -   | -   |
| CDL3-2    | 25×25 | 0.37  | 0.5  | -          | -   | -    | -   | -    | 17.5 | 17  | 17  | 16  | 15  | 14  | 13  | 11  | 9   | 8   | -   | -   | -   |
| CDL 3-3   | 25×25 | 0.55  | 0.75 | -          | -   | -    | -   | -    | 26.5 | 26  | 26  | 25  | 24  | 23  | 20  | 18  | 15  | 12  | -   | -   | -   |
| CDL 3-4   | 25×25 | 0.55  | 0.75 | -          | -   | -    | -   | -    | 35   | 35  | 34  | 34  | 32  | 30  | 27  | 25  | 20  | 17  | -   | -   | -   |
| CDL 3-5   | 25×25 | 0.75  | 1    | -          | -   | -    | -   | -    | 44   | 44  | 43  | 42  | 40  | 38  | 33  | 31  | 26  | 23  | -   | -   | -   |
| CDL 3-6   | 25×25 | 1.1   | 1.5  | -          | -   | -    | -   | -    | 51   | 51  | 50  | 50  | 48  | 45  | 40  | 37  | 32  | 27  | -   | -   | -   |
| CDL 3-7   | 25×25 | 1.1   | 1.5  | -          | -   | -    | -   | -    | 61   | 61  | 60  | 59  | 56  | 52  | 46  | 43  | 38  | 31  | -   | -   | -   |
| CDL 3-8   | 25×25 | 1.1   | 1.5  | -          | -   | -    | -   | -    | 70   | 69  | 68  | 67  | 64  | 61  | 53  | 49  | 44  | 35  | -   | -   | -   |
| CDL 3-9   | 25×25 | 1.5   | 2    | -          | -   | -    | -   | -    | 78   | 78  | 77  | 77  | 72  | 68  | 60  | 56  | 50  | 40  | -   | -   | -   |
| CDL 3-10  | 25×25 | 1.5   | 2    | -          | -   | -    | -   | -    | 87   | 86  | 85  | 84  | 81  | 76  | 68  | 63  | 55  | 44  | -   | -   | -   |
| CDL 3-11  | 25×25 | 1.5   | 2    | -          | -   | -    | -   | -    | 96   | 95  | 94  | 92  | 87  | 82  | 74  | 69  | 59  | 48  | -   | -   | -   |
| CDL 3-12  | 25×25 | 2.2   | 3    | -          | -   | -    | -   | -    | 104  | 103 | 102 | 100 | 96  | 90  | 79  | 73  | 63  | 52  | -   | -   | -   |
| CDL 3-13  | 25×25 | 2.2   | 3    | -          | -   | -    | -   | -    | 112  | 111 | 110 | 109 | 104 | 98  | 86  | 80  | 69  | 57  | -   | -   | -   |
| CDL 3-15  | 25×25 | 2.2   | 3    | -          | -   | -    | -   | -    | 129  | 128 | 127 | 126 | 120 | 112 | 99  | 93  | 81  | 65  | -   | -   | -   |
| CDL 3-17  | 25×25 | 2.2   | 3    | -          | -   | -    | -   | -    | 147  | 146 | 145 | 143 | 137 | 128 | 114 | 106 | 91  | 74  | -   | -   | -   |
| CDL 3-19  | 25×25 | 3     | 4    | -          | -   | -    | -   | -    | 165  | 164 | 162 | 160 | 153 | 142 | 126 | 118 | 102 | 82  | -   | -   | -   |
| CDL 3-21  | 25×25 | 3     | 4    | -          | -   | -    | -   | -    | 183  | 182 | 180 | 178 | 170 | 160 | 141 | 129 | 112 | 91  | -   | -   | -   |
| CDL 3-23  | 25×25 | 3     | 4    | -          | -   | -    | -   | -    | 200  | 199 | 196 | 194 | 185 | 174 | 154 | 142 | 122 | 98  | -   | -   | -   |
| CDL 3-25  | 25×25 | 4     | 5.5  | -          | -   | -    | -   | -    | 217  | 216 | 213 | 211 | 202 | 187 | 167 | 154 | 134 | 108 | -   | -   | -   |
| CDL 4-2   | 32×32 | 0.75  | 1    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 16  | 14  |
| CDL 4-3   | 32×32 | 1.1   | 1.5  | -          | -   | -    | -   | -    | -    | -   | -   | -   | 39  | 38  | 37  | 36  | 34  | 32  | 28  | 24  | 21  |
| CDL 4-4   | 32×32 | 1.5   | 2    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 52  | 50  | 49  | 48  | 46  | 44  | 38  | 35  | 31  |
| CDL4-5    | 32×32 | 2.2   | 3    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 65  | 62  | 61  | 60  | 58  | 55  | 49  | 44  | 39  |
| CDL 4-6   | 32×32 | 2.2   | 3    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 78  | 75  | 74  | 72  | 70  | 67  | 59  | 54  | 47  |
| CDL 4-7   | 32×32 | 3     | 4    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 92  | 88  | 86  | 84  | 81  | 78  | 69  | 62  | 55  |
| CDL 4-8   | 32×32 | 3     | 4    | -          | -   | -    | -   | -    | -    | -   | -   | -   | 104 | 100 | 98  | 95  | 93  | 90  | 79  | 72  | 63  |
| CDL 4-10  | 32×32 | 4     | 5.5  | -          | -   | -    | -   | -    | -    | -   | -   | -   | 130 | 125 | 123 | 120 | 117 | 113 | 102 | 90  | 80  |
| CDL4-12   | 32×32 | 4     | 5.5  | -          | -   | -    | -   | -    | -    | -   | -   | -   | 156 | 150 | 148 | 145 | 141 | 136 | 122 | 109 | 96  |
| CDL 4-14  | 32×32 | 5.5   | 7.5  | -          | -   | -    | -   | -    | -    | -   | -   | -   | 182 | 176 | 173 | 170 | 165 | 159 | 145 | 129 | 112 |
| CDL 4-16  | 32×32 | 5.5   | 7.5  | -          | -   | -    | -   | -    | -    | -   | -   | -   | 207 | 201 | 199 | 196 | 190 | 183 | 165 | 146 | 128 |

CDLF also available

TECHNICAL DATA

60 Hz      n≈3500      l/min

| MODEL      | DN    | Power |     | Q=DELIVERY |     |      |     |      |      |      |     |      |      |     |      |     |     |     |     |     |     |     |
|------------|-------|-------|-----|------------|-----|------|-----|------|------|------|-----|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
|            |       |       |     | gpm 31     | 35  | 40   | 44  | 48   | 53   | 57   | 62  | 66   | 70   | 79  | 84   | 88  | 97  | 106 | 115 | 132 | 141 | 150 |
|            |       |       |     | l/min117   | 133 | 150  | 167 | 183  | 200  | 217  | 233 | 250  | 267  | 300 | 317  | 333 | 367 | 400 | 433 | 500 | 533 | 567 |
|            | mm    | kw    | hp  | m³/h 7     | 8   | 9    | 10  | 11   | 12   | 13   | 14  | 15   | 16   | 18  | 19   | 20  | 22  | 24  | 26  | 30  | 32  | 34  |
| CDL 8-2-1  | 40×40 | 0.75  | 1   | 13         | 12  | 11.5 | 11  | 10.5 | 10   | 9.5  | 9   | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-2    | 40×40 | 1.5   | 2   | 27         | 26  | 25   | 24  | 23   | 22   | 20   | 18  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-3    | 40×40 | 2.2   | 3   | 41         | 40  | 38   | 37  | 35   | 33   | 30   | 28  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-4    | 40×40 | 3     | 4   | 55         | 54  | 52   | 50  | 47   | 45   | 41   | 38  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CD L8-5    | 40×40 | 3     | 4   | 70         | 68  | 65   | 63  | 59   | 56   | 52   | 47  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-6    | 40×40 | 4     | 5.5 | 85         | 82  | 78   | 76  | 72   | 68   | 62   | 57  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-8    | 40×40 | 5.5   | 7.5 | 115        | 110 | 105  | 101 | 97   | 91   | 84   | 75  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-10   | 40×40 | 7.5   | 10  | 145        | 140 | 132  | 126 | 122  | 115  | 105  | 95  | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-12   | 40×40 | 7.5   | 10  | 173        | 167 | 160  | 152 | 147  | 132  | 125  | 115 | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 8-14   | 40×40 | 11    | 15  | 202        | 195 | 188  | 179 | 174  | 163  | 147  | 135 | -    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-1   | 40×40 | 0.75  | 1   | 13.5       | 13  | 12.5 | 12  | 11   | 10   | 9    | 7   | 6    | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-2   | 40×40 | 1.5   | 2   | 28         | 27  | 26   | 25  | 23   | 22   | 19   | 18  | 16   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-3   | 40×40 | 2.2   | 3   | 42         | 41  | 39   | 38  | 36   | 34   | 31   | 28  | 25   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-4   | 40×40 | 3     | 4   | 57         | 55  | 53   | 51  | 48   | 45   | 41   | 38  | 34   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-5   | 40×40 | 3     | 4   | 71         | 69  | 66   | 64  | 61   | 57   | 52   | 48  | 43   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-6   | 40×40 | 4     | 5.5 | 86         | 83  | 80   | 77  | 74   | 69   | 64   | 59  | 52   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-7   | 40×40 | 5.5   | 7.5 | 100        | 97  | 94   | 90  | 87   | 81   | 75   | 69  | 61   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-8   | 40×40 | 5.5   | 7.5 | 114        | 110 | 108  | 103 | 99   | 93   | 86   | 79  | 70   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-9   | 40×40 | 5.5   | 7.5 | 128        | 125 | 121  | 116 | 111  | 105  | 98   | 90  | 79   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-10  | 40×40 | 7.5   | 10  | 143        | 139 | 135  | 129 | 123  | 117  | 109  | 100 | 89   | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-12  | 40×40 | 7.5   | 10  | 172        | 167 | 163  | 156 | 149  | 140  | 131  | 120 | 107  | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-14  | 40×40 | 11    | 15  | 201        | 196 | 191  | 183 | 175  | 164  | 153  | 140 | 125  | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-16  | 40×40 | 11    | 15  | 230        | 224 | 219  | 210 | 200  | 188  | 176  | 160 | 143  | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 10-17  | 40×40 | 11    | 15  | 245        | 239 | 233  | 224 | 213  | 200  | 186  | 170 | 152  | -    | -   | -    | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-1   | 50×50 | 1.1   | 1.5 | 17         | 17  | 16   | 16  | 15   | 14.5 | 14   | 13  | 12.5 | 11   | 10  | 8.5  | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-2   | 50×50 | 2.2   | 3   | 35         | 35  | 34   | 33  | 32.5 | 32   | 30.5 | 29  | 27   | 24.5 | 23  | 20.5 | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-3   | 50×50 | 4     | 5.5 | 52.5       | 52  | 51.5 | 51  | 50   | 48   | 46   | 44  | 41.5 | 37.5 | 34  | 31   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-4   | 50×50 | 5.5   | 7.5 | 70         | 69  | 68   | 67  | 65.5 | 64   | 61.5 | 58  | 55   | 49.5 | 45  | 41   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-5   | 50×50 | 5.5   | 7.5 | 88         | 87  | 86   | 84  | 82   | 80   | 77   | 74  | 70   | 62   | 57  | 51   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-6   | 50×50 | 7.5   | 10  | 107        | 105 | 103  | 101 | 99   | 96   | 92   | 88  | 84   | 75   | 68  | 61   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-7   | 50×50 | 7.5   | 10  | 124        | 123 | 121  | 119 | 116  | 112  | 107  | 102 | 97   | 88   | 80  | 71   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-8   | 50×50 | 11    | 15  | 141        | 139 | 137  | 135 | 132  | 128  | 122  | 117 | 111  | 101  | 92  | 82   | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-10  | 50×50 | 11    | 15  | 178        | 176 | 173  | 170 | 166  | 161  | 153  | 147 | 140  | 128  | 116 | 104  | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-12  | 50×50 | 15    | 20  | 213        | 211 | 208  | 204 | 199  | 193  | 185  | 177 | 169  | 154  | 140 | 125  | -   | -   | -   | -   | -   | -   | -   |
| CDL 12-14  | 50×50 | 15    | 20  | 249        | 246 | 242  | 238 | 233  | 225  | 216  | 207 | 198  | 180  | 163 | 145  | -   | -   | -   | -   | -   | -   | -   |
| CDL 16-2-1 | 50×50 | 2.2   | 3   | -          | -   | -    | 19  | 19   | 18.5 | 18   | 18  | 18   | 17   | 16  | 16   | 15  | 14  | 13  | 11  | -   | -   | -   |
| CDL 16-2   | 50×50 | 4     | 5.5 | -          | -   | -    | 38  | 38   | 37   | 37   | 36  | 36   | 35   | 34  | 33   | 32  | 30  | 27  | 24  | -   | -   | -   |
| CDL 16-3   | 50×50 | 5.5   | 7.5 | -          | -   | -    | 57  | 57   | 56   | 56   | 55  | 55   | 54   | 51  | 50   | 48  | 45  | 40  | 36  | -   | -   | -   |
| CDL 16-4   | 50×50 | 7.5   | 10  | -          | -   | -    | 76  | 76   | 75   | 74   | 73  | 73   | 72   | 68  | 66   | 64  | 60  | 54  | 49  | -   | -   | -   |
| CDL 16-5   | 50×50 | 11    | 15  | -          | -   | -    | 96  | 95   | 94   | 93   | 92  | 91   | 90   | 85  | 83   | 80  | 75  | 68  | 62  | -   | -   | -   |
| CDL 16-6   | 50×50 | 11    | 15  | -          | -   | -    | 115 | 114  | 113  | 112  | 111 | 110  | 108  | 102 | 99   | 96  | 91  | 82  | 75  | -   | -   | -   |
| CDL 16-7   | 50×50 | 15    | 20  | -          | -   | -    | 135 | 134  | 132  | 131  | 129 | 128  | 126  | 119 | 116  | 113 | 106 | 96  | 88  | -   | -   | -   |
| CDL 16-8   | 50×50 | 15    | 20  | -          | -   | -    | 155 | 154  | 152  | 150  | 148 | 146  | 144  | 137 | 134  | 130 | 122 | 111 | 101 | -   | -   | -   |
| CDL 16-10  | 50×50 | 18.5  | 25  | -          | -   | -    | 197 | 195  | 192  | 190  | 187 | 184  | 181  | 174 | 170  | 165 | 153 | 139 | 127 | -   | -   | -   |
| CDL 20-1   | 50×50 | 2.2   | 3   | -          | -   | -    | -   | -    | 19   | 19   | 19  | 19   | 18   | 18  | 18   | 17  | 16  | 15  | 14  | 13  | 10  | 8.5 |
| CDL 20-2   | 50×50 | 4     | 5.5 | -          | -   | -    | -   | -    | 38   | 38   | 38  | 38   | 37   | 36  | 36   | 35  | 34  | 32  | 31  | 29  | 24  | 21  |
| CDL 20-3   | 50×50 | 5.5   | 7.5 | -          | -   | -    | -   | -    | 58   | 58   | 57  | 57   | 56   | 55  | 54   | 53  | 52  | 50  | 48  | 45  | 38  | 33  |
| CDL 20-4   | 50×50 | 7.5   | 10  | -          | -   | -    | -   | -    | 78   | 78   | 77  | 76   | 75   | 74  | 73   | 72  | 70  | 67  | 64  | 60  | 51  | 45  |
| CDL 20-5   | 50×50 | 11    | 15  | -          | -   | -    | -   | -    | 98   | 97   | 96  | 95   | 94   | 92  | 91   | 90  | 88  | 85  | 80  | 75  | 64  | 57  |
| CDL 20-6   | 50×50 | 11    | 15  | -          | -   | -    | -   | -    | 118  | 117  | 116 | 115  | 113  | 111 | 110  | 108 | 105 | 102 | 97  | 91  | 77  | 70  |
| CDL 20-7   | 50×50 | 15    | 20  | -          | -   | -    | -   | -    | 138  | 137  | 136 | 135  | 133  | 130 | 129  | 127 | 123 | 119 | 113 | 107 | 91  | 83  |
| CDL 20-8   | 50×50 | 15    | 20  | -          | -   | -    | -   | -    | 158  | 157  | 156 | 155  | 153  | 150 | 148  | 146 | 142 | 137 | 130 | 123 | 105 | 96  |
| CDL 20-10  | 50×50 | 18.5  | 25  | -          | -   | -    | -   | -    | 198  | 197  | 196 | 195  | 193  | 189 | 187  | 185 | 179 | 172 | 164 | 155 | 133 | 122 |



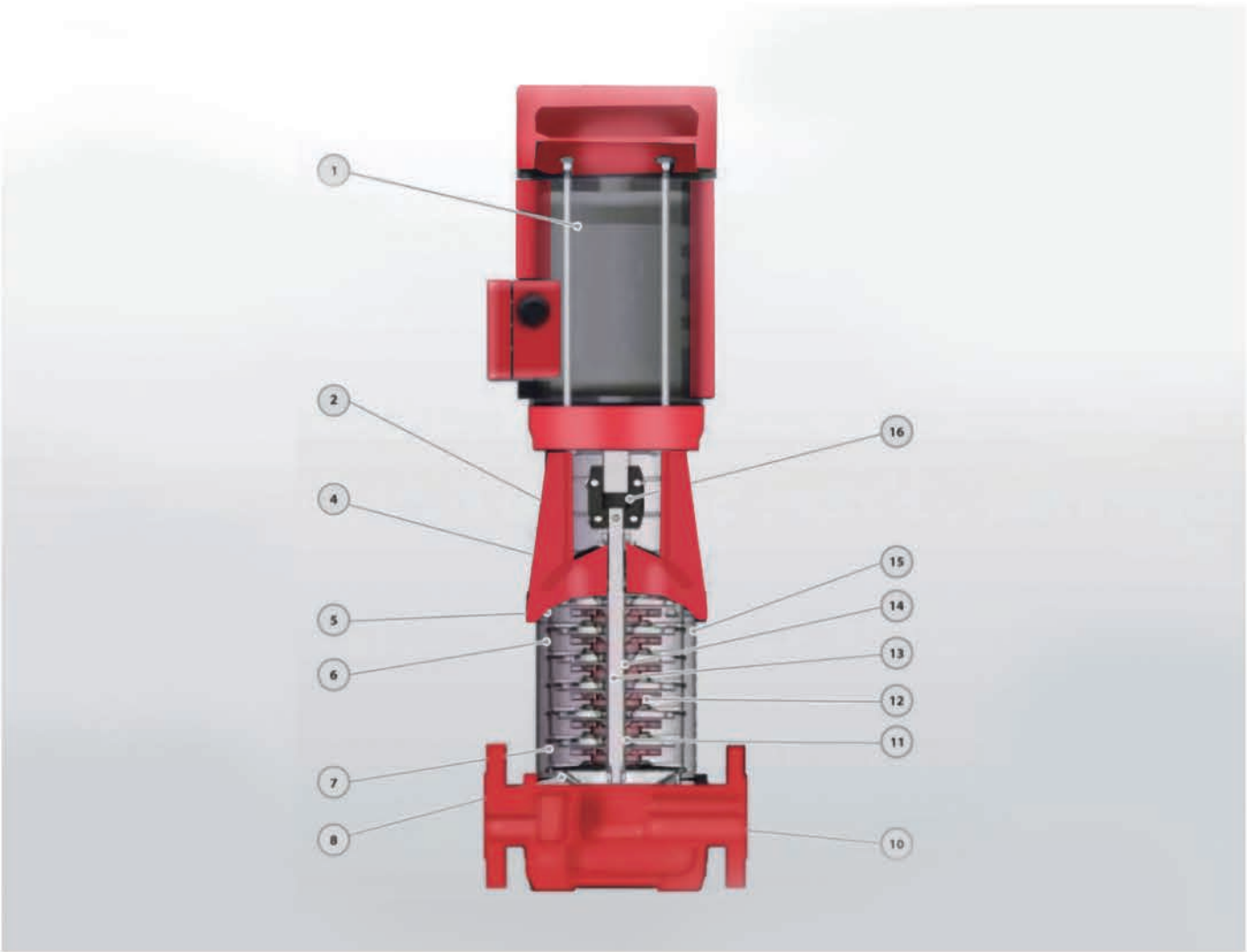
TECHNICAL DATA

60 Hz    n≈3500    l/min

| MODEL        | DN      | Power |     | Q=DELIVERY |     |     |     |     |     |      |      |     |     |     |      |      |      |      |      |      |      |      |      |
|--------------|---------|-------|-----|------------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|
|              |         |       |     | GPM 88     | 106 | 132 | 141 | 159 | 176 | 185  | 198  | 211 | 220 | 242 | 264  | 286  | 308  | 352  | 374  | 396  | 441  | 507  | 573  |
|              |         |       |     | l/min 333  | 400 | 500 | 533 | 600 | 667 | 700  | 750  | 800 | 833 | 917 | 1000 | 1083 | 1167 | 1333 | 1417 | 1500 | 1667 | 1917 | 2167 |
|              | mm      | kw    | hp  | m³/h 20    | 24  | 30  | 32  | 36  | 40  | 42   | 45   | 48  | 50  | 55  | 60   | 65   | 70   | 80   | 85   | 90   | 100  | 115  | 130  |
| H=Head(m)    |         |       |     |            |     |     |     |     |     |      |      |     |     |     |      |      |      |      |      |      |      |      |      |
| CDL 32-10-1  | 65x65   | 3     | 4   | 20         | 19  | 18  | 17  | 15  | 13  | 12   | 9    | 7   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-10    | 65x65   | 4     | 5.5 | 26         | 25  | 24  | 23  | 21  | 19  | 18   | 16   | 14  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-20-2  | 65x65   | 5.5   | 7.5 | 41         | 40  | 37  | 35  | 31  | 27  | 25   | 21   | 17  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-20    | 65x65   | 7.5   | 10  | 52         | 50  | 47  | 45  | 41  | 37  | 35   | 32   | 27  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-30-2  | 65x65   | 7.5   | 10  | 67         | 64  | 59  | 57  | 52  | 46  | 43   | 37   | 31  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-30    | 65x65   | 11    | 15  | 78         | 75  | 69  | 67  | 62  | 56  | 53   | 48   | 40  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-40-2  | 65x65   | 11    | 15  | 94         | 91  | 84  | 81  | 73  | 65  | 61   | 53   | 45  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-40    | 65x65   | 15    | 20  | 104        | 101 | 94  | 91  | 83  | 75  | 71   | 63   | 55  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-50-2  | 65x65   | 15    | 20  | 119        | 115 | 106 | 102 | 94  | 84  | 79   | 70   | 59  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-50    | 65x65   | 18.5  | 25  | 130        | 125 | 116 | 112 | 104 | 94  | 89   | 80   | 69  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-60-2  | 65x65   | 18.5  | 25  | 145        | 140 | 130 | 126 | 116 | 104 | 97   | 86   | 74  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-60    | 65x65   | 18.5  | 25  | 155        | 150 | 140 | 136 | 126 | 114 | 107  | 95   | 81  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-70-2  | 65x65   | 22    | 30  | 172        | 166 | 154 | 149 | 137 | 123 | 115  | 101  | 86  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-70    | 65x65   | 22    | 30  | 182        | 176 | 164 | 159 | 148 | 133 | 126  | 113  | 97  | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-80-2  | 65x65   | 22    | 30  | 196        | 190 | 177 | 172 | 159 | 143 | 134  | 119  | 102 | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-80    | 65x65   | 30    | 40  | 208        | 201 | 187 | 181 | 167 | 152 | 142  | 127  | 111 | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-90-2  | 65x65   | 30    | 40  | 223        | 216 | 200 | 194 | 179 | 162 | 152  | 136  | 117 | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-90    | 65x65   | 30    | 40  | 234        | 226 | 210 | 204 | 189 | 172 | 162  | 146  | 127 | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 32-100-2 | 65x65   | 30    | 40  | 248        | 241 | 224 | 217 | 201 | 181 | 170  | 153  | 133 | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-10-1  | 80x80   | 5.5   | 7.5 | -          | -   | 29  | 29  | 28  | 27  | 26   | 25   | 24  | 23  | 21  | 19   | 16   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-10    | 80x80   | 7.5   | 10  | -          | -   | 34  | 34  | 33  | 32  | 31.5 | 30.0 | 29  | 29  | 27  | 25   | 22   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-20-2  | 80x80   | 11    | 15  | -          | -   | 57  | 56  | 55  | 53  | 52   | 49   | 47  | 46  | 43  | 38   | 33   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-20    | 80x80   | 15    | 20  | -          | -   | 69  | 68  | 67  | 65  | 63   | 61   | 60  | 59  | 55  | 50   | 44   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-30-2  | 80x80   | 18.5  | 25  | -          | -   | 90  | 89  | 87  | 85  | 83   | 80   | 77  | 75  | 72  | 63   | 55   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-30    | 80x80   | 18.5  | 25  | -          | -   | 102 | 101 | 99  | 97  | 95   | 92   | 90  | 88  | 82  | 76   | 68   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-40-2  | 80x80   | 22    | 30  | -          | -   | 125 | 123 | 121 | 118 | 115  | 112  | 108 | 105 | 98  | 89   | 78   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-40    | 80x80   | 30    | 40  | -          | -   | 136 | 135 | 132 | 129 | 126  | 123  | 119 | 117 | 112 | 102  | 89   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-50-2  | 80x80   | 30    | 40  | -          | -   | 159 | 157 | 153 | 149 | 146  | 142  | 137 | 134 | 121 | 115  | 99   | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-50    | 80x80   | 30    | 40  | -          | -   | 171 | 169 | 165 | 161 | 158  | 154  | 149 | 145 | 138 | 126  | 112  | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-60-2  | 80x80   | 37    | 50  | -          | -   | 194 | 192 | 187 | 182 | 178  | 173  | 167 | 163 | 155 | 139  | 122  | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-60    | 80x80   | 37    | 50  | -          | -   | 205 | 203 | 198 | 193 | 190  | 186  | 180 | 176 | 166 | 152  | 134  | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-70-2  | 80x80   | 45    | 60  | -          | -   | 227 | 224 | 219 | 213 | 210  | 205  | 198 | 193 | 182 | 165  | 144  | -    | -    | -    | -    | -    | -    | -    |
| CDL 45-70    | 80x80   | 45    | 60  | -          | -   | 239 | 236 | 231 | 226 | 221  | 216  | 209 | 204 | 194 | 178  | 157  | -    | -    | -    | -    | -    | -    | -    |
| CDL 64-10-1  | 100x100 | 7.5   | 10  | -          | -   | -   | -   | -   | 26  | 26   | 26   | 25  | 25  | 24  | 23   | 22   | 21   | 18   | 16   | 14   | 10   | -    | -    |
| CDL 64-10    | 100x100 | 11    | 15  | -          | -   | -   | -   | -   | 37  | 37   | 36   | 35  | 35  | 34  | 33   | 32   | 31   | 28   | 26   | 24   | 21   | -    | -    |
| CDL 64-20-2  | 100x100 | 15    | 20  | -          | -   | -   | -   | -   | 53  | 53   | 52   | 51  | 50  | 49  | 47   | 44   | 42   | 37   | 37   | 31   | 23   | -    | -    |
| CDL 64-20    | 100x100 | 22    | 30  | -          | -   | -   | -   | -   | 74  | 74   | 73   | 72  | 72  | 70  | 67   | 64   | 62   | 57   | 54   | 51   | 42   | -    | -    |
| CDL 64-30-2  | 100x100 | 22    | 30  | -          | -   | -   | -   | -   | 93  | 92   | 91   | 89  | 88  | 84  | 80   | 76   | 72   | 65   | 61   | 56   | 45   | -    | -    |
| CDL 64-30    | 100x100 | 30    | 40  | -          | -   | -   | -   | -   | 112 | 111  | 110  | 109 | 108 | 104 | 100  | 96   | 93   | 86   | 82   | 77   | 65   | -    | -    |
| CDL 64-40-2  | 100x100 | 37    | 50  | -          | -   | -   | -   | -   | 130 | 129  | 127  | 125 | 124 | 120 | 115  | 110  | 103  | 94   | 89   | 83   | 66   | -    | -    |
| CDL 64-40    | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | 152 | 150  | 148  | 146 | 144 | 140 | 135  | 130  | 123  | 114  | 108  | 102  | 86   | -    | -    |
| CDL 64-50-2  | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | 172 | 170  | 167  | 164 | 162 | 157 | 151  | 144  | 137  | 126  | 119  | 112  | 91   | -    | -    |
| CDL 90-10-1  | 100x100 | 11    | 15  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 31   | 29   | 27   | 25   | 24   | 23   | 21   | 16   | 9    |
| CDL 90-10    | 100x100 | 15    | 20  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 36   | 36   | 35   | 33   | 31   | 30   | 29   | 25   | 8    |
| CDL 90-20-2  | 100x100 | 18.5  | 25  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 59   | 58   | 57   | 54   | 51   | 48   | 44   | 36   | 22   |
| CDL 90-20-1  | 100x100 | 22    | 30  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 67   | 66   | 65   | 62   | 59   | 57   | 51   | 44   | 33   |
| CDL 90-20    | 100x100 | 30    | 40  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 76   | 75   | 73   | 69   | 66   | 64   | 60   | 54   | 44   |
| CDL 90-30-2  | 100x100 | 37    | 50  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 98   | 96   | 94   | 88   | 85   | 82   | 75   | 64   | 46   |
| CDL 90-30-1  | 100x100 | 37    | 50  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 108  | 106  | 104  | 98   | 94   | 90   | 83   | 74   | 56   |
| CDL 90-30    | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 116  | 114  | 111  | 105  | 102  | 97   | 93   | 84   | 69   |
| CDL 90-40-2  | 100x100 | 45    | 60  | -          | -   | -   | -   | -   | -   | -    | -    | -   | -   | -   | 141  | 138  | 135  | 128  | 124  | 118  | 109  | 96   | 72   |

CDLF also available

MATERIAL DESCRIPTION

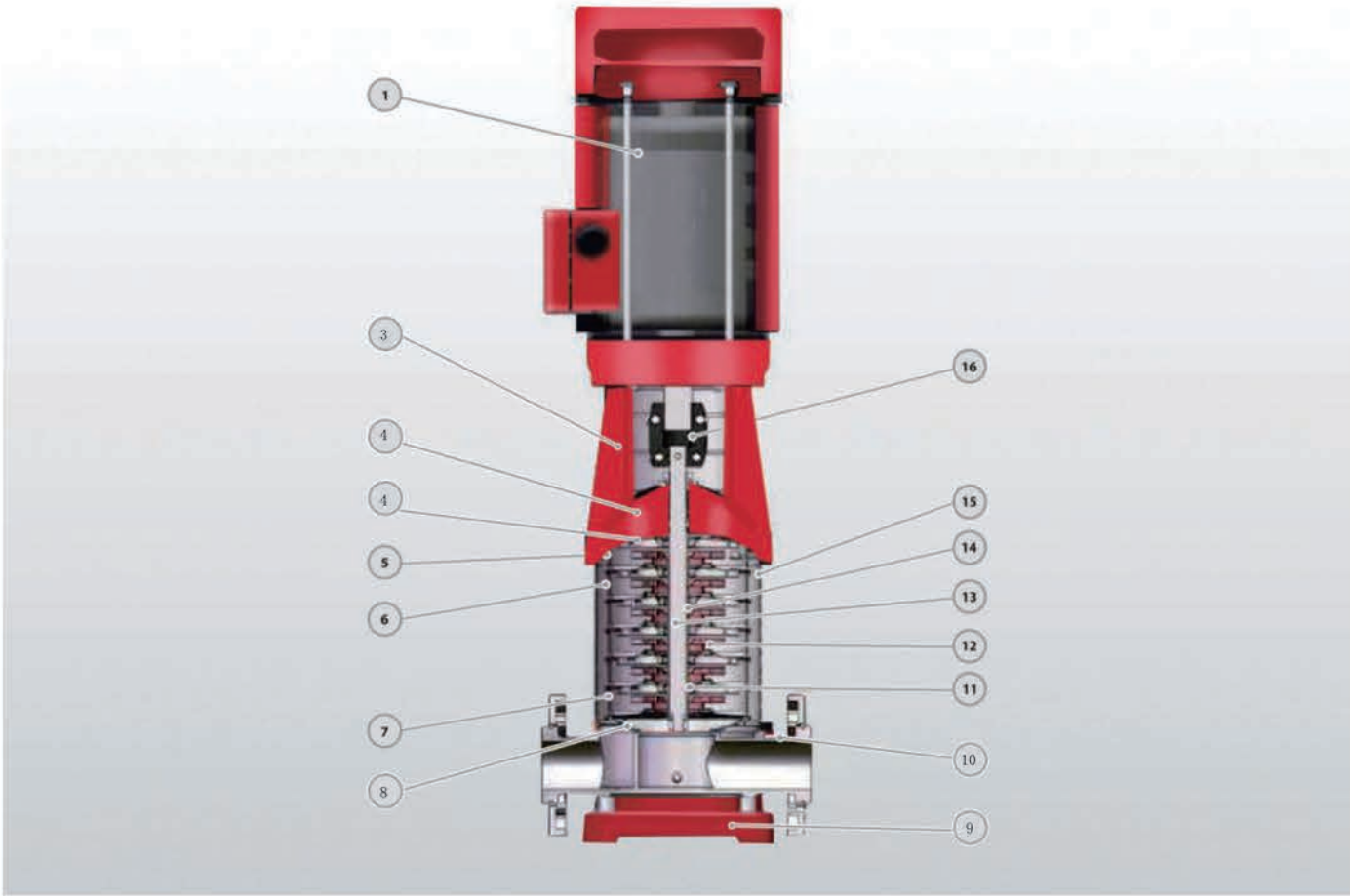


| No. | Description      | Material     |
|-----|------------------|--------------|
| 1   | Motor            | IP55 Class F |
| 2   | Pump Case        | Cast iron    |
| 3   | -                | -            |
| 4   | Mechanical Seal  | SS304        |
| 5   | Top Diffuser     | SS304        |
| 6   | Diffuser         | SS304        |
| 7   | Support Diffuser | SS304        |
| 8   | Inducer          | SS304        |

| No. | Description          | Material         |
|-----|----------------------|------------------|
| 9   | -                    | -                |
| 10  | Inlet&Outlet Chamber | Cast iron        |
| 11  | Bearing              | Tungsten Carbide |
| 12  | Impeller             | SS304            |
| 13  | Shaft                | SS304            |
| 14  | Impeller Sleeve      | SS304            |
| 15  | Cylinder             | SS304            |
| 16  | Coupling             | Carbon Steel     |



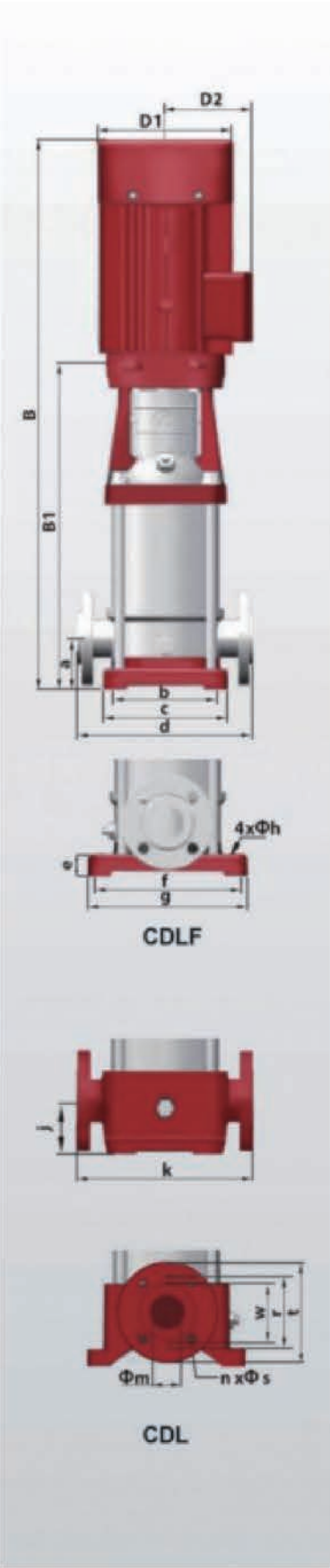
MATERIAL DESCRIPTION



| No. | Description      | Material     |
|-----|------------------|--------------|
| 1   | Motor            | IP55 Class F |
| 2   | Pump Case        | Cast iron    |
| 3   | Seal Base        | SS304        |
| 4   | Mechanical Seal  | SS304        |
| 5   | Top Diffuser     | SS304        |
| 6   | Diffuser         | SS304        |
| 7   | Support Diffuser | SS304        |
| 8   | Inducer          | SS304        |

| No. | Description          | Material         |
|-----|----------------------|------------------|
| 9   | Base plate           | Cast iron        |
| 10  | Inlet&Outlet Chamber | Cast iron        |
| 11  | Bearing              | Tungsten Carbide |
| 12  | Impeller             | SS304            |
| 13  | Shaft                | SS304            |
| 14  | Impeller Sleeve      | SS304            |
| 15  | Cylinder             | SS304            |
| 16  | Coupling             | Carbon Steel     |

DIMENSIONS AND WEIGHT



| MODEL | B1  | B    | D1  | D2  | COMMON  | kg |
|-------|-----|------|-----|-----|---------|----|
| 1-2   | 258 | 483  | 148 | 117 |         | 20 |
| 1-3   | 276 | 501  | 148 | 117 |         | 20 |
| 1-4   | 294 | 519  | 148 | 117 |         | 21 |
| 1-5   | 312 | 537  | 148 | 117 |         | 21 |
| 1-6   | 330 | 555  | 148 | 117 |         | 22 |
| 1-7   | 348 | 573  | 148 | 117 |         | 23 |
| 1-8   | 366 | 591  | 148 | 117 |         | 24 |
| 1-9   | 384 | 609  | 148 | 117 |         | 25 |
| 1-10  | 402 | 627  | 148 | 117 |         | 26 |
| 1-11  | 420 | 645  | 148 | 117 |         | 26 |
| 1-12  | 448 | 693  | 170 | 142 |         | 29 |
| 1-13  | 466 | 711  | 170 | 142 |         | 30 |
| 1-15  | 502 | 747  | 170 | 142 |         | 31 |
| 1-17  | 538 | 783  | 170 | 142 |         | 33 |
| 1-19  | 574 | 819  | 170 | 142 |         | 34 |
| 1-21  | 610 | 855  | 170 | 142 |         | 35 |
| 1-23  | 646 | 891  | 170 | 142 |         | 36 |
| 1-25  | 692 | 982  | 190 | 155 |         | 42 |
| 1-27  | 728 | 1018 | 190 | 155 |         | 43 |
| 1-30  | 782 | 1072 | 190 | 155 |         | 45 |
| 1-33  | 836 | 1126 | 190 | 155 |         | 49 |
| 1-36  | 890 | 1180 | 190 | 155 |         | 51 |
| 2-2   | 258 | 483  | 148 | 117 | DN = 25 | 20 |
| 2-3   | 276 | 501  | 148 | 117 | a = 50  | 20 |
| 2-4   | 294 | 519  | 148 | 117 | b = 100 | 20 |
| 2-5   | 312 | 537  | 148 | 117 | c = 150 | 22 |
| 2-6   | 340 | 585  | 170 | 142 | d = 210 | 23 |
| 2-7   | 358 | 603  | 170 | 142 | e = 20  | 26 |
| 2-9   | 394 | 639  | 170 | 142 | f = 180 | 26 |
| 2-11  | 430 | 675  | 170 | 142 | g = 210 | 28 |
| 2-13  | 476 | 766  | 190 | 155 | h = 13  | 29 |
| 2-15  | 512 | 802  | 190 | 155 | j = 75  | 35 |
| 2-18  | 566 | 856  | 190 | 155 | k = 250 | 36 |
| 2-22  | 638 | 928  | 190 | 155 | m = 32  | 41 |
| 2-26  | 720 | 1065 | 197 | 165 | n = 4   | 42 |
| 3-2   | 258 | 483  | 148 | 117 | r = 85  | 52 |
| 3-3   | 276 | 501  | 148 | 117 | s = 14  | 20 |
| 3-4   | 294 | 519  | 148 | 117 | t = 115 | 21 |
| 3-5   | 312 | 537  | 148 | 117 | w = 60  | 23 |
| 3-6   | 330 | 555  | 148 | 117 |         | 24 |
| 3-7   | 348 | 573  | 148 | 117 |         | 27 |
| 3-8   | 376 | 621  | 170 | 142 |         | 28 |
| 3-9   | 394 | 639  | 170 | 142 |         | 28 |
| 3-10  | 412 | 657  | 170 | 142 |         | 29 |
| 3-11  | 430 | 675  | 170 | 142 |         | 30 |
| 3-12  | 448 | 693  | 170 | 142 |         | 31 |
| 3-13  | 466 | 711  | 170 | 142 |         | 32 |
| 3-15  | 502 | 747  | 170 | 142 |         | 38 |
| 3-17  | 548 | 838  | 190 | 155 |         | 39 |
| 3-19  | 584 | 874  | 190 | 155 |         | 42 |
| 3-21  | 620 | 910  | 190 | 155 |         | 43 |
| 3-23  | 656 | 946  | 190 | 155 |         | 44 |
| 3-25  | 692 | 982  | 190 | 155 |         | 45 |
| 3-27  | 728 | 1018 | 190 | 155 |         | 46 |
| 3-29  | 764 | 1054 | 190 | 155 |         | 54 |
| 3-31  | 810 | 1155 | 197 | 165 |         | 55 |
| 3-33  | 846 | 1191 | 197 | 165 |         | 57 |
| 3-36  | 900 | 1245 | 197 | 165 |         | 57 |

50 Hz    n=2900    l/min

| MODEL | B1  | B    | D1  | D2  | COMMON  | kg  |
|-------|-----|------|-----|-----|---------|-----|
| 4-2   | 276 | 501  | 148 | 117 |         | 21  |
| 4-3   | 303 | 528  | 148 | 117 | DN = 32 | 22  |
| 4-4   | 340 | 585  | 170 | 142 | a = 50  | 25  |
| 4-5   | 367 | 612  | 170 | 142 | b = 100 | 27  |
| 4-6   | 394 | 639  | 170 | 142 | c = 150 | 27  |
| 4-7   | 431 | 721  | 190 | 155 | d = 210 | 33  |
| 4-8   | 458 | 748  | 190 | 155 | e = 20  | 33  |
| 4-10  | 512 | 802  | 190 | 155 | f = 180 | 37  |
| 4-12  | 566 | 856  | 190 | 155 | g = 210 | 38  |
| 4-14  | 630 | 975  | 197 | 165 | h = 13  | 46  |
| 4-16  | 684 | 1029 | 197 | 165 | j = 75  | 48  |
| 4-19  | 765 | 1120 | 230 | 188 | k = 250 | 57  |
| 4-22  | 846 | 1201 | 230 | 188 | m = 32  | 59  |
| 8-2-1 | 347 | 592  | 170 | 142 | n = 4   | 32  |
| 8-2   | 347 | 592  | 170 | 142 | r = 100 | 32  |
| 8-3   | 377 | 622  | 170 | 142 | s = 18  | 34  |
| 8-4   | 417 | 707  | 190 | 155 | t = 140 | 40  |
| 8-5   | 447 | 737  | 190 | 155 | w = 60  | 44  |
| 8-6   | 477 | 767  | 190 | 155 |         | 45  |
| 8-8   | 547 | 892  | 197 | 165 |         | 53  |
| 8-10  | 607 | 962  | 230 | 188 |         | 64  |
| 8-12  | 667 | 1022 | 230 | 188 | DN = 40 | 66  |
| 8-14  | 747 | 1137 | 260 | 208 | a = 80  | 81  |
| 8-16  | 807 | 1197 | 260 | 208 | b = 130 | 84  |
| 8-18  | 867 | 1257 | 260 | 208 | c = 199 | 93  |
| 8-20  | 927 | 1317 | 260 | 208 | d = 260 | 94  |
| 10-1  | 347 | 592  | 170 | 142 | e = 25  | 40  |
| 10-2  | 347 | 592  | 170 | 142 | f = 215 | 41  |
| 10-3  | 377 | 622  | 170 | 142 | g = 247 | 43  |
| 10-4  | 417 | 707  | 190 | 155 | h = 14  | 49  |
| 10-5  | 447 | 737  | 190 | 155 | j = 80  | 53  |
| 10-6  | 477 | 767  | 190 | 155 | k = 280 | 54  |
| 10-7  | 517 | 862  | 197 | 165 | m = 50  | 64  |
| 10-8  | 547 | 892  | 197 | 165 | n = 4   | 65  |
| 10-9  | 577 | 922  | 197 | 165 | r = 110 | 66  |
| 10-10 | 607 | 962  | 230 | 188 | s = 18  | 74  |
| 10-12 | 667 | 1022 | 230 | 188 | t = 150 | 76  |
| 10-14 | 747 | 1137 | 260 | 208 | w = 80  | 100 |
| 10-16 | 807 | 1197 | 260 | 208 |         | 102 |
| 10-18 | 867 | 1257 | 260 | 208 |         | 107 |
| 10-20 | 927 | 1317 | 260 | 208 |         | 109 |
| 12-2  | 367 | 687  | 190 | 155 |         | 39  |
| 12-3  | 397 | 782  | 190 | 155 |         | 43  |
| 12-4  | 437 | 812  | 197 | 165 |         | 51  |
| 12-5  | 467 | 852  | 197 | 165 | DN = 50 | 53  |
| 12-6  | 497 | 937  | 230 | 188 | a = 90  | 61  |
| 12-7  | 547 | 967  | 260 | 208 | b = 130 | 73  |
| 12-8  | 577 | 997  | 260 | 208 | c = 199 | 74  |
| 12-9  | 607 | 1027 | 260 | 208 | d = 260 | 76  |
| 12-10 | 637 | 1087 | 260 | 208 | e = 35  | 83  |
| 12-12 | 697 | 1345 | 260 | 208 | f = 215 | 87  |
| 12-14 | 845 | 1405 | 330 | 255 | g = 247 | 157 |
| 12-16 | 905 | 1465 | 330 | 255 | h = 14  | 161 |
| 12-18 | 965 | 330  | 255 |     | j = 90  | 164 |
|       |     |      |     |     | k = 300 |     |
|       |     |      |     |     | m = 50  |     |
|       |     |      |     |     | n = 4   |     |
|       |     |      |     |     | r = 125 |     |
|       |     |      |     |     | s = 18  |     |
|       |     |      |     |     | t = 165 |     |
|       |     |      |     |     | w = 80  |     |

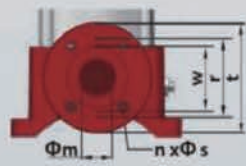
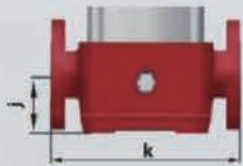


## DIMENSIONS AND WEIGHT

50 Hz n=2900 l/min



CDLF



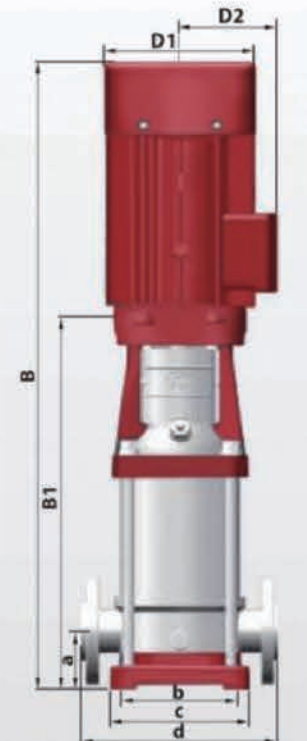
CDL

| MODEL    | B1   | B    | D1  | D2  | COMMON | kg  |
|----------|------|------|-----|-----|--------|-----|
| 16-2     | 397  | 687  | 190 | 155 |        | 42  |
| 16-3     | 452  | 797  | 197 | 165 |        | 50  |
| 16-4     | 497  | 852  | 230 | 188 |        | 59  |
| 16-5     | 562  | 952  | 260 | 208 |        | 76  |
| 16-6     | 607  | 997  | 260 | 208 |        | 77  |
| 16-7     | 652  | 1042 | 260 | 208 |        | 84  |
| 16-8     | 697  | 1087 | 260 | 208 |        | 86  |
| 16-10    | 875  | 1375 | 330 | 255 |        | 158 |
| 16-12    | 965  | 1465 | 330 | 255 |        | 161 |
| 16-14    | 1055 | 1555 | 330 | 255 |        | 174 |
| 16-16    | 1145 | 1645 | 330 | 255 |        | 178 |
| 20-1     | 387  | 632  | 170 | 142 |        | 33  |
| 20-2     | 397  | 687  | 190 | 155 |        | 42  |
| 20-3     | 452  | 807  | 230 | 188 |        | 58  |
| 20-4     | 517  | 907  | 260 | 208 |        | 74  |
| 20-5     | 562  | 952  | 260 | 208 |        | 76  |
| 20-6     | 607  | 997  | 260 | 208 |        | 82  |
| 20-7     | 652  | 1042 | 260 | 208 |        | 84  |
| 20-8     | 785  | 1285 | 330 | 255 |        | 153 |
| 20-10    | 875  | 1375 | 330 | 255 |        | 157 |
| 20-12    | 965  | 1465 | 330 | 255 |        | 170 |
| 20-14    | 1055 | 1555 | 330 | 255 |        | 172 |
| 20-17    | 1190 | 1740 | 330 | 255 |        | 195 |
| 32-10-1  | 505  | 795  | 190 | 155 |        | 64  |
| 32-10    | 505  | 795  | 190 | 155 |        | 68  |
| 32-20-2  | 575  | 920  | 197 | 165 |        | 77  |
| 32-20    | 575  | 930  | 230 | 188 |        | 85  |
| 32-30-2  | 645  | 1035 | 260 | 208 |        | 100 |
| 32-30    | 645  | 1035 | 260 | 208 |        | 100 |
| 32-40-2  | 715  | 1105 | 260 | 208 |        | 109 |
| 32-40    | 715  | 1105 | 260 | 208 |        | 109 |
| 32-50-2  | 890  | 1390 | 330 | 255 | DN=50  | 181 |
| 32-50    | 890  | 1390 | 330 | 255 | a=90   | 181 |
| 32-60-2  | 960  | 1460 | 330 | 255 | b=130  | 185 |
| 32-60    | 960  | 1460 | 330 | 255 | C=199  | 185 |
| 32-70-2  | 1030 | 1530 | 330 | 255 | d=260  | 199 |
| 32-70    | 1030 | 1530 | 330 | 255 | e=35   | 199 |
| 32-80-2  | 1100 | 1600 | 330 | 255 | f=215  | 203 |
| 32-80    | 1100 | 1600 | 330 | 255 | g=247  | 203 |
| 32-90-2  | 1170 | 1720 | 330 | 255 | h=14   | 222 |
| 32-90    | 1170 | 1720 | 330 | 255 | j=90   | 222 |
| 32-100-2 | 1240 | 1790 | 330 | 255 | k=300  | 227 |
| 32-100   | 1240 | 1790 | 330 | 255 | m=50   | 227 |
| 32-110-2 | 1310 | 1885 | 360 | 285 | n=4    | 272 |
| 32-110   | 1310 | 1885 | 360 | 285 | r=125  | 272 |
| 32-120-2 | 1380 | 1955 | 360 | 285 | s=18   | 276 |
| 32-120   | 1380 | 1955 | 360 | 285 | t=165  | 276 |
| 32-130-2 | 1450 | 2100 | 400 | 310 | w=80   | 337 |
| 32-130   | 1450 | 2100 | 400 | 310 |        | 337 |
| 32-140-2 | 1520 | 2170 | 400 | 310 |        | 341 |
| 32-140   | 1520 | 2170 | 400 | 310 |        | 341 |
| 32-150-2 | 1590 | 2240 | 400 | 310 |        | 345 |
| 32-150   | 1590 | 2240 | 400 | 310 |        | 345 |
| 32-160-2 | 1660 | 2310 | 400 | 310 |        | 350 |
| 32-160   | 1660 | 2310 | 400 | 310 |        | 350 |

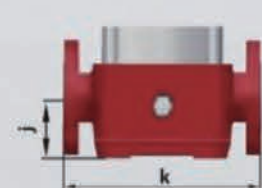
| MODEL    | B1   | B    | D1  | D2  | COMMON   | kg  |
|----------|------|------|-----|-----|----------|-----|
| 45-10-1  | 561  | 906  | 197 | 165 |          | 83  |
| 45-10    | 561  | 916  | 230 | 188 |          | 90  |
| 45-20-2  | 641  | 1031 | 260 | 208 |          | 105 |
| 45-20    | 641  | 1031 | 260 | 208 |          | 110 |
| 45-30-2  | 826  | 1326 | 330 | 255 |          | 183 |
| 45-30    | 826  | 1326 | 330 | 255 |          | 183 |
| 45-40-2  | 906  | 1406 | 330 | 255 | DN = 80  | 197 |
| 45-40    | 906  | 1406 | 330 | 255 | a = 140  | 197 |
| 45-50-2  | 986  | 1536 | 330 | 255 | b = 190  | 221 |
| 45-50    | 986  | 1536 | 330 | 255 | c = 245  | 221 |
| 45-60-2  | 1066 | 1641 | 360 | 285 | d = 365  | 261 |
| 45-60    | 1066 | 1641 | 360 | 285 | e = 45   | 261 |
| 45-70-2  | 1146 | 1796 | 400 | 310 | f = 266  | 320 |
| 45-70    | 1146 | 1796 | 400 | 310 | g = 330  | 320 |
| 45-80-2  | 1226 | 1876 | 400 | 310 | h = 14   | 324 |
| 45-80    | 1226 | 1876 | 400 | 310 | j = 140  | 324 |
| 45-90-2  | 1306 | 1956 | 400 | 310 | k = 365  | 328 |
| 45-90    | 1306 | 1956 | 400 | 310 | m = 80   | 352 |
| 45-100-2 | 1386 | 2036 | 400 | 310 | n = 8    | 355 |
| 45-100   | 1386 | 2036 | 400 | 310 | r = 160  | 355 |
| 45-110-2 | 1466 | 2151 | 450 | 345 | s = 18   | 426 |
| 45-110   | 1466 | 2151 | 450 | 345 | t = 200  | 426 |
| 45-120-2 | 1546 | 2231 | 450 | 345 | w = 120  | 432 |
| 45-120   | 1546 | 2231 | 450 | 345 |          | 432 |
| 45-130-2 | 1626 | 2311 | 450 | 345 |          | 438 |
| 64-10-1  | 561  | 916  | 230 | 188 |          | 93  |
| 64-10    | 561  | 951  | 260 | 208 |          | 105 |
| 64-20-2  | 644  | 1034 | 260 | 208 |          | 110 |
| 64-20-1  | 754  | 1254 | 330 | 255 |          | 182 |
| 64-20    | 754  | 1254 | 330 | 255 |          | 182 |
| 64-30-2  | 836  | 1336 | 330 | 255 | DN = 100 | 196 |
| 64-30-1  | 836  | 1336 | 330 | 255 | a = 140  | 197 |
| 64-30    | 836  | 1386 | 330 | 255 | b = 190  | 221 |
| 65-40-2  | 919  | 1469 | 330 | 255 | c = 245  | 225 |
| 64-40-1  | 919  | 1494 | 360 | 285 | d = 365  | 258 |
| 64-40    | 919  | 1494 | 360 | 285 | e = 45   | 258 |
| 64-50-2  | 1001 | 1651 | 400 | 310 | f = 266  | 319 |
| 64-50-1  | 1001 | 1651 | 400 | 310 | g = 330  | 319 |
| 64-50    | 1001 | 1651 | 400 | 310 | h = 14   | 320 |
| 64-60-2  | 1084 | 1734 | 400 | 310 | j = 140  | 325 |
| 64-60-1  | 1084 | 1734 | 400 | 310 | k = 365  | 349 |
| 64-60    | 1084 | 1734 | 400 | 310 | m = 100  | 349 |
| 64-70-2  | 1166 | 1816 | 400 | 310 | n = 8    | 353 |
| 64-70-1  | 1166 | 1816 | 400 | 310 | r = 180  | 353 |
| 64-70    | 1166 | 1851 | 460 | 340 | s = 18   | 420 |
| 64-80-2  | 1248 | 1933 | 460 | 340 | t = 200  | 424 |
| 64-80-1  | 1248 | 1933 | 460 | 340 | w = 150  | 424 |
| 90-10-1  | 571  | 961  | 260 | 208 |          | 105 |
| 90-10    | 571  | 961  | 260 | 208 | DN = 100 | 110 |
| 90-20-2  | 773  | 1273 | 330 | 255 | a = 140  | 181 |
| 90-20    | 773  | 1273 | 330 | 255 | b = 199  | 192 |
| 90-30-2  | 865  | 1415 | 330 | 255 | c = 255  | 215 |
| 90-30    | 865  | 1440 | 360 | 285 | d = 380  | 252 |
| 90-40-2  | 957  | 1607 | 400 | 310 | e = 45   | 312 |
| 90-40    | 957  | 1607 | 400 | 310 | f = 280  | 312 |
| 90-50-2  | 1049 | 1699 | 400 | 310 | g = 348  | 336 |
| 90-50    | 1049 | 1699 | 400 | 310 | h = 14   | 336 |
| 90-60-2  | 1141 | 1826 | 460 | 340 | j = 140  | 407 |
| 90-60    | 1141 | 1826 | 460 | 340 | k = 380  | 407 |

## DIMENSIONS AND WEIGHT

60 Hz n=3500 l/min



CDLF



CDL

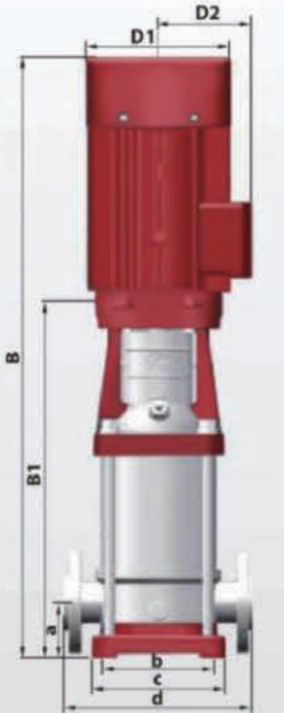
| MODEL | B1  | B    | D1  | D2  | COMMON  | kg |
|-------|-----|------|-----|-----|---------|----|
| 1-2   | 258 | 483  | 148 | 117 |         | 20 |
| 1-3   | 276 | 501  | 148 | 117 |         | 20 |
| 1-4   | 294 | 519  | 148 | 117 |         | 21 |
| 1-5   | 312 | 537  | 148 | 117 |         | 22 |
| 1-6   | 330 | 555  | 148 | 117 |         | 23 |
| 1-7   | 358 | 603  | 170 | 142 |         | 26 |
| 1-8   | 376 | 621  | 170 | 142 |         | 27 |
| 1-9   | 394 | 639  | 170 | 142 |         | 28 |
| 1-10  | 412 | 657  | 170 | 142 |         | 29 |
| 1-11  | 430 | 675  | 170 | 142 |         | 29 |
| 1-12  | 448 | 693  | 170 | 142 |         | 30 |
| 1-13  | 466 | 711  | 170 | 142 |         | 31 |
| 1-15  | 512 | 802  | 190 | 155 | DN = 25 | 37 |
| 1-17  | 548 | 838  | 190 | 155 | a = 50  | 38 |
| 1-19  | 584 | 874  | 190 | 155 | b = 100 | 41 |
| 1-21  | 620 | 910  | 190 | 155 | c = 150 | 42 |
| 1-23  | 656 | 946  | 190 | 155 | d = 210 | 43 |
| 1-25  | 702 | 1047 | 197 | 165 | e = 20  | 51 |
| 2-2   | 258 | 483  | 148 | 117 | f = 180 | 21 |
| 2-3   | 286 | 531  | 170 | 142 | g = 210 | 24 |
| 2-4   | 304 | 549  | 170 | 142 | h = 13  | 25 |
| 2-5   | 322 | 567  | 170 | 142 | j = 75  | 26 |
| 2-6   | 340 | 585  | 170 | 142 | k = 250 | 26 |
| 2-7   | 368 | 658  | 190 | 155 | m = 32  | 32 |
| 2-9   | 404 | 694  | 190 | 155 | n = 4   | 36 |
| 2-11  | 440 | 730  | 190 | 155 | r = 85  | 37 |
| 2-13  | 486 | 831  | 197 | 165 | s = 14  | 44 |
| 2-15  | 522 | 867  | 197 | 165 | t = 115 | 45 |
| 2-18  | 576 | 931  | 230 | 188 | w = 60  | 54 |
| 3-2   | 258 | 483  | 148 | 117 |         | 20 |
| 3-3   | 276 | 501  | 148 | 117 |         | 21 |
| 3-4   | 294 | 519  | 148 | 117 |         | 22 |
| 3-5   | 322 | 567  | 170 | 142 |         | 25 |
| 3-6   | 340 | 585  | 170 | 142 |         | 26 |
| 3-7   | 358 | 603  | 170 | 142 |         | 27 |
| 3-8   | 376 | 621  | 170 | 142 |         | 27 |
| 3-9   | 404 | 694  | 190 | 155 |         | 33 |
| 3-10  | 422 | 712  | 190 | 155 |         | 34 |
| 3-11  | 440 | 730  | 190 | 155 |         | 34 |
| 3-12  | 458 | 748  | 190 | 155 |         | 37 |
| 3-13  | 476 | 766  | 190 | 155 |         | 38 |
| 3-15  | 512 | 802  | 190 | 155 |         | 39 |
| 3-17  | 548 | 838  | 190 | 155 |         | 40 |
| 3-19  | 594 | 939  | 197 | 165 |         | 48 |
| 3-21  | 630 | 975  | 197 | 165 |         | 49 |
| 3-23  | 666 | 1011 | 197 | 165 |         | 50 |
| 3-25  | 702 | 1057 | 230 | 188 |         | 58 |

| MODEL  | B1  | B    | D1  | D2  | COMMON                                                                                                                                                                          | kg  |
|--------|-----|------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 4-2    | 286 | 531  | 170 | 142 | DN = 32<br>a = 50<br>b = 100<br>c = 150<br>d = 210<br>e = 20<br>f = 180<br>g = 210<br>h = 13<br>j = 75<br>k = 250<br>m = 32<br>n = 4<br>r = 100<br>s = 18<br>t = 140<br>w = 60  | 24  |
| 4-3    | 313 | 558  | 170 | 142 |                                                                                                                                                                                 | 25  |
| 4-4    | 350 | 640  | 190 | 155 |                                                                                                                                                                                 | 31  |
| 4-5    | 376 | 667  | 190 | 155 |                                                                                                                                                                                 | 34  |
| 4-6    | 404 | 694  | 190 | 155 |                                                                                                                                                                                 | 35  |
| 4-7    | 441 | 786  | 197 | 165 |                                                                                                                                                                                 | 42  |
| 4-8    | 468 | 813  | 197 | 165 |                                                                                                                                                                                 | 42  |
| 4-10   | 522 | 877  | 230 | 188 |                                                                                                                                                                                 | 51  |
| 4-12   | 576 | 931  | 230 | 188 |                                                                                                                                                                                 | 52  |
| 4-14   | 650 | 1040 | 260 | 208 |                                                                                                                                                                                 | 64  |
| 4-16   | 704 | 1094 | 260 | 208 | 66                                                                                                                                                                              |     |
| 08-2-1 | 347 | 592  | 170 | 142 | DN = 40<br>a = 80<br>b = 130<br>c = 199<br>d = 260<br>e = 25<br>f = 215<br>g = 247<br>h = 14<br>j = 80<br>k = 280<br>m = 50<br>n = 4<br>r = 1 10<br>s = 18<br>t = 150<br>w = 80 | 32  |
| 8-2    | 357 | 647  | 190 | 155 |                                                                                                                                                                                 | 38  |
| 8-3    | 387 | 677  | 190 | 155 |                                                                                                                                                                                 | 41  |
| 8-4    | 427 | 772  | 197 | 165 |                                                                                                                                                                                 | 49  |
| 8-5    | 457 | 802  | 197 | 165 |                                                                                                                                                                                 | 50  |
| 8-6    | 487 | 842  | 230 | 188 |                                                                                                                                                                                 | 58  |
| 8-8    | 567 | 957  | 260 | 208 |                                                                                                                                                                                 | 71  |
| 8-10   | 627 | 1017 | 260 | 208 |                                                                                                                                                                                 | 80  |
| 8-12   | 687 | 1077 | 260 | 208 |                                                                                                                                                                                 | 82  |
| 8-14   | 835 | 1335 | 330 | 255 |                                                                                                                                                                                 | 153 |
| 10-1   | 347 | 592  | 170 | 142 |                                                                                                                                                                                 | 40  |
| 10-2   | 347 | 637  | 190 | 155 |                                                                                                                                                                                 | 47  |
| 10-3   | 377 | 667  | 190 | 155 |                                                                                                                                                                                 | 51  |
| 10-4   | 417 | 762  | 197 | 165 |                                                                                                                                                                                 | 60  |
| 10-5   | 447 | 792  | 197 | 165 |                                                                                                                                                                                 | 61  |
| 10-6   | 477 | 832  | 230 | 188 |                                                                                                                                                                                 | 70  |
| 10-7   | 517 | 907  | 260 | 208 |                                                                                                                                                                                 | 92  |
| 10-8   | 547 | 937  | 260 | 208 |                                                                                                                                                                                 | 93  |
| 10-9   | 577 | 967  | 260 | 208 |                                                                                                                                                                                 | 94  |
| 10-10  | 607 | 997  | 260 | 208 |                                                                                                                                                                                 | 98  |
| 10-12  | 667 | 1057 | 260 | 208 | 100                                                                                                                                                                             |     |
| 10-14  | 747 | 1247 | 330 | 255 | 157                                                                                                                                                                             |     |
| 10-16  | 807 | 1307 | 330 | 255 | 159                                                                                                                                                                             |     |
| 10-17  | 837 | 1337 | 330 | 255 | 160                                                                                                                                                                             |     |
| 12-1   | 357 | 602  | 170 | 142 | 50<br>a = 90<br>b = 130<br>c = 199<br>d = 260<br>e = 35<br>f = 215<br>g = 247<br>h = 14<br>j = 90<br>k = 300<br>m = 50<br>n = 4<br>r = 125<br>s = 18<br>t = 165<br>w = 80       | 32  |
| 12-2   | 367 | 657  | 190 | 155 |                                                                                                                                                                                 | 41  |
| 12-3   | 407 | 762  | 230 | 188 |                                                                                                                                                                                 | 56  |
| 12-4   | 457 | 847  | 260 | 208 |                                                                                                                                                                                 | 69  |
| 12-5   | 487 | 877  | 260 | 208 |                                                                                                                                                                                 | 71  |
| 12-6   | 517 | 907  | 260 | 208 |                                                                                                                                                                                 | 77  |
| 12-7   | 547 | 937  | 260 | 208 |                                                                                                                                                                                 | 78  |
| 12-8   | 665 | 1165 | 330 | 255 |                                                                                                                                                                                 | 147 |
| 12-10  | 725 | 1225 | 330 | 255 |                                                                                                                                                                                 | 151 |
| 12-12  | 785 | 1285 | 330 | 255 |                                                                                                                                                                                 | 164 |
| 12-14  | 845 | 1345 | 330 | 255 | 167                                                                                                                                                                             |     |
|        |     |      |     |     |                                                                                                                                                                                 |     |

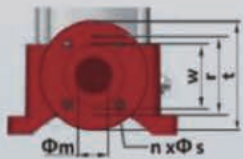
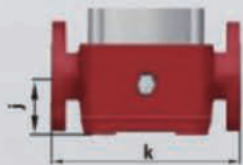


DIMENSIONS AND WEIGHT

60 Hz    n=3500    l/min



CDLF



CDL

| MODEL    | B1   | B    | D1  | D2  | COMMON                                                                                                                                                                              | kg  | MODEL   | B1   | B    | D1  | D2  | COMMON                                                                                                                                                                              | kg  |
|----------|------|------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------|------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 16-2-1   | 397  | 687  | 190 | 155 | DN = 50<br>a = 90<br>b = 130<br>c = 199<br>d = 260<br>e = 35<br>f = 215<br>g = 247<br>h = 14<br>j = 90<br>k = 300<br>m = 50<br>n = 4<br>r = 125<br>s = 18<br>t = 165<br>w = 80      | 42  | 45-10-1 | 561  | 952  | 260 | 208 | DN = 80<br>a = 140<br>b = 190<br>c = 245<br>d = 365<br>e = 45<br>f = 266<br>g = 330<br>h = 14<br>j = 140<br>k = 365<br>m = 80<br>n = 8<br>r = 160<br>s = 18<br>t = 200<br>w = 120   | 101 |
| 16-2     | 407  | 762  | 230 | 188 |                                                                                                                                                                                     | 56  | 45-10   | 561  | 952  | 260 | 208 |                                                                                                                                                                                     | 106 |
| 16-3     | 472  | 862  | 260 | 208 |                                                                                                                                                                                     | 68  | 45-20-2 | 748  | 1248 | 330 | 255 |                                                                                                                                                                                     | 178 |
| 16-4     | 517  | 907  | 260 | 208 |                                                                                                                                                                                     | 75  | 45-20   | 748  | 1248 | 330 | 255 |                                                                                                                                                                                     | 188 |
| 16-5     | 650  | 1150 | 330 | 255 |                                                                                                                                                                                     | 148 | 45-30-2 | 828  | 1378 | 330 | 255 |                                                                                                                                                                                     | 213 |
| 16-6     | 695  | 1195 | 330 | 255 |                                                                                                                                                                                     | 150 | 45-30   | 828  | 1378 | 330 | 255 |                                                                                                                                                                                     | 213 |
| 16-7     | 740  | 1240 | 330 | 255 |                                                                                                                                                                                     | 161 | 45-40-2 | 908  | 1483 | 360 | 285 |                                                                                                                                                                                     | 253 |
| 16-8     | 785  | 1285 | 330 | 255 |                                                                                                                                                                                     | 163 | 45-40   | 908  | 1558 | 400 | 310 |                                                                                                                                                                                     | 309 |
| 16-10    | 875  | 1425 | 330 | 255 |                                                                                                                                                                                     | 186 | 45-50-2 | 988  | 1638 | 400 | 310 |                                                                                                                                                                                     | 313 |
| 20-1     | 397  | 687  | 190 | 155 |                                                                                                                                                                                     | 41  | 45-50   | 988  | 1638 | 400 | 310 |                                                                                                                                                                                     | 313 |
| 20-2     | 407  | 762  | 230 | 188 | DN = 65<br>a = 105<br>b = 170<br>c = 225<br>d = 320<br>e = 30<br>f = 240<br>g = 298<br>h = 14<br>j = 105<br>k = 320<br>m = 74<br>n = 8<br>r = 145<br>s = 18<br>t = 185<br>w = 107   | 56  | 45-60-2 | 1068 | 1718 | 400 | 310 | DN = 100<br>a = 140<br>b = 190<br>c = 245<br>d = 365<br>e = 45<br>f = 266<br>g = 330<br>h = 14<br>j = 140<br>k = 365<br>m = 100<br>n = 8<br>r = 180<br>s = 18<br>t = 200<br>w = 150 | 340 |
| 20-3     | 472  | 862  | 260 | 208 |                                                                                                                                                                                     | 69  | 45-60   | 1068 | 1718 | 400 | 310 |                                                                                                                                                                                     | 340 |
| 20-4     | 517  | 907  | 260 | 208 |                                                                                                                                                                                     | 79  | 45-70-2 | 1148 | 1833 | 460 | 340 |                                                                                                                                                                                     | 404 |
| 20-5     | 650  | 1150 | 330 | 255 |                                                                                                                                                                                     | 148 | 45-70   | 1148 | 1833 | 460 | 340 |                                                                                                                                                                                     | 404 |
| 20-6     | 695  | 1195 | 330 | 255 |                                                                                                                                                                                     | 150 | 64-10-1 | 561  | 951  | 260 | 208 |                                                                                                                                                                                     | 109 |
| 20-7     | 740  | 1240 | 330 | 255 |                                                                                                                                                                                     | 162 | 64-10   | 671  | 1171 | 330 | 255 |                                                                                                                                                                                     | 177 |
| 20-8     | 785  | 1285 | 330 | 255 |                                                                                                                                                                                     | 163 | 64-20-2 | 754  | 1254 | 330 | 255 |                                                                                                                                                                                     | 187 |
| 20-10    | 875  | 1425 | 330 | 255 |                                                                                                                                                                                     | 187 | 64-20   | 754  | 1329 | 360 | 285 |                                                                                                                                                                                     | 248 |
| 32-10-1  | 505  | 850  | 197 | 165 |                                                                                                                                                                                     | 73  | 64-30-2 | 836  | 1411 | 360 | 285 |                                                                                                                                                                                     | 252 |
| 32-10    | 505  | 860  | 230 | 188 |                                                                                                                                                                                     | 81  | 64-30   | 836  | 1486 | 400 | 310 |                                                                                                                                                                                     | 313 |
| 32-20-2  | 575  | 965  | 260 | 208 | DN = 100<br>a = 140<br>b = 199<br>c = 255<br>d = 380<br>e = 45<br>f = 280<br>g = 348<br>h = 14<br>j = 140<br>k = 380<br>m = 100<br>n = 8<br>r = 180<br>s = 18<br>t = 220<br>w = 150 | 95  | 64-40-2 | 919  | 1569 | 400 | 310 | DN = 100<br>a = 140<br>b = 199<br>c = 255<br>d = 380<br>e = 45<br>f = 280<br>g = 348<br>h = 14<br>j = 140<br>k = 380<br>m = 100<br>n = 8<br>r = 180<br>s = 18<br>t = 220<br>w = 150 | 336 |
| 32-20    | 575  | 965  | 260 | 208 |                                                                                                                                                                                     | 101 | 64-40   | 919  | 1604 | 460 | 340 |                                                                                                                                                                                     | 398 |
| 32-30-2  | 645  | 1035 | 330 | 255 |                                                                                                                                                                                     | 104 | 64-50-2 | 1001 | 1686 | 460 | 340 |                                                                                                                                                                                     | 402 |
| 32-30    | 750  | 1250 | 330 | 255 |                                                                                                                                                                                     | 172 | 90-10-1 | 571  | 1071 | 330 | 255 |                                                                                                                                                                                     | 177 |
| 32-40-2  | 820  | 1320 | 330 | 255 |                                                                                                                                                                                     | 176 | 90-10   | 571  | 1071 | 330 | 255 |                                                                                                                                                                                     | 188 |
| 32-40    | 820  | 1320 | 330 | 255 |                                                                                                                                                                                     | 186 | 90-20-2 | 773  | 1323 | 330 | 255 |                                                                                                                                                                                     | 211 |
| 32-50-2  | 890  | 1390 | 330 | 255 |                                                                                                                                                                                     | 191 | 90-20-1 | 773  | 1348 | 360 | 285 |                                                                                                                                                                                     | 248 |
| 32-50    | 890  | 1440 | 330 | 255 |                                                                                                                                                                                     | 211 | 90-20   | 773  | 1423 | 400 | 310 |                                                                                                                                                                                     | 304 |
| 32-60-2  | 960  | 1510 | 330 | 255 |                                                                                                                                                                                     | 216 | 90-30-2 | 865  | 1515 | 400 | 310 |                                                                                                                                                                                     | 330 |
| 32-60    | 960  | 1510 | 330 | 255 |                                                                                                                                                                                     | 216 | 90-30-1 | 865  | 1515 | 400 | 310 |                                                                                                                                                                                     | 330 |
| 32-70-2  | 1030 | 1605 | 360 | 285 |                                                                                                                                                                                     | 255 | 90-30   | 865  | 1550 | 460 | 340 |                                                                                                                                                                                     | 392 |
| 32-70    | 1030 | 1605 | 360 | 285 |                                                                                                                                                                                     | 255 | 90-40-2 | 957  | 1642 | 460 | 340 |                                                                                                                                                                                     | 396 |
| 32-80-2  | 1100 | 1675 | 400 | 310 |                                                                                                                                                                                     | 259 |         |      |      |     |     |                                                                                                                                                                                     |     |
| 32-80    | 1100 | 1750 | 400 | 310 |                                                                                                                                                                                     | 315 |         |      |      |     |     |                                                                                                                                                                                     |     |
| 32-90-2  | 1170 | 1820 | 400 | 310 |                                                                                                                                                                                     | 319 |         |      |      |     |     |                                                                                                                                                                                     |     |
| 32-90    | 1170 | 1820 | 400 | 310 |                                                                                                                                                                                     | 319 |         |      |      |     |     |                                                                                                                                                                                     |     |
| 32-100-2 | 1240 | 1890 | 400 | 310 |                                                                                                                                                                                     | 324 |         |      |      |     |     |                                                                                                                                                                                     |     |
|          |      |      |     |     |                                                                                                                                                                                     |     |         |      |      |     |     |                                                                                                                                                                                     |     |

SVP  
VERTICAL MULTISTAGE CENTRIFUGAL PUMP

DESCRIPTION

- ◆ New design noiseless, energy-saving multistage pump
- ◆ Ensuring durability and easy in operation
- ◆ A wide range of products will meet every requirement
- ◆ YE3 high efficient motor, with protection IP55 class F
- ◆ Impeller in techno-polimer
- ◆ Suction and discharge port in cast iron G20 thread
- ◆ Quality NSK bearing, wear resistance mechanical seal
- ◆ Compact and proportional design

USING LIMITS

- ◆ Liquid temperature between - 10°C and +120°C
- ◆ Ambient temperature between - 10°C and +50°C
- ◆ Max working pressure 15bar
- ◆ Continuous service S1

APPLICATIONS

The high efficiency and noiseless operation which allows these pumps to be used in conditions households, irrigation, car washes, fire protection systems, air conditioning and lifting installations water pressure in the network.

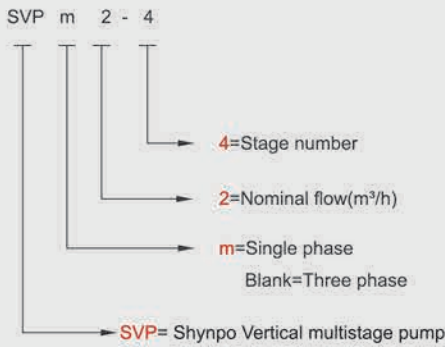


SVP



MODEL CODE

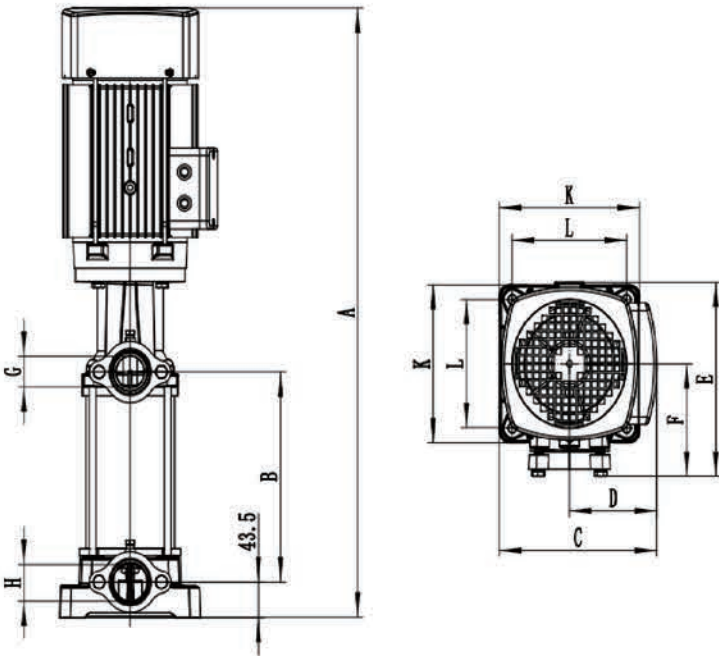
FOR EXAMPLE



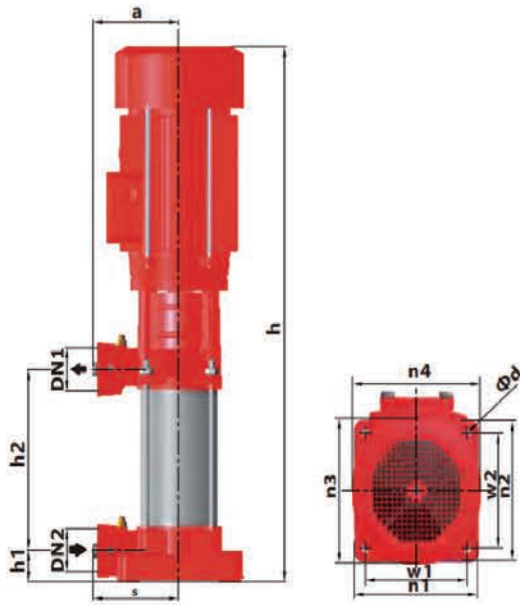
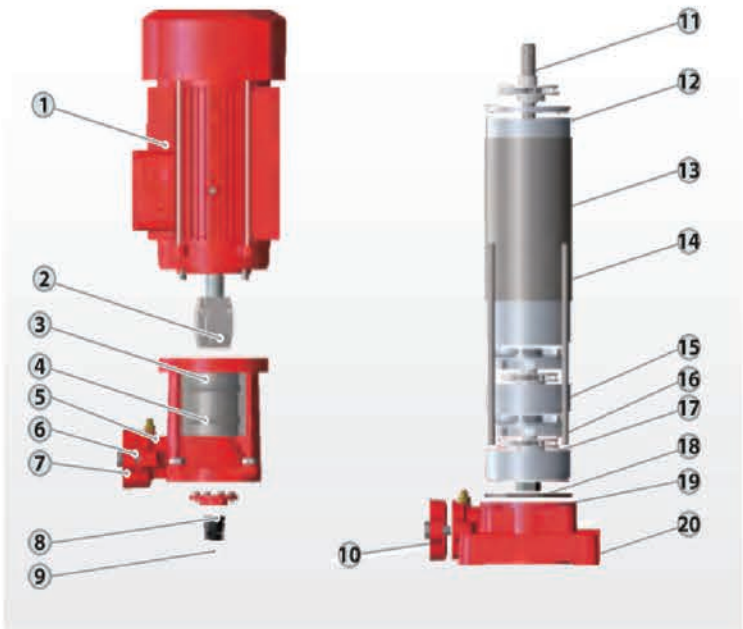
TECHNICAL SHEET

|            |                 |
|------------|-----------------|
| Model      | SVP             |
| Capacity   | 0-16m³/h        |
| Head       | 0-153m          |
| DN         | 25-50mm         |
| Speed      | 2900/3500rpm    |
| T max      | 120°c           |
| Power      | 0.75-7.5kW      |
| Voltage    | 220/380/440V    |
| HZ         | 50/60           |
| Class      | Class F         |
| IP         | IP 55           |
| Duty       | S1 continuous   |
| Casing     | Cast iron       |
| Impeller   | PPO             |
| Shaft      | 45# steel       |
| Shaft seal | Mechanical Seal |

DIMENSIONS



DIMENSIONS AND WEIGHT



MATERIAL DESCRIPTION

| No. | Description     | Material         |
|-----|-----------------|------------------|
| 1   | Motor           | IP55 Class F     |
| 2   | Coupling        | Iron             |
| 3   | Discharge Body  | Cast iron        |
| 4   | Cover           | SS304            |
| 5   | Release Valve   | Brass            |
| 6   | Discharge       | Cast iron        |
| 7   | Bolt            | Steel            |
| 8   | Seal Cover      | Cast iron        |
| 9   | Mechanical Seal | SiC/Carbon/SS304 |
| 10  | Suction         | Cast iron        |

| No. | Description        | Material                      |
|-----|--------------------|-------------------------------|
| 11  | Pump Shaft         | 45# steel                     |
| 12  | Diffuser Top Cover | Technopolimer                 |
| 13  | Pump Cover         | SS304                         |
| 14  | Through Bolt       | Steel                         |
| 15  | Diffuser Cover     | Technopolimer with SS304 ring |
| 16  | Diffuser           | Technopolimer with SS304 ring |
| 17  | Impeller           | Technopolimer                 |
| 18  | Impeller Nut       | Galvanized Steel              |
| 19  | O-ring             | Rubber                        |
| 20  | Suction Body       | Cast iron                     |

| Model        |             | DIMENSIONS |        |        |        |        |        |        |        |        |        |
|--------------|-------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Single-phase | Three-phase | A (mm)     | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | K (mm) | L (mm) |
| SVPm2-4      | SVP2-4      | 888        | 170    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-5      | SVP2-5      | 912        | 194    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-6      | SVP2-6      | 936        | 218    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-7      | SVP2-7      | 966        | 249    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-8      | SVP2-8      | 990        | 273    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-9      | SVP2-9      | 1014       | 297    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm2-11     | SVP2-11     | 1062       | 345    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP2-13     | 1110       | 393    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm4-3      | SVP4-3      | 864        | 146    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm4-4      | SVP4-4      | 888        | 170    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm4-5      | SVP4-5      | 918        | 201    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm4-6      | SVP4-6      | 942        | 225    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP4-7      | 966        | 249    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP4-8      | 990        | 273    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP4-10     | 1038       | 321    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP4-12     | 1232       | 374    | 226    | 126    | 218    | 122    | 25/32  | 25/32  | 166    | 141    |
| SVPm6-3      | SVP6-3      | 908        | 190    | 204    | 114    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| SVPm6-4      | SVP6-4      | 945        | 227    | 204    | 114    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6-5      | 982        | 264    | 204    | 114    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6-6      | 1019       | 301    | 204    | 114    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6-7      | 1196       | 338    | 226    | 126    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6-8      | 1233       | 375    | 226    | 126    | 199    | 110    | 25/32  | 25/32  | 166    | 141    |
| SVPm6H-3     | SVP6H-3     | 876        | 159    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm6H-4     | SVP6H-4     | 903        | 185    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| SVPm6H-5     | SVP6H-5     | 929        | 212    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6H-6     | 956        | 238    | 204    | 114    | 202    | 115    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6H-8     | 1155       | 298    | 226    | 126    | 218    | 122    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP6H-10    | 1208       | 351    | 226    | 126    | 218    | 122    | 25/32  | 25/32  | 166    | 141    |
| -            | SVP10H-3    | 1045       | 187    | 226    | 126    | 228    | 128    | 40/50  | 40/50  | 192    | 164    |
| -            | SVP10H-4    | 1078       | 220    | 226    | 126    | 228    | 128    | 40/50  | 40/50  | 192    | 164    |
| -            | SVP10H-5    | 1111       | 253    | 226    | 126    | 238    | 129    | 40/50  | 40/50  | 192    | 164    |
| -            | SVP10H-6    | 1144       | 286    | 226    | 126    | 238    | 129    | 40/50  | 40/50  | 192    | 164    |
| -            | SVP10H-7    | 1464       | 319    | 263    | 151    | 238    | 129    | 40/50  | 40/50  | 192    | 164    |
| -            | SVP10H-8    | 1497       | 352    | 263    | 151    | 238    | 129    | 40/50  | 40/50  | 192    | 164    |



TECHNICAL DATA

50/60 Hz

| MODEL        |             | Power |     | DN       |          | Q(US gpm) | 0   | 4.5  | 9   | 13 | 17.5 |
|--------------|-------------|-------|-----|----------|----------|-----------|-----|------|-----|----|------|
| Single phase | Three phase | kW    | HP  | mm       |          | Q(m³/h)   | 0   | 1    | 2   | 3  | 4    |
|              |             |       |     | Option 1 | Option 2 | Q(l/min)  | 0   | 16.7 | 33  | 50 | 67   |
| SVPm2-4      | SVP2-4      | 0.75  | 1.0 | 25x25    | 32x32    | m         | 48  | 45   | 35  | 26 | 11   |
| SVPm2-5      | SVP2-5      | 1.0   | 1.5 | 25x25    | 32x32    |           | 59  | 57   | 44  | 33 | 15   |
| SVPm2-6      | SVP2-6      | 1.0   | 1.5 | 25x25    | 32x32    |           | 69  | 55   | 52  | 37 | 18   |
| SVPm2-7      | SVP2-7      | 1.1   | 1.5 | 25x25    | 32x32    |           | 82  | 75   | 62  | 45 | 25   |
| SVPm2-8      | SVP2-8      | 1.5   | 2.0 | 25x25    | 32x32    |           | 94  | 87   | 72  | 52 | 28   |
| SVPm2-9      | SVP2-9      | 1.5   | 2.0 | 25x25    | 32x32    |           | 105 | 98   | 82  | 60 | 35   |
| SVPm2-11     | SVP2-11     | 1.8   | 2.5 | 25x25    | 32x32    |           | 130 | 119  | 98  | 69 | 37   |
| -            | SVP2-13     | 2.2   | 3.0 | 25x25    | 32x32    |           | 153 | 142  | 115 | 80 | 39   |

| MODEL        |             | Power |     | DN       |          | Q(US gpm) | 0   | 4.5  | 9    | 13  | 17.5 | 22   | 26  |
|--------------|-------------|-------|-----|----------|----------|-----------|-----|------|------|-----|------|------|-----|
| Single phase | Three phase | kW    | HP  | mm       |          | Q(m³/h)   | 0   | 1    | 2    | 3   | 4    | 5    | 6   |
|              |             |       |     | Option 1 | Option 2 | Q(l/min)  | 0   | 16.7 | 33.3 | 50  | 66.7 | 83.3 | 100 |
| SVPm4-3      | SVP4-3      | 0.75  | 1.0 | 25x25    | 32x32    | m         | 37  | 36   | 34   | 33  | 29   | 24   | 16  |
| SVPm4-4      | SVP4-4      | 1.0   | 1.5 | 25x25    | 32x32    |           | 47  | 46   | 45   | 41  | 36   | 28   | 20  |
| SVPm4-5      | SVP4-5      | 1.5   | 2.0 | 25x25    | 32x32    |           | 61  | 58   | 57   | 55  | 48   | 39   | 29  |
| SVPm4-6      | SVP4-6      | 1.5   | 2.0 | 25x25    | 32x32    |           | 74  | 72   | 69   | 66  | 57   | 47   | 36  |
| -            | SVP4-7      | 2.2   | 3.0 | 25x25    | 32x32    |           | 86  | 83   | 81   | 77  | 68   | 57   | 43  |
| -            | SVP4-8      | 2.2   | 3.0 | 25x25    | 32x32    |           | 98  | 95   | 92   | 86  | 76   | 63   | 47  |
| -            | SVP4-10     | 2.2   | 3.0 | 25x25    | 32x32    |           | 116 | 114  | 110  | 102 | 90   | 73   | 57  |
| -            | SVP4-12     | 3.0   | 4.0 | 25x25    | 32x32    |           | 145 | 142  | 140  | 131 | 115  | 97   | 75  |

| MODEL        |             | Power |     | DN       |          | Q(US gpm) | 0   | 4.5  | 9    | 13  | 19.5 | 26  | 34  | 39  | 46   |
|--------------|-------------|-------|-----|----------|----------|-----------|-----|------|------|-----|------|-----|-----|-----|------|
| Single phase | Three phase | kW    | HP  | mm       |          | Q(m³/h)   | 0   | 1    | 2    | 3   | 4.5  | 6   | 7.5 | 9   | 10.5 |
|              |             |       |     | Option 1 | Option 2 | Q(l/min)  | 0   | 16.7 | 33.3 | 50  | 75   | 100 | 125 | 150 | 175  |
| SVPm6H-3     | SVP6H-3     | 1.1   | 1.5 | 25x25    | 32x32    | m         | 39  | 38   | 37   | 35  | 33   | 29  | 24  | 18  | 10   |
| SVPm6H-4     | SVP6H-4     | 1.5   | 2.0 | 25x25    | 32x32    |           | 52  | 51   | 49   | 47  | 44   | 39  | 32  | 25  | 14   |
| SVPm6H-5     | SVP6H-5     | 1.8   | 2.5 | 25x25    | 32x32    |           | 64  | 62   | 60   | 58  | 54   | 47  | 38  | 28  | 16   |
| -            | SVP6H-6     | 2.2   | 3.0 | 25x25    | 32x32    |           | 76  | 74   | 71   | 68  | 63   | 56  | 45  | 34  | 20   |
| -            | SVP6H-8     | 3.0   | 4.0 | 25x25    | 32x32    |           | 103 | 100  | 97   | 95  | 90   | 80  | 66  | 50  | 31   |
| -            | SVP6H-10    | 4.0   | 5.5 | 25x25    | 32x32    |           | 130 | 127  | 124  | 121 | 114  | 103 | 86  | 66  | 41   |

| MODEL       |  | Power |     | DN       |          | Q(US gpm) | 0   | 9   | 17.5 | 26  | 34.5 | 43  | 52  | 61  | 69  |
|-------------|--|-------|-----|----------|----------|-----------|-----|-----|------|-----|------|-----|-----|-----|-----|
| Three phase |  | kW    | HP  | mm       |          | Q(m³/h)   | 0   | 2   | 4    | 6   | 8    | 10  | 12  | 14  | 16  |
|             |  |       |     | Option 1 | Option 2 | Q(l/min)  | 0   | 33  | 67   | 100 | 133  | 167 | 200 | 233 | 267 |
| SVP10H-3    |  | 3.0   | 4.0 | 40x40    | 50x50    | m         | 56  | 55  | 54   | 52  | 49   | 46  | 42  | 39  | 29  |
| SVP10H-4    |  | 4.0   | 5.5 | 40x40    | 50x50    |           | 75  | 74  | 72   | 70  | 67   | 64  | 60  | 53  | 43  |
| SVP10H-5    |  | 5.5   | 7.5 | 40x40    | 50x50    |           | 93  | 91  | 87   | 84  | 81   | 77  | 72  | 64  | 55  |
| SVP10H-6    |  | 5.5   | 7.5 | 40x40    | 50x50    |           | 113 | 110 | 107  | 104 | 100  | 96  | 87  | 78  | 68  |
| SVP10H-7    |  | 7.5   | 10  | 40x40    | 50x50    |           | 132 | 128 | 124  | 120 | 116  | 112 | 103 | 93  | 80  |
| SVP10H-8    |  | 7.5   | 10  | 40x40    | 50x50    |           | 150 | 147 | 143  | 139 | 134  | 127 | 120 | 108 | 92  |

# VATTURE

## XBD LONG SHAFT VERTICAL TURBINE FIRE PUMP

### PUMP RANGE

Flow: 1-110 L/S    15-1800 GPM  
Head: 30-200m    3-20 Bar  
DN Size: DN50-200mm  
Power: 1.5-200 KW



XBC

XBD



BRIEF INTRODUCTION

DESCRIPTION

The Turbine fire pump set is composed of multiple centrifugal impellers, guide casings, water pipes, transmission shafts, pump base motors and other components. The pump base and motor are located above the pool, and the power of the motor is transmitted to the impeller shaft through the transmission shaft concentric with the water pipe, there by generating flow and pressure.

APPLICATIONS

- Fire Fighting
- Municipal Water Supply
- Commercial / Industrial
- Cooling Tower
- Agricultural Irrigation
- Booster System
- Mining
- Dock Drainage
- Flood Control
- Dewatering
- Water Treatment

APPLICATION CONDITION

- ◆ Generally non-corrosive clean water.
- ◆ The solid content in water (by weight) is not more than 0.01%
- ◆ The PH value is within the range of 6.5-8.5
- ◆ The hydrogen sulide content is not more than 1.5 mg/ L
- ◆ The water temperature should not be higher than 80°C

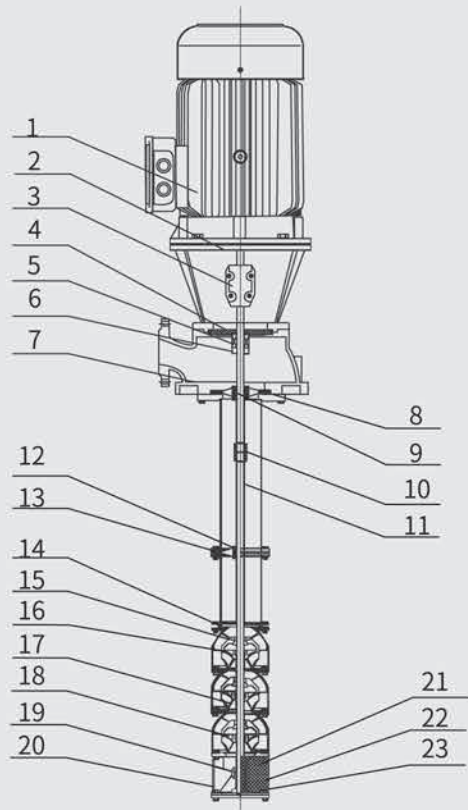
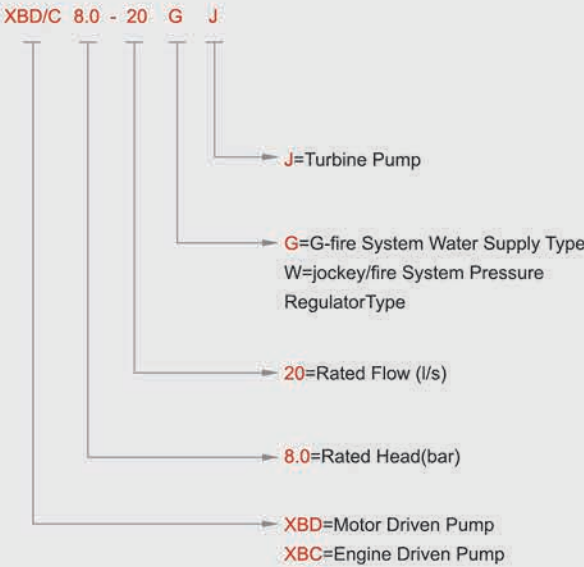
INSTRUCTION

The turbine fire pump consists of three parts: the working portion, the water pipe portion, and the surface potion.

- 1. the working portion  
This part consists of working parts and water filter parts. The working parts are composed of guide shell, impeller, tapered sleeve, shell bearing, impeller shaft and other parts, and the impeller is a closed structure. The shells are connected by bolts. Wear rings can be equipped on the guide shell and impeller.
- 2. Water pipe portion  
This partis composed of water pipes, drive shafts, couplings and bracket components. The water pipe is connected by lange, and the transmission shaft material is 2Cr13 or stainless steel.
- 3. Surface portion  
Part is composed of pump base components, motor, motor bracket, coupling and other components.

MODEL CODE

FOR EXAMPLE



MATERIAL DESCRIPTION

| NO. | ITEM                 | MATERIAL            |
|-----|----------------------|---------------------|
| 1   | Motor                | Copper Wire         |
| 2   | Motor Support        | QT400-18            |
| 3   | Coupling             | ZG235-150           |
| 4   | Seal Cover           | QT100-18            |
| 5   | Mechanical Seal      | CARBON-SIC-NBR      |
| 6   | Seal Holder          | ZG235-450           |
| 7   | Outlet               | QT400-18            |
| 8   | Pump Bracket         | QT400-18            |
| 9   | Support Shaft        | COTTO NIRON         |
| 10  | Coupling             | ZG235-150           |
| 11  | Shaft                | SS201               |
| 12  | Support Bearing      | COTTO NIRON         |
| 13  | Bracket              | 4T400-18            |
| 14  | Top Bowl             | 4T400-18            |
| 15  | Bearing-bowl         | RUBBER              |
| 16  | Dish Bowl            | 20CR13              |
| 17  | Impeller             | SS201               |
| 18  | Middle Bowl          | QT400-18            |
| 19  | Bearing              | RUBBER              |
| 20  | Suction Bell         | QT100-18            |
| 21  | Filter               | O6CR19NI10          |
| 22  | Thrust Disc          | 20CR13              |
| 23  | Forward Thrust Plate | A Mixture of Teflon |



TECHNICAL DATA

| Model         | Flow | Head | Power | RPM   | DN |
|---------------|------|------|-------|-------|----|
|               | L/s  | Mpa  | kw    | r/min | mm |
| XBD3.5/1.1WJ  | 1.1  | 0.3  | 3     | 2850  | 50 |
| XBD4.0/1.1WJ  | 1.1  | 0.4  | 3     | 2850  | 50 |
| XBD5.0/1.1WJ  | 1.1  | 0.5  | 3     | 2850  | 50 |
| XBD6.0/1.1WJ  | 1.1  | 0.6  | 3     | 2850  | 50 |
| XBD7.0/1.1WJ  | 1.1  | 0.7  | 3     | 2850  | 50 |
| XBD8.0/1.1WJ  | 1.1  | 0.8  | 3     | 2850  | 50 |
| XBD9.0/1.1WJ  | 1.1  | 0.9  | 3     | 2850  | 50 |
| XBD10.0/1.1WJ | 1.1  | 1.0  | 3     | 2850  | 50 |
| XBD12.0/1.1WJ | 1.1  | 1.2  | 3     | 2850  | 50 |
| XBD14.0/1.1WJ | 1.1  | 1.4  | 3     | 2850  | 50 |
| XBD15.0/1.1WJ | 1.1  | 1.5  | 4     | 2850  | 50 |
| XBD3.5/2WJ    | 2    | 0.32 | 1.5   | 2850  | 50 |
| XBD4.0/2WJ    | 2    | 0.4  | 2.2   | 2850  | 50 |
| XBD5.0/2WJ    | 2    | 0.5  | 2.2   | 2850  | 50 |
| XBD6.0/2WJ    | 2    | 0.6  | 3     | 2850  | 50 |
| XBD7.0/2WJ    | 2    | 0.7  | 3     | 2850  | 50 |
| XBD8.0/2WJ    | 2    | 0.8  | 4     | 2850  | 50 |
| XBD10.0/2WJ   | 2    | 1    | 4     | 2850  | 50 |
| XBD11.0/2WJ   | 2    | 1.1  | 4     | 2850  | 50 |
| XBD12.0/2WJ   | 2    | 1.2  | 5.5   | 2850  | 50 |
| XBD14.0/2WJ   | 2    | 1.4  | 5.5   | 2850  | 50 |
| XBD15.0/2WJ   | 2    | 1.5  | 5.5   | 2850  | 50 |
| XBD3.2/3WJ    | 3    | 0.32 | 2.2   | 2850  | 50 |
| XBD4.0/3WJ    | 3    | 0.4  | 3     | 2850  | 50 |
| XBD5.0/3WJ    | 3    | 0.5  | 3     | 2850  | 50 |
| XBD6.0/3WJ    | 3    | 0.6  | 4     | 2850  | 50 |
| XBD7.0/3WJ    | 3    | 0.7  | 5.5   | 2850  | 50 |
| XBD8.0/3WJ    | 3    | 0.8  | 5.5   | 2850  | 50 |
| XBD9.0/3WJ    | 3    | 0.9  | 5.5   | 2850  | 50 |
| XBD10.0/3WJ   | 3    | 1    | 7.5   | 2850  | 50 |
| XBD12.0/3WJ   | 3    | 1.2  | 7.5   | 2850  | 50 |
| XBD14.0/3WJ   | 3    | 1.4  | 11    | 2850  | 50 |
| XBD15.0/3WJ   | 3    | 1.5  | 11    | 2850  | 50 |
| XBD3.2/4WJ    | 4    | 0.32 | 3     | 2850  | 50 |
| XBD4.0/4WJ    | 4    | 0.4  | 4     | 2850  | 50 |
| XBD5.0/4WJ    | 4    | 0.5  | 4     | 2850  | 50 |
| XBD6.0/4WJ    | 4    | 0.6  | 4     | 2850  | 50 |
| XBD7.0/4WJ    | 4    | 0.7  | 5.5   | 2850  | 50 |
| XBD8.0/4WJ    | 4    | 0.8  | 5.5   | 2850  | 50 |
| XBD10.0/4WJ   | 4    | 1    | 7.5   | 2850  | 50 |
| XBD12.0/4WJ   | 4    | 1.2  | 11    | 2850  | 50 |

TECHNICAL DATA

| Model        | Flow | Head | Power | RPM   | DN  |
|--------------|------|------|-------|-------|-----|
|              | L/s  | Mpa  | kw    | r/min | mm  |
| XBD14.0/4WJ  | 4    | 1.4  | 11    | 2850  | 50  |
| XBD15.0/4WJ  | 4    | 1.5  | 15    | 2850  | 50  |
| XBD4.0/5WJ   | 5    | 0.4  | 4     | 2850  | 50  |
| XBD6.0/5WJ   | 5    | 0.6  | 5.5   | 2850  | 50  |
| XBD8.0/5WJ   | 5    | 0.8  | 7.5   | 2850  | 50  |
| XBD11.0/5WJ  | 5    | 1.1  | 15    | 2850  | 50  |
| XBD12.0/5WJ  | 5    | 1.2  | 15    | 2850  | 50  |
| XBD13.0/5WJ  | 5    | 1.3  | 15    | 2850  | 50  |
| XBD15.0/5WJ  | 5    | 1.5  | 22    | 2850  | 50  |
| XBD5.0/5GJ   | 5    | 0.5  | 5.5   | 2900  | 50  |
| XBD7.0/5GJ   | 5    | 0.7  | 7.5   | 2900  | 50  |
| XBD9.0/5GJ   | 5    | 0.9  | 11    | 2900  | 50  |
| XBD10.0/5GJ  | 5    | 1    | 15    | 2900  | 50  |
| XBD13.0/5GJ  | 5    | 1.3  | 15    | 2900  | 50  |
| XBD14.0/5GJ  | 5    | 1.4  | 15    | 2900  | 50  |
| XBD15.0/5GJ  | 5    | 1.5  | 18.5  | 2900  | 50  |
| XBD16.0/5GJ  | 5    | 1.6  | 18.5  | 2900  | 50  |
| XBD17.0/5GJ  | 5    | 1.7  | 22    | 2900  | 50  |
| XBD4.0/10GJ  | 10   | 0.4  | 7.5   | 2900  | 100 |
| XBD5.0/10GJ  | 10   | 0.5  | 11    | 2900  | 100 |
| XBD6.0/10GJ  | 10   | 0.6  | 15    | 2900  | 100 |
| XBD7.0/10GJ  | 10   | 0.7  | 18.5  | 2900  | 100 |
| XBD9.0/10GJ  | 10   | 0.9  | 22    | 2900  | 100 |
| XBD11.0/10GJ | 10   | 1.1  | 22    | 2900  | 100 |
| XBD12.5/10GJ | 10   | 1.25 | 30    | 2900  | 100 |
| XBD13.5/10GJ | 10   | 1.35 | 30    | 2900  | 100 |
| XBD14.5/10GJ | 10   | 1.45 | 30    | 2900  | 100 |
| XBD15.5/10GJ | 10   | 1.55 | 37    | 2900  | 100 |
| XBD16.5/10GJ | 10   | 1.65 | 37    | 2900  | 100 |
| XBD17.5/10GJ | 10   | 1.75 | 45    | 2900  | 100 |
| XBD4.0/15GJ  | 15   | 0.4  | 11    | 2900  | 100 |
| XBD5.2/15GJ  | 15   | 0.52 | 15    | 2900  | 100 |
| XBD6.0/15GJ  | 15   | 0.6  | 15    | 2900  | 100 |
| XBD7.0/15GJ  | 15   | 0.7  | 18.5  | 2900  | 100 |
| XBD8.0/15GJ  | 15   | 0.8  | 22    | 2900  | 100 |
| XBD10.0/15GJ | 15   | 1    | 30    | 2900  | 100 |
| XBD11.0/15GJ | 15   | 1.1  | 30    | 2900  | 100 |
| XBD12.0/15GJ | 15   | 1.2  | 30    | 2900  | 100 |
| XBD13.0/15GJ | 15   | 1.3  | 37    | 2900  | 100 |
| XBD14.0/15GJ | 15   | 1.4  | 37    | 2900  | 100 |
| XBD15.0/15GJ | 15   | 1.5  | 37    | 2900  | 100 |

TECHNICAL DATA

| Model        | Flow | Head | Power | RPM   | DN  |
|--------------|------|------|-------|-------|-----|
|              | L/s  | Mpa  | kw    | r/min | mm  |
| XBD16.0/15GJ | 15   | 1.6  | 37    | 2900  | 100 |
| XBD17.0/15GJ | 15   | 1.7  | 45    | 2900  | 100 |
| XBD17.5/15GJ | 15   | 1.75 | 45    | 2900  | 100 |
| XBD18.0/15GJ | 15   | 1.8  | 45    | 2900  | 100 |
| XBD19.0/15GJ | 15   | 1.9  | 55    | 2900  | 100 |
| XBD20.0/15GJ | 15   | 2    | 55    | 2900  | 100 |
| XBD4.0/20GJ  | 20   | 0.4  | 15    | 2900  | 100 |
| XBD5.0/20GJ  | 20   | 0.5  | 18.5  | 2900  | 100 |
| XBD6.0/20GJ  | 20   | 0.6  | 18.5  | 2900  | 100 |
| XBD7.0/20GJ  | 20   | 0.7  | 22    | 2900  | 100 |
| XBD8.0/20GJ  | 20   | 0.8  | 30    | 2900  | 100 |
| XBD9.0/20GJ  | 20   | 0.9  | 30    | 2900  | 100 |
| XBD10.0/20GJ | 20   | 1    | 37    | 2900  | 100 |
| XBD11.0/20GJ | 20   | 1.1  | 37    | 2900  | 100 |
| XBD12.0/20GJ | 20   | 1.2  | 45    | 2900  | 100 |
| XBD13.0/20GJ | 20   | 1.3  | 45    | 2900  | 100 |
| XBD14.0/20GJ | 20   | 1.4  | 45    | 2900  | 100 |
| XBD15.0/20GJ | 20   | 1.5  | 45    | 2900  | 100 |
| XBD16.0/20GJ | 20   | 1.6  | 55    | 2900  | 100 |
| XBD16.5/20GJ | 20   | 1.65 | 55    | 2900  | 100 |
| XBD17.5/20GJ | 20   | 1.75 | 55    | 2900  | 100 |
| XBD18.0/20GJ | 20   | 1.8  | 55    | 2900  | 100 |
| XBD19.0/20GJ | 20   | 1.9  | 75    | 2900  | 100 |
| XBD20.5/20GJ | 20   | 2.05 | 75    | 2900  | 100 |
| XBD4.0/25GJ  | 25   | 0.4  | 15    | 2900  | 100 |
| XBD4.5/25GJ  | 25   | 0.45 | 18.5  | 2900  | 100 |
| XBD5.0/25GJ  | 25   | 0.5  | 22    | 2900  | 100 |
| XBD6.0/25GJ  | 25   | 0.6  | 30    | 2900  | 100 |
| XBD7.0/25GJ  | 25   | 0.7  | 30    | 2900  | 100 |
| XBD8.0/25GJ  | 25   | 0.8  | 37    | 2900  | 100 |
| XBD11.0/25GJ | 25   | 1.1  | 45    | 2900  | 100 |
| XBD12.0/25GJ | 25   | 1.2  | 55    | 2900  | 100 |
| XBD14.0/25GJ | 25   | 1.4  | 55    | 2900  | 100 |
| XBD15.0/25GJ | 25   | 1.5  | 55    | 2900  | 100 |
| XBD16.0/25GJ | 25   | 1.6  | 75    | 2900  | 100 |
| XBD17.0/25GJ | 25   | 1.7  | 75    | 2900  | 100 |
| XBD18.0/25GJ | 25   | 1.8  | 75    | 2900  | 100 |
| XBD19.0/25GJ | 25   | 1.9  | 90    | 2900  | 100 |
| XBD20.0/25GJ | 25   | 2    | 90    | 2900  | 100 |
| XBD3.0/30GJ  | 30   | 0.3  | 15    | 2900  | 100 |
| XBD4.0/30GJ  | 30   | 0.4  | 18.5  | 2900  | 100 |

TECHNICAL DATA

| Model        | Flow | Head | Power | RPM   | DN  |
|--------------|------|------|-------|-------|-----|
|              | L/s  | Mpa  | kw    | r/min | mm  |
| XBD5.0/30GJ  | 30   | 0.5  | 22    | 2850  | 100 |
| XBD6.0/30GJ  | 30   | 0.6  | 30    | 2850  | 100 |
| XBD7.0/30GJ  | 30   | 0.7  | 37    | 2850  | 100 |
| XBD8.0/30GJ  | 30   | 0.8  | 37    | 2850  | 100 |
| XBD9.0/30GJ  | 30   | 0.9  | 45    | 2850  | 100 |
| XBD10.0/30GJ | 30   | 1    | 45    | 2850  | 100 |
| XBD11.0/30GJ | 30   | 1.1  | 45    | 2850  | 100 |
| XBD12.0/30GJ | 30   | 1.2  | 55    | 2850  | 100 |
| XBD13.0/30GJ | 30   | 1.3  | 55    | 2850  | 100 |
| XBD14.0/30GJ | 30   | 1.4  | 75    | 2900  | 100 |
| XBD15.0/30GJ | 30   | 1.5  | 75    | 2900  | 100 |
| XBD16.0/30GJ | 30   | 1.6  | 75    | 2900  | 100 |
| XBD17.0/30GJ | 30   | 1.7  | 90    | 2900  | 100 |
| XBD17.5/30GJ | 30   | 1.75 | 90    | 2900  | 100 |
| XBD18.0/30GJ | 30   | 1.8  | 90    | 2900  | 100 |
| XBD19.0/30GJ | 30   | 1.9  | 110   | 2900  | 100 |
| XBD20.0/30GJ | 30   | 2    | 110   | 2900  | 100 |
| XBD4.0/40GJ  | 40   | 0.4  | 30    | 2900  | 125 |
| XBD5.0/40GJ  | 40   | 0.5  | 37    | 2900  | 125 |
| XBD6.0/40GJ  | 40   | 0.6  | 37    | 2900  | 125 |
| XBD7.0/40GJ  | 40   | 0.7  | 45    | 2900  | 125 |
| XBD8.0/40GJ  | 40   | 0.8  | 55    | 2900  | 125 |
| XBD9.0/40GJ  | 40   | 0.9  | 75    | 2900  | 125 |
| XBD10.0/40GJ | 40   | 1    | 75    | 2900  | 150 |
| XBD11.0/40GJ | 40   | 1.1  | 75    | 2900  | 150 |
| XBD12.0/40GJ | 40   | 1.2  | 90    | 2900  | 150 |
| XBD13.0/40GJ | 40   | 1    | 90    | 2900  | 150 |
| XBD13.5/40GJ | 40   | 1.35 | 90    | 2900  | 150 |
| XBD14.0/40GJ | 40   | 1.4  | 90    | 2900  | 150 |
| XBD15.0/40GJ | 40   | 1.5  | 110   | 2900  | 150 |
| XBD16.0/40GJ | 40   | 1.6  | 110   | 2900  | 150 |
| XBD17.0/40GJ | 40   | 1.7  | 110   | 2900  | 150 |
| XBD18.0/40GJ | 40   | 1.8  | 110   | 2900  | 150 |
| XBD19.0/40GJ | 40   | 1.9  | 132   | 2900  | 150 |
| XBD20.0/40GJ | 40   | 2    | 132   | 2900  | 150 |
| XBD4.0/45GJ  | 45   | 0.4  | 30    | 2900  | 150 |
| XBD5.0/45GJ  | 45   | 0.5  | 37    | 2900  | 150 |
| XBD6.0/45GJ  | 45   | 0.6  | 45    | 2900  | 150 |
| XBD7.0/45GJ  | 45   | 0.7  | 55    | 2900  | 150 |
| XBD8.0/45GJ  | 45   | 0.8  | 75    | 2900  | 150 |
| XBD9.0/45GJ  | 45   | 0.9  | 75    | 2900  | 150 |



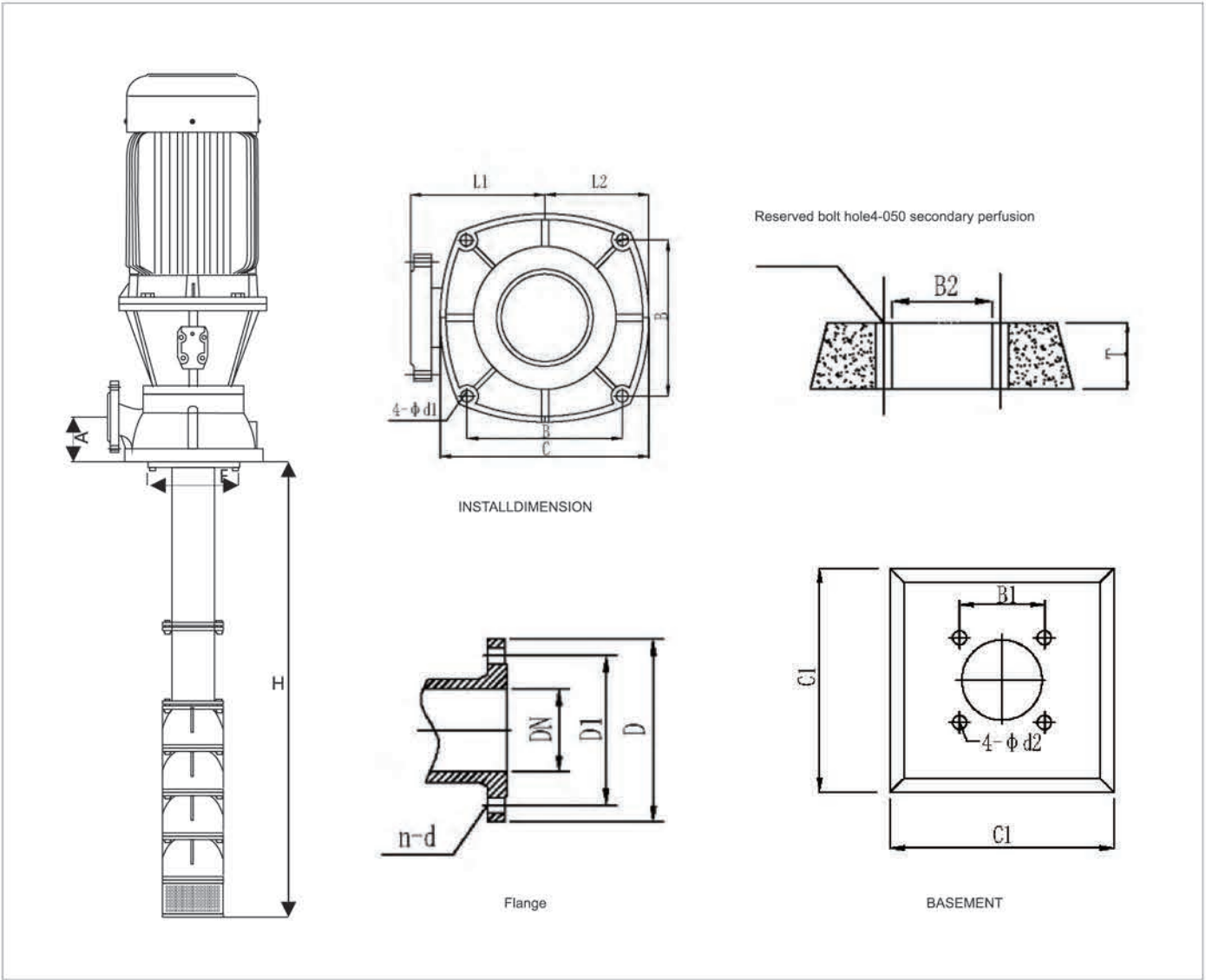
TECHNICAL DATA

| Model        | Flow | Head | Power | RPM   | DN  |
|--------------|------|------|-------|-------|-----|
|              | L/s  | Mpa  | kw    | r/min | mm  |
| XBD10.0/45GJ | 45   | 1    | 75    | 2900  | 150 |
| XBD12.0/45GJ | 45   | 1.2  | 90    | 2900  | 150 |
| XBD14.0/45GJ | 45   | 1.4  | 110   | 2900  | 150 |
| XBD15.0/45GJ | 45   | 1.5  | 132   | 2900  | 150 |
| XBD4.0/50GJ  | 50   | 0.4  | 37    | 2900  | 150 |
| XBD5.0/50GJ  | 50   | 0.5  | 45    | 2900  | 150 |
| XBD6.0/50GJ  | 50   | 0.6  | 45    | 2900  | 150 |
| XBD7.0/50GJ  | 50   | 0.7  | 55    | 2900  | 150 |
| XBD8.0/50GJ  | 50   | 0.8  | 75    | 2900  | 150 |
| XBD9.0/50GJ  | 50   | 0.9  | 75    | 2900  | 150 |
| XBD10.0/50GJ | 50   | 1    | 75    | 2900  | 150 |
| XBD11.0/50GJ | 50   | 1.1  | 90    | 2900  | 150 |
| XBD12.0/50GJ | 50   | 1.2  | 90    | 2900  | 150 |
| XBD13.0/50GJ | 50   | 1.3  | 110   | 2900  | 150 |
| XBD14.0/50GJ | 50   | 1.4  | 110   | 2900  | 150 |
| XBD15.0/50GJ | 50   | 1.5  | 132   | 2900  | 150 |
| XBD16.0/50GJ | 50   | 1.6  | 132   | 2900  | 150 |
| XBD17.0/50GJ | 50   | 1.7  | 160   | 2900  | 150 |
| XBD18.0/50GJ | 50   | 1.8  | 200   | 2900  | 150 |
| XBD6.0/55GJ  | 55   | 0.6  | 55    | 2900  | 150 |
| XBD8.0/55GJ  | 55   | 0.8  | 75    | 2900  | 150 |
| XBD9.0/55GJ  | 55   | 0.9  | 90    | 2900  | 150 |
| XBD10.0/55GJ | 55   | 1    | 110   | 2900  | 150 |
| XBD12.0/55GJ | 55   | 1.2  | 110   | 2900  | 150 |
| XBD13.0/55GJ | 55   | 1.3  | 132   | 2900  | 150 |
| XBD4.0/60GJ  | 60   | 0.4  | 45    | 2900  | 150 |
| XBD5.0/60GJ  | 60   | 0.5  | 55    | 2900  | 150 |
| XBD6.0/60GJ  | 60   | 0.6  | 55    | 2900  | 150 |
| XBD7.0/60GJ  | 60   | 0.7  | 55    | 2900  | 150 |
| XBD8.0/60GJ  | 60   | 0.8  | 75    | 2900  | 150 |
| XBD9.0/60GJ  | 60   | 0.9  | 90    | 2900  | 150 |
| XBD10.0/60GJ | 60   | 1    | 90    | 2900  | 150 |
| XBD11.0/60GJ | 60   | 1.1  | 110   | 2900  | 150 |
| XBD12.0/60GJ | 60   | 1.2  | 110   | 2900  | 150 |
| XBD12.5/60GJ | 60   | 1.25 | 132   | 2900  | 150 |
| XBD13.0/60GJ | 60   | 1.3  | 132   | 2900  | 150 |
| XBD13.5/60GJ | 60   | 1.35 | 132   | 2900  | 150 |
| XBD14.5/60GJ | 60   | 1.45 | 160   | 2900  | 150 |
| XBD15.5/60GJ | 60   | 1.55 | 160   | 2900  | 150 |
| XBD5.0/70GJ  | 70   | 0.5  | 55    | 2900  | 150 |
| XBD6.0/70GJ  | 70   | 0.6  | 55    | 2900  | 150 |

TECHNICAL DATA

| Model         | Flow | Head | Power | RPM   | DN  |
|---------------|------|------|-------|-------|-----|
|               | L/s  | Mpa  | kw    | r/min | mm  |
| XBD7.0/70GJ   | 70   | 0.7  | 75    | 2900  | 150 |
| XBD8.0/70GJ   | 70   | 0.8  | 90    | 2900  | 150 |
| XBD9.0/70GJ   | 70   | 0.9  | 110   | 2900  | 150 |
| XBD10.0/70GJ  | 70   | 1    | 110   | 2900  | 150 |
| XBD11.0/70GJ  | 70   | 1.1  | 132   | 2900  | 150 |
| XBD12.0/70GJ  | 70   | 1.2  | 132   | 2900  | 150 |
| XBD13.0/70GJ  | 70   | 1.3  | 160   | 2900  | 150 |
| XBD14.0/70GJ  | 70   | 1.4  | 160   | 2900  | 150 |
| XBD15.0/70GJ  | 70   | 1.5  | 200   | 2900  | 150 |
| XBD5.0/80GJ   | 80   | 0.5  | 75    | 2900  | 150 |
| XBD6.0/80GJ   | 80   | 0.6  | 90    | 2900  | 150 |
| XBD7.0/80GJ   | 80   | 0.7  | 90    | 2900  | 150 |
| XBD8.0/80GJ   | 80   | 0.8  | 110   | 2900  | 150 |
| XBD9.0/80GJ   | 80   | 0.9  | 110   | 2900  | 150 |
| XBD10.0/80GJ  | 80   | 1    | 132   | 2900  | 150 |
| XBD11.0/80GJ  | 80   | 1.1  | 132   | 2900  | 150 |
| XBD12.0/80GJ  | 80   | 1.2  | 160   | 2900  | 150 |
| XBD13.0/80GJ  | 80   | 1.3  | 160   | 2900  | 150 |
| XBD14.0/80GJ  | 80   | 1.4  | 200   | 2900  | 150 |
| XBD5.0/90GJ   | 90   | 0.5  | 90    | 2900  | 200 |
| XBD6.0/90GJ   | 90   | 0.6  | 90    | 2900  | 200 |
| XBD7.0/90GJ   | 90   | 0.7  | 110   | 2900  | 200 |
| XBD8.2/90GJ   | 90   | 0.82 | 110   | 2900  | 200 |
| XBD9.0/90GJ   | 90   | 0.9  | 132   | 2900  | 200 |
| XBD10.0/90GJ  | 90   | 1    | 160   | 2900  | 200 |
| XBD11.0/90GJ  | 90   | 1.1  | 160   | 2900  | 200 |
| XBD12.0/90GJ  | 90   | 1.2  | 200   | 2900  | 200 |
| XBD5.0/100GJ  | 100  | 0.5  | 110   | 2900  | 200 |
| XBD6.0/100GJ  | 100  | 0.6  | 110   | 2900  | 200 |
| XBD7.0/100GJ  | 100  | 0.7  | 132   | 2900  | 200 |
| XBD8.0/100GJ  | 100  | 0.8  | 160   | 2900  | 200 |
| XBD9.0/100GJ  | 100  | 0.9  | 160   | 2900  | 200 |
| XBD10.0/100GJ | 100  | 1    | 160   | 2900  | 200 |
| XBD11.0/100GJ | 100  | 1.1  | 200   | 2900  | 200 |
| XBD5.0/110GJ  | 110  | 0.5  | 110   | 2900  | 200 |
| XBD6.0/110GJ  | 110  | 0.6  | 132   | 2900  | 200 |
| XBD7.0/110GJ  | 110  | 0.7  | 132   | 2900  | 200 |
| XBD8.0/110GJ  | 110  | 0.8  | 160   | 2900  | 200 |
| XBD9.0/110GJ  | 110  | 0.9  | 160   | 2900  | 200 |
| XBD9.8/110GJ  | 110  | 0.98 | 200   | 2900  | 200 |

INSTALL DIMENSION



| No.       | INSTALL DIMENSION |     |            |     |     |     |     |              | Flange |     |     |               | BASEMENT |     |            |     |              |
|-----------|-------------------|-----|------------|-----|-----|-----|-----|--------------|--------|-----|-----|---------------|----------|-----|------------|-----|--------------|
|           | H                 | A   | E          | L1  | L2  | B   | C   | 4- $\phi d1$ | D      | D1  | DN  | n- $\phi d$   | C1       | B1  | B2         | T   | 4- $\phi d2$ |
| 1-5L/S    | WaterDeep         | 110 | $\phi 220$ | 225 | 175 | 275 | 350 | 4- $\phi 22$ | 165    | 125 | 50  | 4- $\phi 18$  | 600      | 275 | $\phi 280$ | 300 | 4- $\phi 50$ |
| 10-15L/S  | WaterDeep         | 125 | $\phi 260$ | 260 | 200 | 280 | 400 | 4- $\phi 22$ | 200    | 160 | 80  | 4- $\phi 18$  | 600      | 280 | $\phi 280$ | 300 | 4- $\phi 50$ |
| 20-15L/S  | WaterDeep         | 125 | $\phi 260$ | 260 | 200 | 280 | 400 | 4- $\phi 22$ | 220    | 180 | 100 | 8- $\phi 18$  | 600      | 280 | $\phi 280$ | 300 | 4- $\phi 50$ |
| 40-80L/S  | WaterDeep         | 180 | $\phi 305$ | 310 | 223 | 310 | 450 | 4- $\phi 22$ | 285    | 240 | 150 | 8- $\phi 22$  | 700      | 310 | $\phi 310$ | 300 | 4- $\phi 50$ |
| 90-110L/S | WaterDeep         | 250 | $\phi 305$ | 380 | 255 | 360 | 510 | 4- $\phi 22$ | 340    | 295 | 200 | 12- $\phi 22$ | 800      | 360 | $\phi 330$ | 300 | 4- $\phi 50$ |



## SI INLINE PUMP



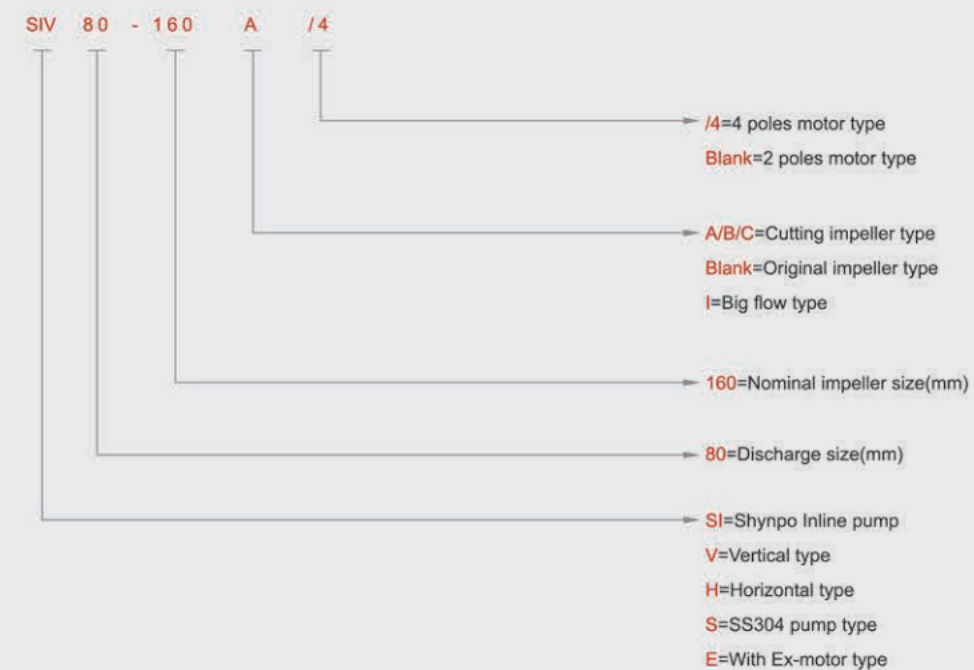
### BRIEF INTRODUCTION

#### DESCRIPTION

- ◆ Complete range with a full series of centrifugal pumps
- ◆ Vertical and horizontal design suitable for any installation
- ◆ Cast Iron, Stainless steel 304/316 casting material available for various applications
- ◆ Explosion-proof motors are optional
- ◆ IE3 motor with protection IP55, Class F
- ◆ Pump case with anti-corrosive coating
- ◆ All pumps equipped with quality bearing, and wear-resistant mechanical seal
- ◆ Liquid temperature between -10°C and +120°C
- ◆ Ambient temperature between -10°C and +50°C
- ◆ Max. working pressure 20 bar
- ◆ Continuous service S1

### MODEL CODE

#### FOR EXAMPLE





TECHNICAL DATA

50 Hz/60Hz    n=2900/3500    l/min

| Model      | Power |     | Flow | Head | DN    | Wt  | Dim      |
|------------|-------|-----|------|------|-------|-----|----------|
|            | kw    | hp  | m3/h | m    | mm    | kg  | cm       |
| 25-125     | 0.75  | 1   | 4    | 20   | 25x25 | 28  | 26x23x43 |
| 25-125A    | 0.75  | 1   | 3.6  | 16   | 25x25 | 27  | 26x23x43 |
| 25-160     | 1.5   | 2   | 4    | 32   | 25x25 | 39  | 30x27x43 |
| 25-160A    | 1.1   | 1.5 | 3.7  | 28   | 25x25 | 34  | 30x27x43 |
| 32-125     | 0.75  | 1   | 5    | 20   | 32x32 | 28  | 26x23x44 |
| 32-125A    | 0.75  | 1   | 4.5  | 16   | 32x32 | 28  | 26x23x44 |
| 32-160     | 1.5   | 2   | 4.5  | 32   | 32x32 | 39  | 32x27x50 |
| 32-160A    | 1.1   | 1.5 | 4    | 28   | 32x32 | 38  | 32x27x41 |
| 32-200     | 3     | 4   | 4.5  | 50   | 32x32 | 55  | 34x33x54 |
| 32-200A    | 2.2   | 3   | 4    | 44   | 32x32 | 74  | 34x33x54 |
| 40-100     | 0.75  | 1   | 6.3  | 12.5 | 40x40 | 32  | 26x23x44 |
| 40-125     | 1.1   | 1.5 | 6.3  | 20   | 40x40 | 34  | 26x23x44 |
| 40-125A    | 0.75  | 1   | 5.6  | 16   | 40x40 | 33  | 28x23x44 |
| 40-160     | 2.2   | 3   | 6.3  | 32   | 40x40 | 47  | 32x27x50 |
| 40-160A    | 1.5   | 2   | 5.9  | 28   | 40x40 | 43  | 32x27x50 |
| 40-160B    | 1.1   | 1.5 | 5.5  | 24   | 40x40 | 38  | 32x27x50 |
| 40-200     | 4     | 5.5 | 6.3  | 50   | 40x40 | 74  | 34x33x56 |
| 40-200A    | 3     | 4   | 5.9  | 44   | 40x40 | 62  | 34x33x56 |
| 40-200B    | 2.2   | 3   | 3.7  | 38   | 40x40 | 52  | 34x33x56 |
| 40-250     | 7.5   | 10  | 6.3  | 80   | 40x40 | 105 | 40x40x63 |
| 40-250A    | 5.5   | 7.5 | 5.9  | 70   | 40x40 | 98  | 40x40x63 |
| 40-250B    | 4     | 5.5 | 5.5  | 60   | 40x40 | 77  | 40x40x56 |
| 40-100(I)  | 1.1   | 1.5 | 12.5 | 12.5 | 40x40 | 34  | 30x23x45 |
| 40-100(I)A | 0.75  | 1   | 11   | 10   | 40x40 | 32  | 30x23x45 |
| 40-125(I)  | 1.5   | 2   | 12.5 | 20   | 40x40 | 38  | 30x24x46 |
| 40-125(I)A | 1.1   | 1.5 | 11   | 16   | 40x40 | 33  | 30x24x45 |
| 40-160(I)  | 3     | 4   | 12.5 | 32   | 40x40 | 56  | 34x30x55 |
| 40-160(I)A | 2.2   | 3   | 11.7 | 28   | 40x40 | 47  | 34x30x51 |
| 40-200(I)  | 5.5   | 7.5 | 12.5 | 50   | 40x40 | 85  | 36x35x63 |
| 40-200(I)A | 4     | 5.5 | 11.7 | 44   | 40x40 | 75  | 36x35x57 |
| 40-200(I)B | 3     | 4   | 10.6 | 36   | 40x40 | 63  | 36x35x55 |
| 40-250(I)  | 11    | 15  | 12.5 | 80   | 40x40 | 145 | 45x43x78 |
| 40-250(I)A | 7.5   | 10  | 11.6 | 70   | 40x40 | 95  | 45x36x65 |
| 40-250(I)B | 7.5   | 10  | 10.8 | 60   | 40x40 | 94  | 45x36x65 |
| 50-100     | 1.1   | 1.5 | 12.5 | 12.5 | 50x50 | 36  | 29x23x45 |
| 50-100A    | 0.75  | 1   | 11   | 10   | 50x50 | 35  | 29x23x45 |
| 50-125     | 1.5   | 2   | 12.5 | 20   | 50x50 | 43  | 30x24x46 |
| 50-125A    | 1.1   | 1.5 | 11   | 16   | 50x50 | 38  | 30x24x45 |
| 50-160     | 3     | 4   | 12.5 | 32   | 50x50 | 59  | 32x30x55 |
| 50-160A    | 2.2   | 3   | 11.7 | 28   | 50x50 | 51  | 32x30x51 |
| 50-160B    | 1.5   | 2   | 10.4 | 22   | 50x50 | 47  | 32x40x49 |
| 50-200     | 5.5   | 7.5 | 12.5 | 50   | 50x50 | 101 | 36x35x63 |
| 50-200A    | 4     | 5.5 | 11.7 | 44   | 50x50 | 80  | 36x35x57 |
| 50-200B    | 3     | 4   | 10.6 | 36   | 50x50 | 68  | 36x35x55 |
| 50-250     | 11    | 15  | 12.5 | 80   | 50x50 | 160 | 44x43x78 |
| 50-250A    | 7.5   | 10  | 11.6 | 70   | 50x50 | 115 | 44x43x65 |
| 50-250B    | 7.5   | 10  | 10.8 | 60   | 50x50 | 114 | 44x36x65 |
| 50-100(I)  | 1.5   | 2   | 25   | 12.5 | 50x50 | 41  | 32x23x48 |
| 50-100(I)A | 1.1   | 1.5 | 22.3 | 10   | 50x50 | 36  | 32x23x46 |
| 50-125(I)  | 3     | 4   | 25   | 20   | 50x50 | 56  | 34x28x55 |
| 50-125(I)A | 2.2   | 3   | 22.3 | 16   | 50x50 | 48  | 34x28x52 |

| Model      | Power |     | Flow | Head | DN    | Wt  | Dim       |
|------------|-------|-----|------|------|-------|-----|-----------|
|            | kw    | hp  | m3/h | m    | mm    | kg  | cm        |
| 50-160(I)  | 4     | 5.5 | 25   | 32   | 50x50 | 72  | 36x30x57  |
| 50-160(I)A | 4     | 5.5 | 23.4 | 28   | 50x50 | 71  | 36x30x57  |
| 50-160(I)B | 3     | 4   | 21.6 | 24   | 50x50 | 59  | 36x30x55  |
| 50-200(I)  | 7.5   | 10  | 25   | 50   | 50x50 | 108 | 38x35x64  |
| 50-200(I)A | 7.5   | 10  | 23.5 | 44   | 50x50 | 107 | 38x35x64  |
| 50-200(I)B | 5.5   | 7.5 | 21.8 | 38   | 50x50 | 100 | 38x35x64  |
| 50-250(I)  | 1.5   | 2   | 25   | 80   | 50x50 | 175 | 46x44x79  |
| 50-250(I)A | 11    | 15  | 23.4 | 70   | 50x50 | 165 | 46x44x79  |
| 50-250(I)B | 11    | 15  | 21.6 | 60   | 50x50 | 165 | 46x44x79  |
| 50-315(I)  | 30    | 40  | 25   | 125  | 50x50 | 310 | 55x51x92  |
| 50-315(I)A | 22    | 30  | 23.7 | 113  | 50x50 | 245 | 55x47x86  |
| 50-315(I)B | 18.5  | 25  | 22.5 | 101  | 50x50 | 215 | 55x44x83  |
| 65-100     | 1.5   | 2   | 25   | 12.5 | 65x65 | 46  | 32x23x47  |
| 65-100A    | 1.1   | 1.5 | 22.3 | 10   | 65x65 | 41  | 32x23x46  |
| 65-125     | 3     | 4   | 25   | 20   | 65x65 | 58  | 34x28x55  |
| 65-125A    | 2.2   | 3   | 22.3 | 16   | 65x65 | 49  | 34x28x52  |
| 65-160     | 4     | 5.5 | 25   | 32   | 65x65 | 75  | 36x31x57  |
| 65-160A    | 4     | 5.5 | 23.4 | 28   | 65x65 | 75  | 36x31x57  |
| 65-160B    | 3     | 4   | 21.6 | 24   | 65x65 | 63  | 36x31x55  |
| 65-200     | 7.5   | 10  | 25   | 50   | 65x65 | 107 | 38x35x63  |
| 65-200A    | 7.5   | 10  | 23.5 | 44   | 65x65 | 107 | 38x35x63  |
| 65-200B    | 5.5   | 7.5 | 21.8 | 38   | 65x65 | 100 | 38x35x63  |
| 65-250     | 15    | 20  | 25   | 80   | 65x65 | 180 | 48x44x79  |
| 65-250A    | 11    | 15  | 23.4 | 70   | 65x65 | 170 | 48x44x79  |
| 65-250B    | 11    | 15  | 21.6 | 60   | 65x65 | 170 | 48x44x79  |
| 65-315     | 30    | 40  | 25   | 125  | 65x65 | 320 | 55x51x92  |
| 65-315A    | 22    | 30  | 23.7 | 113  | 65x65 | 255 | 55x47x86  |
| 65-315B    | 18.5  | 25  | 22.5 | 101  | 65x65 | 225 | 55x44x83  |
| 65-100(I)  | 3     | 4   | 50   | 12.5 | 65x65 | 63  | 40x28x57  |
| 65-100(I)A | 2.2   | 3   | 44.7 | 10   | 65x65 | 53  | 40x24x54  |
| 65-125(I)  | 5.5   | 7.5 | 50   | 20   | 65x65 | 99  | 40x36x66  |
| 65-125(I)A | 4     | 5.5 | 45   | 16   | 65x65 | 78  | 40x32x60  |
| 65-160(I)  | 7.5   | 10  | 50   | 32   | 65x65 | 103 | 40x36x66  |
| 65-160(I)A | 7.5   | 10  | 46.7 | 28   | 65x65 | 103 | 40x36x66  |
| 65-160(I)B | 5.5   | 7.5 | 43.4 | 24   | 65x65 | 97  | 40x32x66  |
| 65-200(I)  | 15    | 20  | 50   | 50   | 65x65 | 176 | 45x43x80  |
| 65-200(I)A | 11    | 15  | 47   | 44   | 65x65 | 166 | 45x43x80  |
| 65-200(I)B | 7.5   | 10  | 43.3 | 38   | 65x65 | 114 | 45x43x67  |
| 65-250(I)  | 22    | 30  | 50   | 80   | 65x65 | 235 | 48x47x87  |
| 65-250(I)A | 18.5  | 25  | 46.7 | 70   | 65x65 | 205 | 48x43x85  |
| 65-250(I)B | 15    | 20  | 43.3 | 60   | 65x65 | 180 | 48x43x81  |
| 65-315(I)  | 37    | 50  | 50   | 125  | 65x65 | 350 | 58x53x100 |
| 65-315(I)A | 30    | 40  | 46.5 | 110  | 65x65 | 335 | 58x53x100 |
| 80-100     | 3     | 4   | 50   | 125  | 80x80 | 63  | 40x28x57  |
| 80-100A    | 2.2   | 3   | 44.7 | 10   | 80x80 | 54  | 40x24x54  |
| 80-125     | 5.5   | 7.5 | 50   | 20   | 80x80 | 99  | 40x36x66  |
| 80-125A    | 4     | 5.5 | 45   | 16   | 80x80 | 79  | 40x32x60  |
| 80-160     | 7.5   | 10  | 50   | 32   | 80x80 | 105 | 40x36x66  |
| 80-160A    | 7.5   | 10  | 46.7 | 28   | 80x80 | 105 | 40x36x66  |
| 80-160B    | 5.5   | 7.5 | 43.4 | 24   | 80x80 | 98  | 40x36x66  |
| 80-200     | 15    | 20  | 50   | 50   | 80x80 | 175 | 43x43x80  |

TECHNICAL DATA

50 Hz/60Hz    n=2900/3500    l/min

| Model       | Power |     | Flow | Head | DN      | Wt  | Dim       |
|-------------|-------|-----|------|------|---------|-----|-----------|
|             | kw    | hp  | m3/h | m    | mm      | kg  | cm        |
| 80-200A     | 11    | 15  | 47   | 44   | 80x80   | 165 | 43x43x80  |
| 80-200B     | 7.5   | 10  | 43.3 | 38   | 80x80   | 115 | 43x36x66  |
| 80-250      | 22    | 30  | 50   | 80   | 80x80   | 240 | 48x47x87  |
| 80-250A     | 18.5  | 25  | 46.7 | 70   | 80x80   | 210 | 48x43x85  |
| 80-250B     | 15    | 20  | 43.3 | 60   | 80x80   | 185 | 48x43x81  |
| 80-315      | 37    | 50  | 50   | 125  | 80x80   | 355 | 58x53x100 |
| 80-315A     | 30    | 40  | 46.5 | 110  | 80x80   | 340 | 58x53x100 |
| 80-315B     | 30    | 40  | 44.5 | 100  | 80x80   | 340 | 58x53x100 |
| 80-315C     | 22    | 30  | 41   | 85   | 80x80   | 275 | 58x47x89  |
| 80-350      | 55    | 75  | 50   | 150  | 80x80   | 535 | 64x64x117 |
| 80-350A     | 45    | 60  | 44.5 | 142  | 80x80   | 420 | 64x58x108 |
| 80-350B     | 37    | 50  | 41   | 135  | 80x80   | 366 | 64x52x104 |
| 80-100(I)   | 5.5   | 7.5 | 100  | 12.5 | 80x80   | 108 | 46x36x68  |
| 80-100(I)A  | 4     | 5.5 | 89   | 10   | 80x80   | 87  | 46x36x62  |
| 80-125(I)   | 11    | 15  | 100  | 20   | 80x80   | 163 | 45x43x81  |
| 80-125(I)A  | 7.5   | 10  | 89   | 16   | 80x80   | 113 | 45x35x67  |
| 80-160(I)   | 15    | 20  | 100  | 32   | 80x80   | 184 | 50x43x84  |
| 80-160(I)A  | 11    | 15  | 93.5 | 28   | 80x80   | 174 | 50x43x84  |
| 80-160(I)B  | 11    | 15  | 86.6 | 24   | 80x80   | 174 | 50x43x84  |
| 80-200(I)   | 22    | 30  | 100  | 50   | 80x80   | 251 | 48x48x88  |
| 80-200(I)A  | 18.5  | 25  | 93.5 | 44   | 80x80   | 220 | 48x43x86  |
| 80-200(I)B  | 15    | 20  | 87   | 38   | 80x80   | 198 | 48x43x81  |
| 80-250(I)   | 37    | 50  | 100  | 80   | 80x80   | 330 | 55x52x102 |
| 80-250(I)A  | 30    | 40  | 93.5 | 70   | 80x80   | 315 | 55x52x102 |
| 80-250(I)B  | 30    | 40  | 87   | 60   | 80x80   | 315 | 55x52x102 |
| 80-315(I)   | 75    | 100 | 100  | 125  | 80x80   | 675 | 64x70x124 |
| 80-315(I)A  | 55    | 75  | 95   | 113  | 80x80   | 535 | 64x64x117 |
| 80-315(I)B  | 45    | 60  | 90   | 101  | 80x80   | 420 | 64x58x108 |
| 80-315(I)C  | 37    | 50  | 82   | 85   | 80x80   | 366 | 64x52x104 |
| 100-100     | 5.5   | 7.5 | 100  | 12.5 | 100x100 | 113 | 46x36x67  |
| 100-100A    | 4     | 5.5 | 89   | 10   | 100x100 | 91  | 46x32x62  |
| 100-125     | 11    | 15  | 100  | 20   | 100x100 | 169 | 44x43x81  |
| 100-125A    | 7.5   | 10  | 89   | 16   | 100x100 | 118 | 45x35x67  |
| 100-160     | 15    | 20  | 100  | 32   | 100x100 | 191 | 50x43x84  |
| 100-160A    | 11    | 15  | 93.5 | 28   | 100x100 | 181 | 50x43x84  |
| 100-160B    | 11    | 15  | 86.6 | 24   | 100x100 | 181 | 50x43x84  |
| 100-200     | 22    | 30  | 100  | 50   | 100x100 | 245 | 48x48x88  |
| 100-200A    | 18.5  | 25  | 93.5 | 44   | 100x100 | 215 | 48x43x86  |
| 100-200B    | 15    | 20  | 87   | 38   | 100x100 | 193 | 48x43x82  |
| 100-250     | 37    | 50  | 100  | 80   | 100x100 | 345 | 55x52x102 |
| 100-250A    | 30    | 40  | 93.5 | 70   | 100x100 | 330 | 55x52x102 |
| 100-250B    | 30    | 40  | 87   | 60   | 100x100 | 330 | 55x52x102 |
| 100-315     | 75    | 100 | 100  | 125  | 100x100 | 689 | 64x70x124 |
| 100-315A    | 55    | 75  | 95   | 113  | 100x100 | 549 | 64x64x117 |
| 100-315B    | 45    | 60  | 90   | 101  | 100x100 | 439 | 64x58x108 |
| 100-350     | 90    | 120 | 100  | 150  | 100x100 | 950 | 68x63x131 |
| 100-350A    | 75    | 100 | 88   | 142  | 100x100 | 830 | 68x63x126 |
| 100-350B    | 55    | 75  | 80   | 135  | 100x100 | 600 | 68x61x119 |
| 100-100(I)  | 11    | 15  | 160  | 12.5 | 100x100 | 115 | 50x42x80  |
| 100-125(I)  | 15    | 20  | 160  | 20   | 100x100 | 168 | 50x30x81  |
| 100-125(I)A | 11    | 15  | 140  | 17   | 100x100 | 168 | 50x28x81  |



TECHNICAL DATA

50 Hz/60Hz n=1750/1450 l/min

| Model        | Power |      | Flow | Head | DN    | Wt  | Dim       |
|--------------|-------|------|------|------|-------|-----|-----------|
|              | kw    | hp   | m3/h | m    | mm    | kg  | cm        |
| 40-125(I)/4  | 0.55  | 0.75 | 6.3  | 5    | 40x40 | 42  | 34x30x55  |
| 40-160(I)/4  | 0.55  | 0.75 | 6.3  | 8    | 40x40 | 43  | 34x30x55  |
| 40-160(I)A/4 | 0.55  | 0.75 | 5.5  | 6    | 40x40 | 30  | 34x30x55  |
| 40-200(I)/4  | 0.75  | 1    | 6.3  | 12.5 | 40x40 | 45  | 36x35x64  |
| 40-200(I)A/4 | 0.55  | 0.75 | 5.8  | 11   | 40x40 | 44  | 36x35x57  |
| 40-250(I)/4  | 1.5   | 2    | 6.3  | 20   | 40x40 | 54  | 45x43x78  |
| 40-250(I)A/4 | 1.1   | 1.5  | 5.8  | 17   | 40x40 | 49  | 45x36x65  |
| 50-160/4     | 0.75  | 1    | 6.3  | 8    | 50x50 | 42  | 32x30x55  |
| 50-200/4     | 0.75  | 1    | 6.3  | 12.5 | 50x50 | 48  | 36x35x64  |
| 50-200A/4    | 0.75  | 1    | 5.5  | 9.5  | 50x50 | 46  | 36x35x57  |
| 50-250/4     | 1.5   | 2    | 6.3  | 20   | 50x50 | 58  | 44x43x78  |
| 50-250A/4    | 1.1   | 1.5  | 5.8  | 17   | 50x50 | 50  | 44x36x65  |
| 50-125(I)/4  | 0.55  | 0.75 | 12.5 | 5    | 50x50 | 44  | 34x28x55  |
| 50-160(I)/4  | 0.55  | 0.75 | 12.5 | 8    | 50x50 | 46  | 36x31x57  |
| 50-160(I)A/4 | 0.55  | 0.75 | 11   | 6    | 50x50 | 44  | 36x31x57  |
| 50-200(I)/4  | 1.1   | 1.5  | 12.5 | 12.5 | 50x50 | 52  | 38x35x64  |
| 50-200(I)A/4 | 0.75  | 1    | 11.2 | 10   | 50x50 | 48  | 38x35x64  |
| 50-250(I)/4  | 2.2   | 3    | 12.5 | 20   | 50x50 | 73  | 46x44x79  |
| 50-250(I)A/4 | 1.5   | 2    | 11.7 | 17.5 | 50x50 | 65  | 46x44x79  |
| 50-250(I)B/4 | 1.1   | 1.5  | 10   | 13   | 50x50 | 60  | 46x44x79  |
| 50-315(I)/4  | 4     | 5.5  | 12.5 | 32   | 50x50 | 89  | 55x51x92  |
| 50-315(I)A/4 | 3     | 4    | 11.7 | 28   | 50x50 | 84  | 55x47x86  |
| 50-315(I)B/4 | 3     | 4    | 10   | 21   | 50x50 | 82  | 55x44x83  |
| 65-125/4     | 0.55  | 0.75 | 12.5 | 5    | 65x65 | 41  | 34x28x55  |
| 65-160/4     | 0.75  | 1    | 12.5 | 8    | 65x65 | 46  | 36x31x57  |
| 65-160A/4    | 0.55  | 0.75 | 11   | 6    | 65x65 | 35  | 36x31x57  |
| 65-200/4     | 1.1   | 1.5  | 12.5 | 12.5 | 65x65 | 52  | 38x35x64  |
| 65-200A/4    | 0.75  | 1    | 11.2 | 10   | 65x65 | 48  | 38x35x64  |
| 65-250/4     | 2.2   | 3    | 12.5 | 20   | 65x65 | 76  | 48x44x79  |
| 65-250A/4    | 1.5   | 2    | 11.7 | 17.5 | 65x65 | 68  | 48x44x79  |
| 65-250B/4    | 1.1   | 1.5  | 10   | 13   | 65x65 | 63  | 48x44x79  |
| 65-315/4     | 4     | 5.5  | 12.5 | 32   | 65x65 | 89  | 55x51x92  |
| 65-315A/4    | 3     | 4    | 11.7 | 28   | 65x65 | 85  | 55x47x86  |
| 65-315B/4    | 3     | 4    | 10   | 21   | 65x65 | 82  | 55x44x84  |
| 65-125(I)/4  | 0.75  | 1    | 25   | 5    | 65x65 | 49  | 40x36x66  |
| 65-160(I)/4  | 1.1   | 1.5  | 25   | 8    | 65x65 | 54  | 40x36x66  |
| 65-160(I)A/4 | 0.75  | 1    | 22   | 6    | 65x65 | 48  | 40x36x66  |
| 65-200(I)/4  | 2.2   | 3    | 25   | 12.5 | 65x65 | 71  | 45x43x80  |
| 65-200(I)A/4 | 1.5   | 2    | 23.3 | 11   | 65x65 | 62  | 45x43x80  |
| 65-250(I)/4  | 3     | 4    | 25   | 20   | 65x65 | 85  | 48x47x87  |
| 65-250(I)A/4 | 3     | 4    | 22.2 | 15.8 | 65x65 | 80  | 48x43x85  |
| 65-250(I)B/4 | 2.2   | 3    | 20   | 12.8 | 65x65 | 74  | 48x43x81  |
| 65-315(I)/4  | 5.5   | 7.5  | 25   | 32   | 65x65 | 120 | 58x53x100 |
| 65-315(I)A/4 | 4     | 5.5  | 22.5 | 26   | 65x65 | 110 | 58x53x100 |
| 65-315(I)B/4 | 4     | 5.5  | 20   | 21   | 65x65 | 100 | 58x53x100 |
| 80-125/4     | 0.75  | 1    | 25   | 5    | 80x80 | 48  | 40x36x66  |
| 80-160/4     | 1.5   | 2    | 25   | 8    | 80x80 | 55  | 40x36x66  |
| 80-160A/4    | 1.1   | 1.5  | 22   | 6    | 80x80 | 51  | 40x36x66  |
| 80-200/4     | 2.2   | 3    | 25   | 12.5 | 80x80 | 72  | 43x43x80  |
| 80-200A/4    | 1.5   | 2    | 23.3 | 10   | 80x80 | 64  | 43x43x80  |
| 80-250/4     | 3     | 4    | 25   | 20   | 80x80 | 89  | 48x47x87  |

| Model         | Power |     | Flow | Head | DN      | Wt  | Dim       |
|---------------|-------|-----|------|------|---------|-----|-----------|
|               | kw    | hp  | m3/h | m    | mm      | kg  | cm        |
| 80-250A/4     | 3     | 4   | 22.2 | 15.8 | 80x80   | 85  | 48x43x85  |
| 80-250B/4     | 2.2   | 3   | 20   | 12.8 | 80x80   | 78  | 48x43x81  |
| 80-315/4      | 5.5   | 7.5 | 25   | 32   | 80x80   | 130 | 58x53x100 |
| 80-315A/4     | 4     | 5.5 | 23   | 27.9 | 80x80   | 102 | 58x53x100 |
| 80-315B/4     | 4     | 5.5 | 22.3 | 25   | 80x80   | 95  | 58x53x100 |
| 80-125(I)/4   | 1.5   | 2   | 50   | 5    | 80x80   | 61  | 45x43x81  |
| 80-160(I)/4   | 2.2   | 3   | 50   | 8    | 80x80   | 82  | 50x43x84  |
| 80-160(I)A/4  | 1.5   | 2   | 44.7 | 6    | 80x80   | 74  | 50x43x84  |
| 80-160(I)B/4  | 1.5   | 2   | 43.2 | 5.8  | 80x80   | 74  | 50x43x84  |
| 80-200(I)/4   | 3     | 4   | 50   | 12.5 | 80x80   | 97  | 48x48x88  |
| 80-200(I)A/4  | 3     | 4   | 46.8 | 11   | 80x80   | 93  | 48x43x86  |
| 80-250(I)/4   | 5.5   | 7.5 | 50   | 20   | 80x80   | 134 | 55x52x102 |
| 80-250(I)A/4  | 4     | 5.5 | 46   | 17   | 80x80   | 106 | 55x52x102 |
| 80-250(I)B/4  | 3     | 4   | 40.5 | 13   | 80x80   | 100 | 55x52x102 |
| 80-315(I)/4   | 11    | 15  | 50   | 32   | 80x80   | 217 | 64x70x124 |
| 80-315(I)A/4  | 7.5   | 10  | 46   | 27.9 | 80x80   | 180 | 64x65x117 |
| 80-315(I)B/4  | 5.5   | 7.5 | 40.5 | 21   | 80x80   | 166 | 64x58x108 |
| 100-125/4     | 1.5   | 2   | 50   | 5    | 100x100 | 70  | 44x43x81  |
| 100-160/4     | 2.2   | 3   | 50   | 8    | 100x100 | 87  | 50x43x84  |
| 100-160A/4    | 1.5   | 2   | 46   | 6    | 100x100 | 79  | 50x43x84  |
| 100-200/4     | 3     | 4   | 50   | 12.5 | 100x100 | 100 | 48x48x88  |
| 100-200A/4    | 2.2   | 3   | 44.7 | 10   | 100x100 | 90  | 48x43x86  |
| 100-250/4     | 5.5   | 7.5 | 50   | 20   | 100x100 | 140 | 55x52x102 |
| 100-250A/4    | 4     | 5.5 | 46   | 17   | 100x100 | 112 | 55x52x102 |
| 100-250B/4    | 3     | 4   | 40.5 | 13   | 100x100 | 105 | 55x52x102 |
| 100-315/4     | 11    | 15  | 50   | 32   | 100x100 | 225 | 64x70x124 |
| 100-315A/4    | 7.5   | 10  | 46.7 | 27.9 | 100x100 | 180 | 64x64x117 |
| 100-315B/4    | 5.5   | 7.5 | 40.5 | 21   | 100x100 | 165 | 64x58x108 |
| 100-125(I)/4  | 2.2   | 3   | 80   | 5    | 100x100 | 95  | 50x30x81  |
| 100-160(I)/4  | 4     | 5.5 | 80   | 8    | 100x100 | 118 | 50x33x89  |
| 100-160(I)A/4 | 3     | 4   | 72   | 6    | 100x100 | 113 | 50x33x89  |
| 100-200(I)/4  | 5.5   | 7.5 | 80   | 12.5 | 100x100 | 148 | 54x36x97  |
| 100-200(I)A/4 | 4     | 5.5 | 72   | 10   | 100x100 | 123 | 54x35x97  |
| 100-250(I)/4  | 11    | 15  | 100  | 20   | 100x100 | 208 | 60x44x112 |
| 100-250(I)A/4 | 7.5   | 10  | 93.3 | 17.4 | 100x100 | 165 | 60x36x112 |
| 100-250(I)B/4 | 5.5   | 7.5 | 69   | 15   | 100x100 | 149 | 60x36x112 |
| 100-315(I)/4  | 15    | 20  | 80   | 32   | 100x100 | 234 | 63x45x129 |
| 100-315(I)A/4 | 11    | 15  | 75   | 27.5 | 100x100 | 213 | 63x45x129 |
| 100-315(I)B/4 | 7.5   | 10  | 72   | 24   | 100x100 | 165 | 63x45x129 |
| 100-400(I)/4  | 30    | 40  | 80   | 44   | 100x100 | 375 | 71x54x129 |
| 100-400(I)A/4 | 22    | 30  | 75   | 44   | 100x100 | 295 | 71x54x129 |
| 100-400(I)B/4 | 18.5  | 25  | 70   | 38   | 100x100 | 257 | 71x54x129 |
| 125-125/4     | 2.2   | 3   | 100  | 5    | 125x125 | 148 | 52x43x84  |
| 125-160/4     | 3     | 4   | 80   | 8    | 125x125 | 205 | 52x46x92  |
| 125-160A/4    | 2.2   | 3   | 69.3 | 6    | 125x125 | 165 | 52x43x89  |
| 125-200/4     | 5.5   | 7.5 | 80   | 12.5 | 125x125 | 249 | 54x51x104 |
| 125-200A/4    | 4     | 5.5 | 75   | 11   | 125x125 | 237 | 54x51x104 |
| 125-250/4     | 11    | 15  | 100  | 20   | 125x125 | 220 | 68x66x118 |
| 125-250A/4    | 7.5   | 10  | 93.3 | 17.4 | 125x125 | 210 | 68x57x108 |
| 125-250B/4    | 5.5   | 7.5 | 87   | 15   | 125x125 | 195 | 68x51x105 |
| 125-315/4     | 15    | 20  | 100  | 32   | 125x125 | 300 | 68x69x135 |

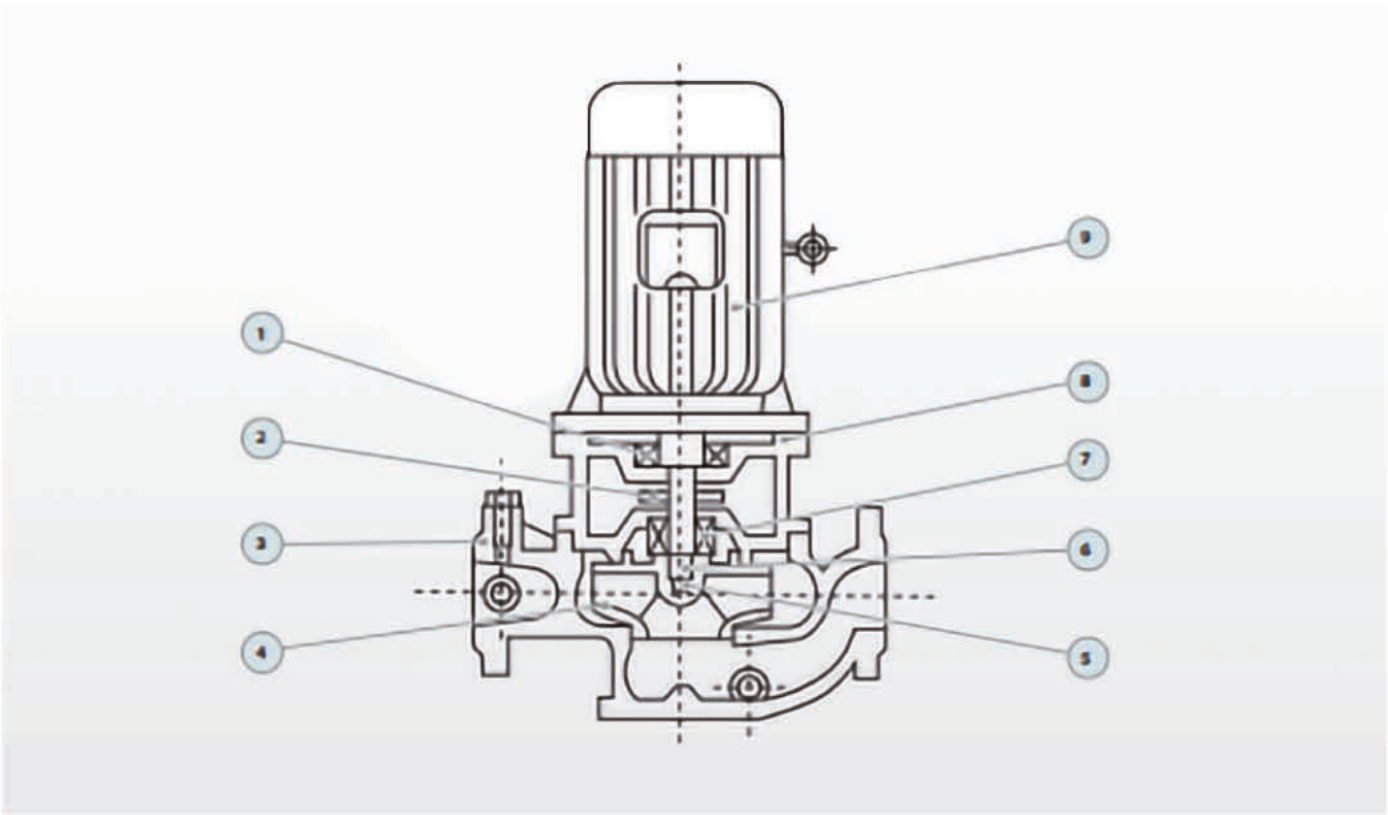
TECHNICAL DATA

50 Hz/60Hz n=1750/1450 l/min

| Model         | Power |    | Flow  | Head | DN      | Wt  | Dim       |
|---------------|-------|----|-------|------|---------|-----|-----------|
|               | kw    | hp | m3/h  | m    | mm      | kg  | cm        |
| 125-315A/4    | 11    | 15 | 95    | 27   | 125x125 | 282 | 68x69x135 |
| 125-315B/4    | 11    | 15 | 87    | 24   | 125x125 | 245 | 68x69x135 |
| 125-400/4     | 30    | 40 | 100   | 50   | 125x125 | 375 | 71x54x105 |
| 125-400A/4    | 22    | 30 | 94    | 44   | 125x125 | 295 | 71x54x105 |
| 125-400B/4    | 18.5  | 25 | 87    | 37.5 | 125x125 | 257 | 71x54x100 |
| 125-200(I)/4  | 11    | 15 | 200   | 12.5 | 125x125 | 244 | 68x44x64  |
| 125-200(I)A/4 | 7.5   | 10 | 179   | 10   | 125x125 | 210 | 68x42x62  |
| 125-250(I)/4  | 15    | 20 | 200   | 20   | 125x125 | 265 | 68x42x91  |
| 125-250(I)A/4 | 11    | 15 | 184.4 | 17   | 125x125 | 241 | 68x42x91  |
| 125-250(I)B/4 | 7.5   | 10 | 167   | 14   | 125x125 | 210 | 68x42x85  |
| 125-315(I)/4  | 22    | 30 | 200   | 32   | 125x125 | 335 | 74x47x98  |
| 125-315(I)A/4 | 18.5  | 25 | 187   | 28   | 125x125 | 315 | 74x44x95  |
| 125-315(I)B/4 | 15    | 20 | 173   | 24   | 125x125 | 265 | 74x44x95  |
| 125-400(I)/4  | 45    | 60 | 200   | 50   | 125x125 | 490 | 78x57x107 |
| 125-400(I)A/4 | 37    | 50 | 187   | 44   | 125x125 | 454 | 78x56x105 |
| 125-400(I)B/4 | 30    | 40 | 160   | 38   | 125x125 | 435 | 78x56x105 |
| 150-200/4     | 15    | 20 | 200   | 12.5 | 150x150 | 265 | 68x44x93  |
| 150-200A/4    | 11    | 15 | 179   | 10   | 150x150 | 244 | 68x44x89  |
| 150-250/4     | 18.5  | 25 | 200   | 20   | 150x150 | 300 | 70x48x96  |
| 150-250A/4    | 15    | 20 | 184.4 | 17   | 150x150 | 262 | 70x48x94  |
| 150-250B/4    | 11    | 15 | 167   | 14   | 150x150 | 241 | 70x45x90  |
| 150-315/4     | 30    | 40 | 200   | 32   | 150x150 | 410 | 76x53x108 |
| 150-315A/4    | 22    | 30 | 187   | 28   | 150x150 | 335 | 76x51x100 |
| 150-315B/4    | 18.5  | 25 | 173   | 24   | 150x150 | 315 | 76x51x96  |
| 150-400/4     | 45    | 60 | 200   | 50   | 150x150 | 490 | 80x60x112 |
| 150-400A/4    | 37    | 50 | 187   | 44   | 150x150 | 454 | 80x60x110 |
| 150-400B/4    | 30    | 40 | 174   | 38   | 150x150 | 435 | 80x56x108 |
| 150-400C/4    | 22    | 30 | 160   | 32   | 150x150 | 365 | 80x54x100 |
| 150-200(I)/4  | 15    | 20 | 200   | 12.5 | 150x150 | 265 | 68x44x93  |
| 150-200(I)A/4 | 11    | 15 | 179   | 10   | 150x150 | 244 | 68x44x89  |
| 150-250(I)/4  | 18.5  | 25 | 200   | 20   | 150x150 | 305 | 75x48x96  |
| 150-250(I)A/4 | 15    | 20 | 187   | 17.5 | 150x150 | 267 | 75x48x94  |
| 150-250(I)B/4 | 11    | 15 | 173   | 14   | 150x150 | 246 | 75x45x90  |
| 150-315(I)/4  | 30    | 40 | 200   | 32   | 150x150 | 417 | 80x53x108 |
| 150-315(I)A/4 | 22    | 30 | 187   | 28   | 150x150 | 342 | 80x51x100 |
| 150-315(I)B/4 | 18.5  | 25 | 173   | 24   | 150x150 | 322 | 80x51x96  |
| 150-400(I)/4  | 45    | 60 | 200   | 50   | 150x150 | 498 | 86x60x112 |
| 150-400(I)A/4 | 37    | 50 | 187   | 44   | 150x150 | 462 | 86x60x110 |
| 150-400(I)B/4 | 30    | 40 | 173   | 37.5 | 150x150 | 443 | 86x56x108 |
| 150-400(I)C/4 | 22    | 30 | 160   | 32   | 150x150 | 373 | 86x54x100 |
| 200-200/4     | 15    | 20 | 200   | 12.5 | 200x200 | 265 | 68x44x93  |
| 200-200A/4    | 11    | 15 | 179   | 10   | 200x200 | 244 | 68x44x89  |
| 200-250/4     | 18.5  | 25 | 200   | 20   | 200x200 | 305 | 75x48x96  |
| 200-250A/4    | 15    | 20 | 184.4 | 17   | 200x200 | 267 | 75x48x94  |
| 200-250B/4    | 11    | 15 | 179   | 14   | 200x200 | 246 | 75x45x90  |
| 200-315/4     | 30    | 40 | 200   | 32   | 200x200 | 417 | 80x53x108 |
| 200-315A/4    | 22    | 30 | 187   | 28   | 200x200 | 342 | 80x51x100 |
| 200-315B/4    | 18.5  | 25 | 173   | 24   | 200x200 | 322 | 80x51x96  |
| 200-400/4     | 45.0  | 60 | 200   | 50   | 200x200 | 498 | 80x60x112 |



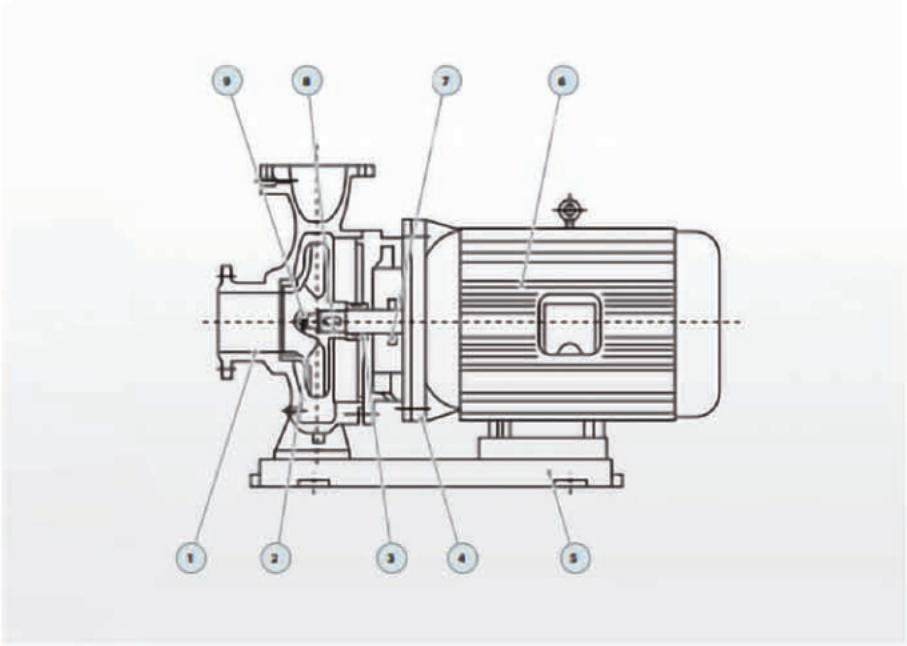
MATERIAL DESCRIPTION



| No. | Description    | Material     |
|-----|----------------|--------------|
| 1   | Bearing        | Ball Bearing |
| 2   | Water Delector | Rubber       |
| 3   | Pump Case      | Cast iron    |

| No. | Description  | Material         |
|-----|--------------|------------------|
| 4   | Impeller     | SS304/Cast iron  |
| 5   | Impeller Nut | Galvanized Steel |
| 6   | Shaft        | SS304-45# Steel  |

| No. | Description     | Material         |
|-----|-----------------|------------------|
| 7   | Mechanical Seal | SiC/Carbon/SS304 |
| 8   | Connection      | Cast iron        |
| 9   | Motor           | IP55 Class F     |



| No. | Description     | Material         |
|-----|-----------------|------------------|
| 1   | Pump Case       | Cast iron        |
| 2   | Impeller        | SS304/Cast iron  |
| 3   | Mechanical Seal | SiC/Carbon/SS304 |
| 4   | Connection      | Cast iron        |
| 5   | Base            | Cast iron        |
| 6   | Motor           | IP55 Class F     |
| 7   | Water Delector  | Rubber           |
| 8   | Shaft           | SS304-45# Steel  |
| 9   | Impeller Key    | Iron             |

SD/SDD/SDM  
Horizontal multistage pump



SD



SDD



SDM



BRIEF INTRODUCTION

DESCRIPTION

The serial pump is multi-stage section centrifugal pump,the excellent hydraulic models are high-efficiency,energy-saving, and have wide performance range,operating safety & steady, low noise, long life and installing & repairing is very convenient etc. It can deliver heat water, oil, corrosive or wearable medium by changing the material, seal or adding cooling system.

Type SD pump can deliver water without solid particle or the liquid which the chemical and physical feature are similar with water and temperature is≤80℃ , it is suitable for delivering mater in mine and urban water project etc.

Type SDG pump can deliver clean water without solid particle or the liquid which the chemical and physical feature are similar with water, and temperature is≤105℃, it is suitable for delivering boiler feed water or heat water.

Type SMD pump can deliver the neuter mineral water which solid particles percent ≤1.5%(solid Dia. <0.5mm) and other similar sewage, the temperature of the liquid is ≤80℃ . it is suitable for steel works, mines, cities projects etc.

Type SDF pump can deliver the corrosive liquid without solid particle, which temperature is from-20℃ ~ 150℃

Type SDY pump deliver oil or oil products without solid grain, viscosity≤120ct, range of temperature is from -20℃ to 150℃.

Inlet pressure of pumps is less than 0.6MPa.

CONSTRUCTION

Type SD/ SDD/ SDM/ SMD/ SDF/ SDY pump is consist of stator, rotor,bearing, shaft seal:

- ◆ Stator: The main parts are suction casing, stage casing, discharge casing and diffuser, they are screw up by poles,- to become a working house. The suction direction of type D pump is horizontal, the discharge direction is upward; the discharge and suction direction of type DG pump are
  - ◆ Bearing parts: It is consist of bearing body, bearing and bearing cover etc. The bearing of type 85-67, 155-67,600-60 pump is sliding bearing, lubricated by diluted oil,the other pump bearing is rolling bearing, lubricated by grease.
  - ◆ both upward; the discharge direction of type SMD/ SDF/ SDY pump are upward, and the suction direction is horizontal usually, also they can be made upward according to user's requirement.
  - ◆ shaft seal: It is usually adopted soft packing seal, consist of sealing house on suction casing, packing, blocking water ring, the sealing house have some pressure water, to cool,lubricate and seal pump. Type SD pump pressure watercome from pump itself, type DG SMD/SDF/SDY pump pressurewater is come from pump itself or outer water. type SDG/SDF/SMD/SDY pump usually adopt mechanical seal.
  - ◆ Rotor: It is consist of shaft, impellers, balance disc and shaft sleeve etc. Shaft supplied power to impeller; The axial force is balanced by balance disc; The sleeve mounted on shaft to protect shaft.
- Drive: The pump is driven directly by motor through elastic-coupling.The rotation of pump is clockwise looking frommo- tor to pump

TECHNICAL SHEET

|            |                                   |
|------------|-----------------------------------|
| Model      | SD/SDD/SDM /SMD/SDF/SDY           |
| Capacity   | 3. 75-840m³/h                     |
| Head       | 19-680m                           |
| DN         | 40-300mm                          |
| Speed      | 1450/2900/1750/3500rpm            |
| Tmax       | 100℃                              |
| Power      | 1.5-370kw                         |
| Voltage    | 380/660v                          |
| Hz         | 50/60                             |
| Class      | Class F                           |
| Duty       | S1 continuous                     |
| Casing     | Cast iron                         |
| Impeller   | Castiron/ss304                    |
| shaft      | 45 # steel/SS304                  |
| Shaft seal | Mechanical/Packing seal           |
| Bearing    | Greaselubrication rolling bearing |

SDM

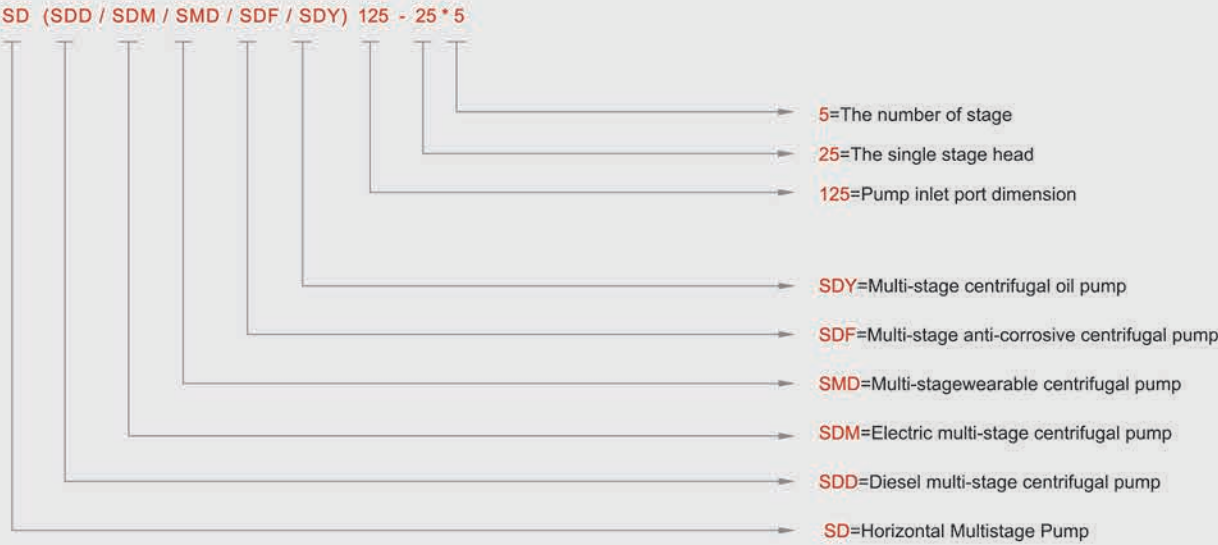
DESCRIPTION

The serial pump is multi-stage section centrifugal pump, the excellent hydraulic models are high-efficiency, energy-saving, and have wide performance range, operating safety&steady,low noise long life and installing & repairing is very convenient etc. It can deliver heat water, oil, corrosive or wearable medium by changing the material, seal or adding cooling system.

Type SD pump can deliver water without solid particle or the liquid is suitable for delivering mater in mine and urban water projectetc.

MODEL CODE

FOR EXAMPLE





SD/SDD/SDM/SMD/SDF/SDY6-25 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 3.75       | 1.04 | 51          | 2950             | 1.49                 | 3        | Y100L-2  | 35         | 2.0           | Φ138                | 80           |
|       | 6.3        | 1.75 | 50          |                  | 1.84                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 49          |                  | 2.08                 |          |          | 48         | 2.5           |                     |              |
| 3     | 3.75       | 1.04 | 76.5        | 2950             | 2.23                 | 5.5      | Y132S1-2 | 35         | 2.0           | Φ138                | 90           |
|       | 6.3        | 1.75 | 75          |                  | 2.77                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 73.5        |                  | 3.12                 |          |          | 48         | 2.5           |                     |              |
| 4     | 3.75       | 1.04 | 102         | 2950             | 2.98                 | 7.5      | Y132S2-2 | 35         | 2.0           | Φ138                | 100          |
|       | 6.3        | 1.75 | 100         |                  | 3.69                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 98          |                  | 4.16                 |          |          | 48         | 2.5           |                     |              |
| 5     | 3.75       | 1.04 | 127.5       | 2950             | 3.73                 | 7.5      | Y132S2-2 | 35         | 2.0           | Φ138                | 110          |
|       | 6.3        | 1.75 | 125         |                  | 4.61                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 122.5       |                  | 5.20                 |          |          | 48         | 2.5           |                     |              |
| 6     | 3.75       | 1.04 | 153         | 2950             | 4.47                 | 11       | Y160M1-2 | 35         | 2.0           | Φ138                | 120          |
|       | 6.3        | 1.75 | 150         |                  | 5.53                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 147         |                  | 6.24                 |          |          | 48         | 2.5           |                     |              |
| 7     | 3.75       | 1.04 | 178.5       | 2950             | 5.22                 | 11       | Y160M1-2 | 35         | 2.0           | Φ138                | 130          |
|       | 6.3        | 1.75 | 175         |                  | 6.45                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 171.5       |                  | 7.28                 |          |          | 48         | 2.5           |                     |              |
| 8     | 3.75       | 1.04 | 204         | 2950             | 5.96                 | 15       | Y160M2-2 | 35         | 2.0           | D138                | 140          |
|       | 6.3        | 1.75 | 200         |                  | 7.37                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 196         |                  | 8.32                 |          |          | 48         | 2.5           |                     |              |
| 9     | 3.75       | 1.04 | 229.5       | 2950             | 6.71                 | 15       | Y160M2-2 | 35         | 2.0           | Φ138                | 150          |
|       | 6.3        | 1.75 | 225         |                  | 8.29                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 220.5       |                  | 9.36                 |          |          | 48         | 2.5           |                     |              |
| 10    | 3.75       | 1.04 | 255         | 2950             | 7.45                 | 18.5     | Y160L-2  | 35         | 2.0           | Φ138                | 160          |
|       | 6.3        | 1.75 | 250         |                  | 9.21                 |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 245         |                  | 10.40                |          |          | 48         | 2.5           |                     |              |
| 11    | 3.75       | 1.04 | 280.5       | 2950             | 8.20                 | 18.5     | Y160L-2  | 35         | 2.0           | Φ138                | 170          |
|       | 6.3        | 1.75 | 275         |                  | 10.13                |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 269.5       |                  | 11.44                |          |          | 48         | 2.5           |                     |              |
| 12    | 3.75       | 1.04 | 306         | 2950             | 8.94                 | 18.5     | Y160L-2  | 35         | 2.0           | Φ138                | 180          |
|       | 6.3        | 1.75 | 300         |                  | 11.05                |          |          | 46.5       | 2.0           |                     |              |
|       | 7.5        | 2.08 | 294         |                  | 12.48                |          |          | 48         | 2.5           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY12-25 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 7.5        | 2.08 | 56.4        | 2950             | 2.65                 | 5.5      | Y132S1-2 | 44         | 2.0           | Φ 146               | 100          |
|       | 12.5       | 3.47 | 50          |                  | 3.15                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 46          |                  | 3.55                 |          |          | 53         | 2.5           |                     |              |
| 3     | 7.5        | 2.08 | 84.6        | 2950             | 3.93                 | 7.5      | Y132S2-2 | 44         | 2.0           | Φ 146               | 110          |
|       | 12.5       | 3.47 | 75          |                  | 4.73                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 69          |                  | 5.32                 |          |          | 53         | 2.5           |                     |              |
| 4     | 7.5        | 2.08 | 112.8       | 2950             | 5.24                 | 11       | Y160M-2  | 44         | 2.0           | Φ 146               | 123          |
|       | 12.5       | 3.47 | 100         |                  | 6.30                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 92          |                  | 7.09                 |          |          | 53         | 2.5           |                     |              |
| 5     | 7.5        | 2.08 | 141         | 2950             | 6.55                 | 11       | Y160M1-2 | 44         | 2.0           | Φ 146               | 135          |
|       | 12.5       | 3.47 | 125         |                  | 7.88                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 115         |                  | 8.86                 |          |          | 53         | 2.5           |                     |              |
| 6     | 7.5        | 2.08 | 169.2       | 2950             | 7.85                 | 15       | Y160M2-2 | 44         | 2.0           | Φ 146               | 148          |
|       | 12.5       | 3.47 | 150         |                  | 9.46                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 138         |                  | 10.64                |          |          | 53         | 2.5           |                     |              |
| 7     | 7.5        | 2.08 | 197.4       | 2950             | 9.16                 | 15       | Y160M2-2 | 44         | 2.0           | Φ 146               | 161          |
|       | 12.5       | 3.47 | 175         |                  | 11.10                |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 161         |                  | 12.41                |          |          | 53         | 2.5           |                     |              |
| 8     | 7.5        | 2.08 | 225.6       | 2950             | 10.47                | 18.5     | Y160L-2  | 44         | 2.0           | Φ 146               | 174          |
|       | 12.5       | 3.47 | 200         |                  | 12.61                |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 184         |                  | 14.18                |          |          | 53         | 2.5           |                     |              |
| 9     | 7.5        | 2.08 | 253.8       | 2950             | 11.78                | 18.5     | Y160L-2  | 44         | 2.0           | Φ 146               | 187          |
|       | 12.5       | 3.47 | 225         |                  | 14.18                |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 207         |                  | 15.95                |          |          | 53         | 2.5           |                     |              |
| 10    | 7.5        | 2.08 | 282         | 2950             | 13.09                | 22       | Y180M-2  | 44         | 2.0           | Φ 146               | 199          |
|       | 12.5       | 3.47 | 250         |                  | 15.76                |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 230         |                  | 17.73                |          |          | 53         | 2.5           |                     |              |
| 11    | 7.5        | 2.08 | 310.2       | 2950             | 14.4                 | 22       | Y180M-2  | 44         | 2.0           | Φ 146               | 212          |
|       | 12.5       | 3.47 | 275         |                  | 17.34                |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 253         |                  | 19.5                 |          |          | 53         | 2.5           |                     |              |
| 12    | 7.5        | 2.08 | 338.4       | 2950             | 15.7                 | 30       | Y200L1-2 | 44         | 2.0           | Φ 146               | 234          |
|       | 12.5       | 3.47 | 300         |                  | 18.9                 |          |          | 54         | 2.0           |                     |              |
|       | 15         | 4.17 | 276         |                  | 21.3                 |          |          | 53         | 2.5           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY6-50 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 3.75       | 1.04 | 104         | 2950             | 3.79                 | 11       | Y160M1-2 | 28         | 3.0           | Φ198                | 140          |
|       | 6.3        | 1.75 | 100         |                  | 5.72                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 96          |                  | 6.76                 |          |          | 29         | 3.5           |                     |              |
| 3     | 3.75       | 1.04 | 106         | 2950             | 5.69                 | 15       | Y160M2-2 | 28         | 3.0           | Φ198                | 160          |
|       | 6.3        | 1.75 | 150         |                  | 8.58                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 144         |                  | 10. 1                |          |          | 29         | 3.5           |                     |              |
| 4     | 3.75       | 1.04 | 208         | 2950             | 7.58                 | 18.5     | Y160L-2  | 28         | 3.0           | Φ198                | 180          |
|       | 6.3        | 1.75 | 200         |                  | 11.4                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 192         |                  | 13.5                 |          |          | 29         | 3.5           |                     |              |
| 5     | 3.75       | 1.04 | 260         | 2950             | 9.48                 | 22       | Y180M-2  | 28         | 3.0           | Φ198                | 200          |
|       | 6.3        | 1.75 | 250         |                  | 14.3                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 240         |                  | 16.9                 |          |          | 29         | 3.5           |                     |              |
| 6     | 3.75       | 1.04 | 312         | 2950             | 11.4                 | 30       | Y200L-2  | 28         | 3.0           | Φ198                | 220          |
|       | 6.3        | 1.75 | 300         |                  | 17.2                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 288         |                  | 20.3                 |          |          | 29         | 3.5           |                     |              |
| 7     | 3.75       | 1.04 | 364         | 2950             | 13.3                 | 30       | Y200L1-2 | 28         | 3.0           | Φ198                | 240          |
|       | 6.3        | 1.75 | 350         |                  | 20.0                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 336         |                  | 23.7                 |          |          | 29         | 3.5           |                     |              |
| 8     | 3.75       | 1.04 | 416         | 2950             | 15.2                 | 37       | Y200L2-2 | 28         | 3.0           | Φ198                | 260          |
|       | 6.3        | 1.75 | 400         |                  | 22.9                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 384         |                  | 27.0                 |          |          | 29         | 3.5           |                     |              |
| 9     | 3.75       | 1.04 | 468         | 2950             | 17. 1                | 37       | Y200L2-2 | 28         | 3.0           | Φ198                | 280          |
|       | 6.3        | 1.75 | 450         |                  | 25.7                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 432         |                  | 30.4                 |          |          | 29         | 3.5           |                     |              |
| 10    | 3.75       | 1.04 | 520         | 2950             | 19.0                 | 45       | Y225M-2  | 28         | 3.0           | Φ198                | 300          |
|       | 6.3        | 1.75 | 500         |                  | 28.6                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 480         |                  | 33.8                 |          |          | 29         | 3.5           |                     |              |
| 11    | 3.75       | 1.04 | 572         | 2950             | 20.8                 | 45       | Y225M-2  | 28         | 3.0           | Φ198                | 320          |
|       | 6.3        | 1.75 | 550         |                  | 31.4                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 528         |                  | 37.2                 |          |          | 29         | 3.5           |                     |              |
| 12    | 3.75       | 1.04 | 624         | 2950             | 22.7                 | 55       | Y250M-2  | 28         | 3.0           | Φ198                | 340          |
|       | 6.3        | 1.75 | 600         |                  | 34.3                 |          |          | 30         | 3.0           |                     |              |
|       | 7.5        | 2.08 | 576         |                  | 40.6x                |          |          | 29         | 3.5           |                     |              |



SD/SDD/SDM/SMD/SDF/SDY25-30 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 15         | 4.17 | 68          | 2950             | 5.56                 | 11       | Y160M1-2 | 50         | 2.2           | Φ 160               | 110          |
|       | 25         | 6.94 | 60          |                  | 6.58                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 55          |                  | 7.14                 |          |          | 63         | 2.4           |                     |              |
| 3     | 15         | 4.17 | 102         | 2950             | 8.33                 | 15       | Y160M2-2 | 50         | 2.2           | Φ 160               | 130          |
|       | 25         | 6.94 | 90          |                  | 9.88                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 82.5        |                  | 10.7                 |          |          | 63         | 2.4           |                     |              |
| 4     | 15         | 4.17 | 136         | 2950             | 11.11                | 18.5     | Y160L-2  | 50         | 2.2           | Φ 160               | 150          |
|       | 25         | 6.94 | 120         |                  | 13.1                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 110         |                  | 14.26                |          |          | 63         | 2.4           |                     |              |
| 5     | 15         | 4.17 | 170         | 2950             | 13.89                | 22       | Y180M-2  | 50         | 2.2           | Φ 160               | 170          |
|       | 25         | 6.94 | 150         |                  | 16.47                |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 137.5       |                  | 17.83                |          |          | 63         | 2.4           |                     |              |
| 6     | 15         | 4.17 | 204         | 2950             | 16.67                | 30       | Y200L1-2 | 50         | 2.2           | Φ 160               | 190          |
|       | 25         | 6.94 | 180         |                  | 19.77                |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 165         |                  | 21.4                 |          |          | 63         | 2.4           |                     |              |
| 7     | 15         | 4.17 | 238         | 2950             | 19.44                | 30       | Y200L1-2 | 50         | 2.2           | Φ 160               | 210          |
|       | 25         | 6.94 | 210         |                  | 23.1                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 192.5       |                  | 24.96                |          |          | 63         | 2.4           |                     |              |
| 8     | 15         | 4.17 | 272         | 2950             | 22.22                | 37       | Y200L2-2 | 50         | 2.2           | Φ 160               | 230          |
|       | 25         | 6.94 | 240         |                  | 26.4                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 220         |                  | 28.53                |          |          | 63         | 2.4           |                     |              |
| 9     | 15         | 4.17 | 306         | 2950             | 25.0                 | 37       | Y200L2-2 | 50         | 2.2           | Φ 160               | 250          |
|       | 25         | 6.94 | 270         |                  | 29.65                |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 247.5       |                  | 32.1                 |          |          | 63         | 2.4           |                     |              |
| 10    | 15         | 4.17 | 340         | 2950             | 27.8                 | 45       | Y225M-2  | 50         | 2.2           | Φ 160               | 270          |
|       | 25         | 6.94 | 300         |                  | 32.9                 |          |          | 62         | 2.2           |                     |              |
|       | 30         | 8.33 | 275         |                  | 35.7                 |          |          | 63         | 2.4           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY46-30 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 30         | 8.33 | 68          | 2950             | 8.68                 | 15       | Y160M2-2 | 64         | 2.2           | Φ 162               | 165          |
|       | 46         | 12.8 | 60          |                  | 10.74                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 54          |                  | 11.89                |          |          | 68         | 4.6           |                     |              |
| 3     | 30         | 8.33 | 102         | 2950             | 13.02                | 22       | Y180M-2  | 64         | 2.2           | Φ 162               | 180          |
|       | 46         | 12.8 | 90          |                  | 16.11                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 81          |                  | 17.84                |          |          | 68         | 4.6           |                     |              |
| 4     | 30         | 8.33 | 136         | 2950             | 17.36                | 30       | Y200L1-2 | 64         | 2.2           | Φ 162               | 197          |
|       | 46         | 12.8 | 120         |                  | 21.48                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 108         |                  | 23.79                |          |          | 68         | 4.6           |                     |              |
| 5     | 30         | 8.33 | 170         | 2950             | 21.7                 | 37       | Y200L2-2 | 64         | 2.2           | Φ 162               | 214          |
|       | 46         | 12.8 | 150         |                  | 26.85                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 135         |                  | 29.74                |          |          | 68         | 4.6           |                     |              |
| 6     | 30         | 8.33 | 204         | 2950             | 26.04                | 37       | Y200L2-2 | 64         | 2.2           | Φ 162               | 231          |
|       | 46         | 12.8 | 180         |                  | 32.21                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 162         |                  | 35.68                |          |          | 68         | 4.6           |                     |              |
| 7     | 30         | 8.33 | 238         | 2950             | 30.38                | 45       | Y225M-2  | 64         | 2.2           | Φ 162               | 248          |
|       | 46         | 12.8 | 210         |                  | 37.58                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 189         |                  | 41.63                |          |          | 68         | 4.6           |                     |              |
| 8     | 30         | 8.33 | 272         | 2950             | 34.72                | 55       | Y250M-2  | 64         | 2.2           | Φ 162               | 265          |
|       | 46         | 12.8 | 240         |                  | 42.95                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 216         |                  | 47.58                |          |          | 68         | 4.6           |                     |              |
| 9     | 30         | 8.33 | 306         | 2950             | 39.06                | 55       | Y250M-2  | 64         | 2.2           | Φ 162               | 282          |
|       | 46         | 12.8 | 270         |                  | 48.32                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 243         |                  | 53.53                |          |          | 68         | 4.6           |                     |              |
| 10    | 30         | 8.33 | 340         | 2950             | 43.4                 | 75       | Y280S-2  | 64         | 2.2           | Φ 162               | 299          |
|       | 46         | 12.8 | 300         |                  | 53.69                |          |          | 70         | 2.8           |                     |              |
|       | 55         | 15.3 | 270         |                  | 59.47                |          |          | 68         | 4.6           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY25-50 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 3     | 15         | 4.17 | 154.5       | 2950             | 14.3                 | 30       | Y200L1-2 | 44         | 2.4           | Φ 196               | 220          |
|       | 25         | 6.94 | 150         |                  | 18.9                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 144         |                  | 20.3                 |          |          | 54         | 2.8           |                     |              |
| 4     | 15         | 4.17 | 206         | 2950             | 19.1                 | 37       | Y200L2-2 | 44         | 2.4           | Φ 196               | 241          |
|       | 25         | 6.94 | 200         |                  | 25.2                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 192         |                  | 27.1                 |          |          | 54         | 2.8           |                     |              |
| 5     | 15         | 4.17 | 257.5       | 2950             | 23.9                 | 37       | Y200L2-2 | 44         | 2.4           | Φ 196               | 262          |
|       | 25         | 6.94 | 250         |                  | 31.5                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 240         |                  | 33.9                 |          |          | 54         | 2.8           |                     |              |
| 6     | 15         | 4.17 | 309         | 2950             | 28.6                 | 45       | Y225M-2  | 44         | 2.4           | Φ 196               | 283          |
|       | 25         | 6.94 | 300         |                  | 37.8                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 288         |                  | 40.7                 |          |          | 54         | 2.8           |                     |              |
| 7     | 15         | 4.17 | 360.5       | 2950             | 33.4                 | 55       | Y250M-2  | 44         | 2.4           | Φ 196               | 304          |
|       | 25         | 6.94 | 350         |                  | 44.1                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 336         |                  | 47.5                 |          |          | 54         | 2.8           |                     |              |
| 8     | 15         | 4.17 | 412         | 2950             | 38.2                 | 75       | Y280S-2  | 44         | 2.4           | Φ 196               | 325          |
|       | 25         | 6.94 | 400         |                  | 50.4                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 384         |                  | 54.2                 |          |          | 54         | 2.8           |                     |              |
| 9     | 15         | 4.17 | 463.5       | 2950             | 43.0                 | 75       | Y280S-2  | 44         | 2.4           | Φ 196               | 346          |
|       | 25         | 6.94 | 450         |                  | 56.7                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 432         |                  | 61.0                 |          |          | 54         | 2.8           |                     |              |
| 10    | 15         | 4.17 | 515         | 2950             | 47.7                 | 75       | Y280S-2  | 44         | 2.4           | Φ 196               | 367          |
|       | 25         | 6.94 | 500         |                  | 63.0                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 480         |                  | 67.8                 |          |          | 54         | 2.8           |                     |              |
| 11    | 15         | 4.17 | 566         | 2950             | 52.5                 | 90       | Y280M-2  | 44         | 2.4           | Φ 196               | 388          |
|       | 25         | 6.94 | 550         |                  | 69.3                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 528         |                  | 74.6                 |          |          | 54         | 2.8           |                     |              |
| 12    | 15         | 4.17 | 618         | 2950             | 57.6                 | 110      | Y315S-2  | 44         | 2.4           | Φ 196               | 409          |
|       | 25         | 6.94 | 600         |                  | 75.6                 |          |          | 54         | 2.7           |                     |              |
|       | 28         | 7.78 | 576         |                  | 81.4                 |          |          | 54         | 2.8           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY46-50 TECHNICAL DATA

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor       |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|-------------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power<br>kW | Type     |            |               |                     |              |
| 2     | 30         | 8.33  | 111         | 2950             | 16.78                | 30          | Y200L1-2 | 54         | 2.5           | Φ 210               | 255          |
|       | 46         | 12.78 | 100         |                  | 19.88                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 92          |                  | 21.52                |             |          | 64         | 3.2           |                     |              |
| 3     | 30         | 8.33  | 166.5       | 2950             | 25.19                | 37          | Y200L2-2 | 54         | 2.5           | Φ 210               | 270          |
|       | 46         | 12.78 | 150         |                  | 29.83                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 138         |                  | 32.28                |             |          | 64         | 3.2           |                     |              |
| 4     | 30         | 8.33  | 222         | 2950             | 33.59                | 45          | Y225M-2  | 54         | 2.5           | Φ 210               | 295          |
|       | 46         | 12.78 | 200         |                  | 39.77                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 184         |                  | 43.04                |             |          | 64         | 3.2           |                     |              |
| 5     | 30         | 8.33  | 277.5       | 2950             | 41.98                | 55          | Y250M-2  | 54         | 2.5           | Φ 210               | 315          |
|       | 46         | 12.78 | 250         |                  | 49.71                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 230         |                  | 53.80                |             |          | 64         | 3.2           |                     |              |
| 6     | 30         | 8.33  | 333         | 2950             | 50.38                | 75          | Y280S-2  | 54         | 2.5           | Φ 210               | 340          |
|       | 46         | 12.78 | 300         |                  | 59.65                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 276         |                  | 64.56                |             |          | 64         | 3.2           |                     |              |
| 7     | 30         | 8.33  | 388.5       | 2950             | 58.78                | 90          | Y280M-2  | 54         | 2.5           | Φ 210               | 360          |
|       | 46         | 12.78 | 350         |                  | 69.60                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 322         |                  | 75.32                |             |          | 64         | 3.2           |                     |              |
| 8     | 30         | 8.33  | 444         | 2950             | 67.20                | 90          | Y280M-2  | 54         | 2.5           | Φ 210               | 385          |
|       | 46         | 12.78 | 400         |                  | 79.52                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 368         |                  | 86.08                |             |          | 64         | 3.2           |                     |              |
| 9     | 30         | 8.33  | 499.5       | 2950             | 75.56                | 110         | Y315S-2  | 54         | 2.5           | Φ 210               | 405          |
|       | 46         | 12.78 | 450         |                  | 89.48                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 414         |                  | 96.84                |             |          | 64         | 3.2           |                     |              |
| 10    | 30         | 8.33  | 555         | 2950             | 83.97                | 132         | Y315M-2  | 54         | 2.5           | Φ 210               | 430          |
|       | 46         | 12.78 | 500         |                  | 99.42                |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 460         |                  | 107.60               |             |          | 64         | 3.2           |                     |              |
| 11    | 30         | 8.33  | 610.5       | 2950             | 92.37                | 132         | Y315M-2  | 54         | 2.5           | Φ 210               | 450          |
|       | 46         | 12.78 | 550         |                  | 109.36               |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 506         |                  | 118.36               |             |          | 64         | 3.2           |                     |              |
| 12    | 30         | 8.33  | 666         | 2950             | 100.8                | 160         | Y315L1-2 | 54         | 2.5           | Φ 210               | 475          |
|       | 46         | 12.78 | 600         |                  | 119.28               |             |          | 63         | 2.8           |                     |              |
|       | 55         | 15.28 | 552         |                  | 129.12               |             |          | 64         | 3.2           |                     |              |



SD/SDD/SDM/SMD/SDF/SDYM80-30 TECHNICAL DATA

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power kW | Type     |            |               |                     |              |
| 3     | 26         | 7.22  | 102         | 2950             | 12.0                 | 18.5     | Y160L-2  | 60         | 3.0           | Φ 162               | 145          |
|       | 43         | 11.94 | 90          |                  | 15.1                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 83          |                  | 15.7                 |          |          | 69         | 4.3           |                     |              |
| 4     | 26         | 7.22  | 136         | 2950             | 16.0                 | 22       | Y180M-2  | 60         | 3.0           | Φ 162               | 163          |
|       | 43         | 11.94 | 120         |                  | 20.1                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 111         |                  | 20.96                |          |          | 69         | 4.3           |                     |              |
| 5     | 26         | 7.22  | 170         | 2950             | 20.1                 | 30       | Y200L1-2 | 60         | 3.0           | Φ 162               | 181          |
|       | 43         | 11.94 | 150         |                  | 25.2                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 139         |                  | 26.2                 |          |          | 69         | 4.3           |                     |              |
| 6     | 26         | 7.22  | 204         | 2950             | 24.1                 | 37       | Y200L2-2 | 60         | 3.0           | Φ 162               | 200          |
|       | 43         | 11.94 | 180         |                  | 30.2                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 167         |                  | 31.44                |          |          | 69         | 4.3           |                     |              |
| 7     | 26         | 7.22  | 238         | 2950             | 28.1                 | 45       | Y225M-2  | 60         | 3.0           | Φ 162               | 218          |
|       | 43         | 11.94 | 210         |                  | 35.2                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 195         |                  | 36.68                |          |          | 69         | 4.3           |                     |              |
| 8     | 26         | 7.22  | 272         | 2950             | 32.1                 | 55       | Y250M-2  | 60         | 3.0           | Φ 162               | 236          |
|       | 43         | 11.94 | 240         |                  | 40.2                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 222         |                  | 41.96                |          |          | 69         | 4.3           |                     |              |
| 9     | 26         | 7.22  | 306         | 2950             | 36.1                 | 55       | Y250M-2  | 60         | 3.0           | Φ 162               | 255          |
|       | 43         | 11.94 | 270         |                  | 45.3                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 250         |                  | 47.16                |          |          | 69         | 4.3           |                     |              |
| 10    | 26         | 7.22  | 340         | 2950             | 40.1                 | 55       | Y250M-2  | 60         | 3.0           | Φ 162               | 275          |
|       | 43         | 11.94 | 300         |                  | 50.3                 |          |          | 70         | 3.9           |                     |              |
|       | 48         | 13.33 | 278         |                  | 53.0                 |          |          | 69         | 4.3           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY85-67 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 3     | 55         | 15.3 | 222         | 2950             | 57.3                 | 90       | Y280M-2  | 58         | 3.3           | Φ 235               | 846          |
|       | 85         | 23.6 | 201         |                  | 68.4                 |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 183         |                  | 73.3                 |          |          | 68         | 4.4           |                     |              |
| 4     | 55         | 15.3 | 296         | 2950             | 76.4                 | 110      | Y315S-2  | 58         | 3.3           | Φ 235               | 964          |
|       | 85         | 23.6 | 268         |                  | 91.2                 |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 244         |                  | 97.7                 |          |          | 68         | 4.4           |                     |              |
| 5     | 55         | 15.3 | 370         | 2950             | 95.6                 | 132      | Y315M-2  | 58         | 3.3           | Φ 235               | 1126         |
|       | 85         | 23.6 | 335         |                  | 114                  |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 305         |                  | 122.2                |          |          | 68         | 4.4           |                     |              |
| 6     | 55         | 15.3 | 444         | 2950             | 114.7                | 160      | Y315L1-2 | 58         | 3.3           | Φ 235               | 1434         |
|       | 85         | 23.6 | 402         |                  | 136.9                |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 366         |                  | 146.6                |          |          | 68         | 4.4           |                     |              |
| 7     | 55         | 15.3 | 518         | 2950             | 133.8                | 185      | Y315L-2  | 58         | 3.3           | Φ 235               | 1556         |
|       | 85         | 23.6 | 469         |                  | 159.6                |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 427         |                  | 171                  |          |          | 68         | 4.4           |                     |              |
| 8     | 55         | 15.3 | 592         | 2950             | 152.9                | 220      | Y355M1-2 | 58         | 3.3           | Φ 235               | 1624         |
|       | 85         | 23.6 | 536         |                  | 182.4                |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 488         |                  | 195.4                |          |          | 68         | 4.4           |                     |              |
| 9     | 55         | 15.3 | 666         | 2950             | 172                  | 250      | Y355M2-2 | 58         | 3.3           | Φ 235               | 1840         |
|       | 85         | 23.6 | 603         |                  | 205.2                |          |          | 68         | 4.0           |                     |              |
|       | 100        | 27.8 | 549         |                  | 219.9                |          |          | 68         | 4.4           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY85-45(100D45)TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 55         | 15.3 | 102         | 2950             | 24.25                | 37       | Y200L2-2 | 63         | 3.2           | Φ 200               | 225          |
|       | 85         | 23.6 | 90          |                  | 28.92                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 78          |                  | 30.35                |          |          | 70         | 5.2           |                     |              |
| 3     | 55         | 15.3 | 153         | 2950             | 36.38                | 55       | Y250M-2  | 63         | 3.2           | Φ 200               | 250          |
|       | 85         | 23.6 | 135         |                  | 43.37                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 117         |                  | 45.52                |          |          | 70         | 5.2           |                     |              |
| 4     | 55         | 15.3 | 204         | 2950             | 48.5                 | 75       | Y280S-2  | 63         | 3.2           | Φ 200               | 275          |
|       | 85         | 23.6 | 180         |                  | 57.82                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 156         |                  | 60.7                 |          |          | 70         | 5.2           |                     |              |
| 5     | 55         | 15.3 | 255         | 2950             | 60.63                | 90       | Y280M-2  | 63         | 3.2           | Φ 200               | 300          |
|       | 85         | 23.6 | 225         |                  | 72.28                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 195         |                  | 75.86                |          |          | 70         | 5.2           |                     |              |
| 6     | 55         | 15.3 | 306         | 2950             | 72.75                | 110      | Y315S-2  | 63         | 3.2           | Φ 200               | 325          |
|       | 85         | 23.6 | 270         |                  | 86.73                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 234         |                  | 91.04                |          |          | 70         | 5.2           |                     |              |
| 7     | 55         | 15.3 | 357         | 2950             | 84.88                | 132      | Y315M-2  | 63         | 3.2           | Φ 200               | 350          |
|       | 85         | 23.6 | 315         |                  | 101.2                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 273         |                  | 106.2                |          |          | 70         | 5.2           |                     |              |
| 8     | 55         | 15.3 | 408         | 2950             | 97.0                 | 132      | Y315M-2  | 63         | 3.2           | Φ 200               | 375          |
|       | 85         | 23.6 | 360         |                  | 115.6                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 312         |                  | 121.4                |          |          | 70         | 5.2           |                     |              |
| 9     | 55         | 15.3 | 459         | 2950             | 109.1                | 160      | Y315L1-2 | 63         | 3.2           | Φ 200               | 400          |
|       | 85         | 23.6 | 405         |                  | 130.1                |          |          | 72         | 4.2           |                     |              |
|       | 100        | 27.8 | 351         |                  | 136.6                |          |          | 70         | 5.2           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY120-50 TECHNICAL

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 96         | 26.7 | 110         | 2950             | 39.44                | 55       | Y250M-2  | 73         | 3.2           | Φ 213               | 640          |
|       | 120        | 33.3 | 100         |                  | 44.54                |          |          | 73.3       | 5.1           |                     |              |
|       | 140        | 38.9 | 84.6        |                  | 48.8                 |          |          | 67.5       | 6.7           |                     |              |
| 3     | 96         | 26.7 | 165         | 2950             | 59.09                | 90       | Y280M-2  | 73         | 3.2           | Φ 213               | 720          |
|       | 120        | 33.3 | 150         |                  | 66.88                |          |          | 73.3       | 5.1           |                     |              |
|       | 140        | 38.9 | 126.9       |                  | 71.68                |          |          | 67.5       | 6.7           |                     |              |
| 4     | 96         | 26.7 | 220         | 2950             | 78.79                | 110      | Y315S-2  | 73         | 3.2           | Φ 213               | 800          |
|       | 120        | 33.3 | 200         |                  | 89.17                |          |          | 73.3       | 5.1           |                     |              |
|       | 140        | 38.9 | 169.2       |                  | 95.57                |          |          | 67.5       | 6.7           |                     |              |
| 5     | 96         | 26.7 | 275         | 2950             | 98.49                | 132      | Y315M-2  | 73         | 3.2           | Φ 213               | 880          |
|       | 120        | 33.3 | 250         |                  | 111.46               |          |          | 73.3       | 5.1           |                     |              |
|       | 140        | 38.9 | 211.5       |                  | 119.46               |          |          | 67.5       | 6.7           |                     |              |
| 6     | 96         | 26.7 | 330         | 2950             | 118.18               | 160      | Y315Li-2 | 73         | 3.2           | Φ 213               | 960          |
|       | 120        | 33.3 | 300         |                  | 133.75               |          |          | 73.3       | 5.1           |                     |              |
|       | 140        | 38.9 | 253.8       |                  | 143.36               |          |          | 67.5       | 6.7           |                     |              |
| 7     | 96         | 26.7 | 385         | 2950             | 137.88               | 200      | Y315L2-2 | 73         | 3.2           | Φ 213               | 1040         |
|       | 120        | 33.3 | 350         |                  | 156.04               |          |          | 73.3       | 5.1           |                     |              |



SD/SDD/SDM/SMD/SDF/SDY155-30(150D30) TECHNICAL DATA

| MODEL | DELIVERY<br>Q |      | Head<br>H<br>m | Speed<br>n<br>r/min | Shaft power<br>Pa<br>kW | Motor       |         | Eff<br>η<br>% | (NPSH) r<br>m | Impeller<br>Dia.<br>mm | Weight<br>kg |
|-------|---------------|------|----------------|---------------------|-------------------------|-------------|---------|---------------|---------------|------------------------|--------------|
|       | m3/h          | L/S  |                |                     |                         | power<br>kW | Type    |               |               |                        |              |
| 2     | 119           | 33   | 64             | 1480                | 29.8                    | 45          | Y225M-4 | 69.5          | 3.2           | Φ 305                  | 490          |
|       | 155           | 43   | 60             |                     | 33.71                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 54             |                     | 36.95                   |             |         | 76            | 4.8           |                        |              |
| 3     | 119           | 33   | 96             | 1480                | 44.7                    | 75          | Y280S-4 | 69.5          | 3.2           | Φ 305                  | 575          |
|       | 155           | 43   | 90             |                     | 50.57                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 81             |                     | 55.42                   |             |         | 76            | 4.8           |                        |              |
| 4     | 119           | 33   | 128            | 1480                | 59.6                    | 90          | Y280M4  | 69.5          | 3.2           | Φ 305                  | 660          |
|       | 155           | 43   | 120            |                     | 67.42                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 108            |                     | 73.9                    |             |         | 76            | 4.8           |                        |              |
| 5     | 119           | 33   | 160            | 1480                | 74.5                    | 110         | Y315S-4 | 69.5          | 3.2           | Φ 305                  | 750          |
|       | 155           | 43   | 150            |                     | 84.28                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 135            |                     | 92.37                   |             |         | 76            | 4.8           |                        |              |
| 6     | 119           | 33   | 192            | 1480                | 89.4                    | 132         | Y315M4  | 69.5          | 3.2           | Φ 305                  | 840          |
|       | 155           | 43   | 180            |                     | 101.1                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 162            |                     | 110.8                   |             |         | 76            | 4.8           |                        |              |
| 7     | 119           | 33   | 224            | 1480                | 104.3                   | 160         | Y315Li4 | 69.5          | 3.2           | Φ 305                  | 930          |
|       | 155           | 43   | 210            |                     | 118.0                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 189            |                     | 129.3                   |             |         | 76            | 4.8           |                        |              |
| 8     | 119           | 33   | 256            | 1480                | 119.2                   | 200         | Y315L24 | 69.5          | 3.2           | Φ 305                  | 1020         |
|       | 155           | 43   | 240            |                     | 134.8                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 216            |                     | 147.8                   |             |         | 76            | 4.8           |                        |              |
| 9     | 119           | 33   | 288            | 1480                | 134.1                   | 200         | Y315L24 | 69.5          | 3.2           | Φ 305                  | 1110         |
|       | 155           | 43   | 270            |                     | 151.7                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 243            |                     | 166.3                   |             |         | 76            | 4.8           |                        |              |
| 10    | 119           | 33   | 320            | 1480                | 149                     | 220         | Y355M4  | 69.5          | 3.2           | Φ 305                  | 1200         |
|       | 155           | 43   | 300            |                     | 168.6                   |             |         | 75            | 3.9           |                        |              |
|       | 190           | 52.8 | 270            |                     | 184.7                   |             |         | 76            | 4.8           |                        |              |

SD/SDD/SDM/SMD/SDF/SDY280-43(200D43) TECHNICAL DATA

| MODEL | DELIVERY<br>Q |      | Head<br>H<br>m | Speed<br>n<br>r/min | Shaft power<br>Pa<br>kW | Motor       |          | Eff<br>η<br>% | (NPSH) r<br>m | Impeller<br>Dia.<br>mm | Weight<br>kg |
|-------|---------------|------|----------------|---------------------|-------------------------|-------------|----------|---------------|---------------|------------------------|--------------|
|       | m3/h          | L/S  |                |                     |                         | power<br>kW | Type     |               |               |                        |              |
| 2     | 185           | 51.4 | 94             | 1480                | 68.6                    | 110         | Y315S-4  | 69            | 2.5           | Φ 360                  | 667          |
|       | 280           | 77.8 | 86             |                     | 85.2                    |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 76             |                     | 92.5                    |             |          | 75            | 5.2           |                        |              |
| 3     | 185           | 51.4 | 141            | 1480                | 102.9                   | 160         | Y315L1-4 | 69            | 2.5           | Φ 360                  | 787          |
|       | 280           | 77.8 | 129            |                     | 127.7                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 114            |                     | 138.8                   |             |          | 75            | 5.2           |                        |              |
| 4     | 185           | 51.4 | 188            | 1480                | 137.7                   | 200         | Y315L-4  | 69            | 2.5           | Φ 360                  | 908          |
|       | 280           | 77.8 | 172            |                     | 170.3                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 152            |                     | 185.0                   |             |          | 75            | 5.2           |                        |              |
| 5     | 185           | 51.4 | 235            | 1480                | 171.6                   | 250         | Y355M2-4 | 69            | 2.5           | Φ 360                  | 1028         |
|       | 280           | 77.8 | 215            |                     | 212.9                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 190            |                     | 231.3                   |             |          | 75            | 5.2           |                        |              |
| 6     | 185           | 51.4 | 282            | 1480                | 205.9                   | 315         | Y355L2-4 | 69            | 2.5           | Φ 360                  | 1149         |
|       | 280           | 77.8 | 258            |                     | 255.5                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 228            |                     | 277.5                   |             |          | 75            | 5.2           |                        |              |
| 7     | 185           | 51.4 | 329            | 1480                | 240.2                   | 355         | Y4001-4  | 69            | 2.5           | Φ 360                  | 1270         |
|       | 280           | 77.8 | 301            |                     | 298.1                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 266            |                     | 323.8                   |             |          | 75            | 5.2           |                        |              |
| 8     | 185           | 51.4 | 376            | 1480                | 274.5                   | 400         | Y4002-4  | 69            | 2.5           | Φ 360                  | 1390         |
|       | 280           | 77.8 | 344            |                     | 340.7                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 304            |                     | 370.0                   |             |          | 75            | 5.2           |                        |              |
| 9     | 185           | 51.4 | 423            | 1480                | 308.8                   | 450         | Y4003-4  | 69            | 2.5           | Φ 360                  | 1512         |
|       | 280           | 77.8 | 387            |                     | 383.3                   |             |          | 77            | 4.0           |                        |              |
|       | 335           | 93.1 | 342            |                     | 416.3                   |             |          | 75            | 5.2           |                        |              |

SD/SDD/SDM/SMD/SDF/SDY155-67 TECHNICAL

| MODEL | DELIVERY<br>Q |      | Head<br>H<br>m | Speed<br>n<br>r/min | Shaft power<br>Pa<br>kW | Motor       |          | Eff<br>η<br>% | (NPSH) r<br>m | Impeller<br>Dia.<br>mm | Weight<br>kg |
|-------|---------------|------|----------------|---------------------|-------------------------|-------------|----------|---------------|---------------|------------------------|--------------|
|       | m3/h          | L/S  |                |                     |                         | power<br>kW | Type     |               |               |                        |              |
| 2     | 100           | 27.8 | 152            | 2950                | 64.7                    | 90          | Y280M2   | 64            | 3.2           | Φ 235                  | 880          |
|       | 155           | 43.1 | 134            |                     | 76.5                    |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 118            |                     | 82.6                    |             |          | 72            | 6.6           |                        |              |
| 3     | 100           | 27.8 | 228            | 2950                | 97.0                    | 132         | Y315M-2  | 64            | 3.2           | Φ 235                  | 952          |
|       | 155           | 43.1 | 201            |                     | 114.7                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 177            |                     | 123.9                   |             |          | 72            | 6.6           |                        |              |
| 4     | 100           | 27.8 | 304            | 2950                | 129.4                   | 185         | Y315L-2  | 64            | 3.2           | Φ 235                  | 1024         |
|       | 155           | 43.1 | 268            |                     | 152.9                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 236            |                     | 165.1                   |             |          | 72            | 6.6           |                        |              |
| 5     | 100           | 27.8 | 380            | 2950                | 161.7                   | 220         | Y355M2   | 64            | 3.2           | Φ 235                  | 1145         |
|       | 155           | 43.1 | 335            |                     | 191.2                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 295            |                     | 206.4                   |             |          | 72            | 6.6           |                        |              |
| 6     | 100           | 27.8 | 456            | 2950                | 194                     | 280         | Y355L12  | 64            | 3.2           | Φ 235                  | 1435         |
|       | 155           | 43.1 | 402            |                     | 229.5                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 354            |                     | 247.7                   |             |          | 72            | 6.6           |                        |              |
| 7     | 100           | 27.8 | 532            | 2950                | 226.4                   | 315         | Y355L2-2 | 64            | 3.2           | Φ 235                  | 1558         |
|       | 155           | 43.1 | 469            |                     | 267.7                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 413            |                     | 288.9                   |             |          | 72            | 6.6           |                        |              |
| 8     | 100           | 27.8 | 608            | 2950                | 258.8                   | 355         | Y3552-2  | 64            | 3.2           | Φ 235                  | 1700         |
|       | 155           | 43.1 | 536            |                     | 305.9                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 472            |                     | 330.2                   |             |          | 72            | 6.6           |                        |              |
| 9     | 100           | 27.8 | 684            | 2950                | 291.1                   | 450         | Y4001-2  | 64            | 3.2           | Φ 235                  | 1860         |
|       | 155           | 43.1 | 603            |                     | 344.2                   |             |          | 74            | 5.0           |                        |              |
|       | 185           | 51.4 | 531            |                     | 371.5                   |             |          | 72            | 6.6           |                        |              |

SD/SDD/SDM/SMD/SDF/SDY280-65(200D65) TECHNICAL DATA

| MODEL | DELIVERY<br>Q |      | Head<br>H | Speed<br>n | Shaft power<br>Pa | Motor |         | Eff<br>η | (NPSH) <sub>r</sub> | Impeller<br>Dia. | Weight |
|-------|---------------|------|-----------|------------|-------------------|-------|---------|----------|---------------------|------------------|--------|
|       | m3/h          | L/S  |           |            |                   | m     | r/min   |          |                     |                  |        |
| 3     | 185           | 51.4 | 204       | 1480       | 180               | 280   | Y3555-4 | 57       | 2.0                 | Φ 430            | 1006   |
|       | 280           | 77.8 | 195       |            | 215               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 186       |            | 239               |       |         | 71       | 5.0                 |                  |        |
| 4     | 185           | 51.4 | 272       | 1480       | 240               | 355   | Y4001-4 | 57       | 2.0                 | Φ 430            | 1188   |
|       | 280           | 77.8 | 260       |            | 287               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 248       |            | 319               |       |         | 71       | 5.0                 |                  |        |
| 5     | 185           | 51.4 | 340       | 1480       | 300               | 450   | Y4003-4 | 57       | 2.0                 | Φ 430            | 1370   |
|       | 280           | 77.8 | 325       |            | 359               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 310       |            | 398               |       |         | 71       | 5.0                 |                  |        |
| 6     | 185           | 51.4 | 408       | 1480       | 361               | 500   | Y4004-4 | 57       | 2.0                 | Φ 430            | 1552   |
|       | 280           | 77.8 | 390       |            | 431               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 372       |            | 478               |       |         | 71       | 5.0                 |                  |        |
| 7     | 185           | 51.4 | 476       | 1480       | 421               | 630   | Y45014  | 57       | 2.0                 | Φ 430            | 1734   |
|       | 280           | 77.8 | 455       |            | 503               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 434       |            | 558               |       |         | 71       | 5.0                 |                  |        |
| 8     | 185           | 51.4 | 544       | 1480       | 481               | 710   | Y4502-4 | 57       | 2.0                 | Φ 430            | 1916   |
|       | 280           | 77.8 | 520       |            | 575               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 496       |            | 637               |       |         | 71       | 5.0                 |                  |        |
| 9     | 185           | 51.4 | 612       | 1480       | 541               | 800   | Y4503-4 | 57       | 2.0                 | Φ 430            | 2098   |
|       | 280           | 77.8 | 585       |            | 646               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 558       |            | 717               |       |         | 71       | 5.0                 |                  |        |
| 10    | 185           | 51.4 | 680       | 1480       | 601               | 900   | Y4504-4 | 57       | 2.0                 | Φ 430            | 2280   |
|       | 280           | 77.8 | 650       |            | 718               |       |         | 69       | 3.7                 |                  |        |
|       | 335           | 93.1 | 620       |            | 797               |       |         | 71       | 5.0                 |                  |        |



SD/SDD/SDM/SMD/SDF/SDY360-40 TECHNICAL

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor       |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|-------------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power<br>kW | Type     |            |               |                     |              |
|       |            |       |             |                  |                      |             |          |            |               |                     |              |
| 2     | 300        | 83.3  | 84          | 1480             | 89.1                 | 132         | Y315M1-4 | 77         | 4.65          | Φ 360               | 950          |
|       | 360        | 100   | 80          |                  | 98.1                 |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 71          |                  | 110.5                |             |          | 77         | 5.4           |                     |              |
| 3     | 300        | 83.3  | 126         | 1480             | 133.7                | 185         | Y315M1-4 | 77         | 4.65          | Φ 360               | 1150         |
|       | 360        | 100   | 120         |                  | 147.2                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 106.5       |                  | 165.8                |             |          | 77         | 5.4           |                     |              |
| 4     | 300        | 83.3  | 168         | 1480             | 178.2                | 250         | Y355M2-4 | 77         | 4.65          | Φ 360               | 1350         |
|       | 360        | 100   | 160         |                  | 196.2                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 142         |                  | 221.1                |             |          | 77         | 5.4           |                     |              |
| 5     | 300        | 83.3  | 210         | 1480             | 222.8                | 315         | Y355L2-4 | 77         | 4.65          | Φ 360               | 1550         |
|       | 360        | 100   | 200         |                  | 245.3                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 177.5       |                  | 276.3                |             |          | 77         | 5.4           |                     |              |
| 6     | 300        | 83.3  | 252         | 1480             | 257.4                | 400         | Y4002-4  | 77         | 4.65          | Φ 360               | 1750         |
|       | 360        | 100   | 240         |                  | 294.1                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 213         |                  | 331.5                |             |          | 77         | 5.4           |                     |              |
| 7     | 300        | 83.3  | 294         | 1480             | 311.9                | 450         | Y4003-4  | 77         | 4.65          | Φ 360               | 1950         |
|       | 360        | 100   | 280         |                  | 343.1                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 248.5       |                  | 386.7                |             |          | 77         | 5.4           |                     |              |
| 8     | 300        | 83.3  | 336         | 1480             | 356.5                | 500         | Y4004-4  | 77         | 4.65          | Φ 360               | 2150         |
|       | 360        | 100   | 320         |                  | 392.2                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 284         |                  | 441.9                |             |          | 77         | 5.4           |                     |              |
| 9     | 300        | 83.3  | 378         | 1480             | 401.1                | 560         | Y4005-4  | 77         | 4.65          | Φ 360               | 2350         |
|       | 360        | 100   | 360         |                  | 441.2                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 319.5       |                  | 497.2                |             |          | 77         | 5.4           |                     |              |
| 10    | 300        | 83.3  | 420         | 1480             | 445.6                | 630         | Y4501-4  | 77         | 4.65          | Φ 360               | 2550         |
|       | 360        | 100   | 400         |                  | 490.2                |             |          | 80         | 4.7           |                     |              |
|       | 440        | 122.2 | 355         |                  | 552.4                |             |          | 77         | 5.4           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY550-50 TECHNICAL

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor |         | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|-------|---------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power | Type    |            |               |                     |              |
|       |            |       |             |                  |                      | kW    |         |            |               |                     |              |
| 2     | 450        | 125   | 120         | 1480             | 188.5                | 250   | Y3554-4 | 78         | 5.2           | Φ 430               | 1800         |
|       | 550        | 152.7 | 100         |                  | 189.6                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 90          |                  | 192.7                |       |         | 75         | 6.5           |                     |              |
| 3     | 450        | 125   | 180         | 1480             | 282.8                | 355   | Y4001-4 | 78         | 5.2           | Φ 430               | 2100         |
|       | 550        | 152.7 | 150         |                  | 284.3                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 135         |                  | 289.1                |       |         | 75         | 6.5           |                     |              |
| 4     | 450        | 125   | 240         | 1480             | 376.9                | 450   | Y4003-4 | 78         | 5.2           | Φ 430               | 2400         |
|       | 550        | 152.7 | 200         |                  | 378.9                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 180         |                  | 385.4                |       |         | 75         | 6.5           |                     |              |
| 5     | 450        | 125   | 300         | 1480             | 471.3                | 560   | Y4005-4 | 78         | 5.2           | Φ 430               | 2700         |
|       | 550        | 152.7 | 250         |                  | 473.8                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 225         |                  | 481.8                |       |         | 75         | 6.5           |                     |              |
| 6     | 450        | 125   | 360         | 1480             | 565.5                | 710   | Y4502-4 | 78         | 5.2           | Φ 430               | 3000         |
|       | 550        | 152.7 | 300         |                  | 568.5                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 270         |                  | 578.1                |       |         | 75         | 6.5           |                     |              |
| 7     | 450        | 125   | 420         | 1480             | 659.8                | 800   | Y4503-4 | 78         | 5.2           | Φ 430               | 3300         |
|       | 550        | 152.7 | 350         |                  | 663.3                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 315         |                  | 674.5                |       |         | 75         | 6.5           |                     |              |
| 8     | 450        | 125   | 480         | 1480             | 754.0                | 900   | Y4504-4 | 78         | 5.2           | Φ 430               | 3600         |
|       | 550        | 152.7 | 400         |                  | 758.0                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 360         |                  | 770.8                |       |         | 75         | 6.5           |                     |              |
| 9     | 450        | 125   | 540         | 1480             | 848.3                | 1000  | Y5001-4 | 78         | 5.2           | Φ 430               | 3900         |
|       | 550        | 152.7 | 450         |                  | 852.8                |       |         | 79         | 5.8           |                     |              |
|       | 590        | 163.9 | 405         |                  | 867.2                |       |         | 75         | 6.5           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY450-60(250D60) TECHNICAL DATA

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor |         | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|-------|---------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power | Type    |            |               |                     |              |
|       |            |       |             |                  |                      | kW    |         |            |               |                     |              |
| 2     | 335        | 93.1  | 130         | 1480             | 164.7                | 250   | Y3554-4 | 72         | 4.1           | Φ 430               | 1500         |
|       | 450        | 125   | 120         |                  | 186.1                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 113         |                  | 197.3                |       |         | 78         | 6.3           |                     |              |
| 3     | 335        | 93.1  | 195         | 1480             | 247.1                | 355   | Y4001-4 | 72         | 4.1           | Φ 430               | 1750         |
|       | 450        | 125   | 180         |                  | 279.2                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 171         |                  | 296.0                |       |         | 78         | 6.3           |                     |              |
| 4     | 335        | 93.1  | 260         | 1480             | 329.5                | 450   | Y4003-4 | 72         | 4.1           | Φ 430               | 2000         |
|       | 450        | 125   | 240         |                  | 372.2                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 228         |                  | 394.7                |       |         | 78         | 6.3           |                     |              |
| 5     | 335        | 93.1  | 325         | 1480             | 411.8                | 560   | Y4005-4 | 72         | 4.1           | Φ 430               | 2250         |
|       | 450        | 125   | 300         |                  | 465.4                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 285         |                  | 493.4                |       |         | 78         | 6.3           |                     |              |
| 6     | 335        | 93.1  | 390         | 1480             | 494.2                | 710   | Y4502-4 | 72         | 4.1           | Φ 430               | 2500         |
|       | 450        | 125   | 360         |                  | 558.3                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 342         |                  | 592.0                |       |         | 78         | 6.3           |                     |              |
| 7     | 335        | 93.1  | 455         | 1480             | 576.5                | 800   | Y4503-4 | 72         | 4.1           | Φ 430               | 2750         |
|       | 450        | 125   | 420         |                  | 651.5                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 399         |                  | 690.7                |       |         | 78         | 6.3           |                     |              |
| 8     | 335        | 93.1  | 520         | 1480             | 658.9                | 900   | Y4504-4 | 72         | 4.1           | Φ 430               | 3000         |
|       | 450        | 125   | 480         |                  | 744.4                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 456         |                  | 789.4                |       |         | 78         | 6.3           |                     |              |
| 9     | 335        | 93.1  | 585         | 1480             | 741.2                | 1000  | Y5001-4 | 72         | 4.1           | Φ 430               | 3250         |
|       | 450        | 125   | 540         |                  | 837.5                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 513         |                  | 888.0                |       |         | 78         | 6.3           |                     |              |
| 10    | 335        | 93.1  | 650         | 1480             | 823.6                | 1120  | Y5002-4 | 72         | 4.1           | Φ 430               | 3500         |
|       | 450        | 125   | 600         |                  | 930.8                |       |         | 79         | 5.2           |                     |              |
|       | 500        | 138.9 | 570         |                  | 995.1                |       |         | 78         | 6.3           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY580-70 TECHNICAL

| MODEL | DELIVERY Q |       | Head H | Speed n | Shaft power Pa | Motor |         | Eff η | (NPSH) r | Impeller Dia. | Weight |    |      |
|-------|------------|-------|--------|---------|----------------|-------|---------|-------|----------|---------------|--------|----|------|
|       | m3/h       | L/S   |        |         |                | m     | r/min   |       |          |               |        | kW | Type |
|       |            |       |        |         |                |       |         |       |          |               |        |    |      |
|       | m3/h       | L/S   | m      | r/min   | kW             | kW    |         | %     | m        | mm            | kg     |    |      |
| 3     | 500        | 138.9 | 219.6  | 1480    | 399            | 560   | Y4005-4 | 75    | 4.4      | Φ 473         | 1950   |    |      |
|       | 580        | 161.1 | 210    |         | 425            |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 192    |         | 470            |       |         | 80    | 8.2      |               |        |    |      |
| 4     | 500        | 138.9 | 292.8  | 1480    | 532            | 710   | Y4502-4 | 75    | 4.4      | Φ 473         | 2260   |    |      |
|       | 580        | 161.1 | 280    |         | 567            |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 256    |         | 627            |       |         | 80    | 8.2      |               |        |    |      |
| 5     | 500        | 138.9 | 366    | 1480    | 665            | 900   | Y4504-4 | 75    | 4.4      | Φ 473         | 2570   |    |      |
|       | 580        | 161.1 | 350    |         | 709            |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 320    |         | 784            |       |         | 80    | 8.2      |               |        |    |      |
| 6     | 500        | 138.9 | 439.2  | 1480    | 797            | 1120  | Y5002-4 | 75    | 4.4      | Φ 473         | 2880   |    |      |
|       | 580        | 161.1 | 420    |         | 851            |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 384    |         | 941            |       |         | 80    | 8.2      |               |        |    |      |
| 7     | 500        | 138.9 | 512.4  | 1480    | 930            | 1250  | Y5003-4 | 75    | 4.4      | Φ 473         | 3190   |    |      |
|       | 580        | 161.1 | 490    |         | 992            |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 448    |         | 1098           |       |         | 80    | 8.2      |               |        |    |      |
| 8     | 500        | 138.9 | 585.6  | 1480    | 1063           | 1400  | Y5004-4 | 75    | 4.4      | Φ 473         | 3500   |    |      |
|       | 580        | 161.1 | 560    |         | 1 134          |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 512    |         | 1255           |       |         | 80    | 8.2      |               |        |    |      |
| 9     | 500        | 138.9 | 658.8  | 1480    | 1 196          | 1600  | Y5601-4 | 75    | 4.4      | Φ 473         | 3810   |    |      |
|       | 580        | 161.1 | 630    |         | 1276           |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 576    |         | 1412           |       |         | 80    | 8.2      |               |        |    |      |
| 10    | 500        | 138.9 | 732    | 1480    | 1329           | 1800  | Y5062-4 | 75    | 4.4      | Φ 473         | 4120   |    |      |
|       | 580        | 161.1 | 700    |         | 1418           |       |         | 78    | 5.2      |               |        |    |      |
|       | 720        | 200   | 640    |         | 1569           |       |         | 80    | 8.2      |               |        |    |      |



SD/SDD/SDM/SMD/SDF/SDY600-60 TECHNICAL

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |         | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|----------|---------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power kW | Type    |            |               |                     |              |
| 3     | 450        | 125   | 195         | 1480             | 321.6                | 450      | Y4003-4 | 79         | 4.5           | Φ 455               | 2300         |
|       | 600        | 166.6 | 180         |                  | 358.2                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 165         |                  | 362.4                |          |         | 79         | 6.8           |                     |              |
| 4     | 450        | 125   | 260         | 1480             | 428.8                | 560      | Y4005-4 | 79         | 4.5           | Φ 455               | 2650         |
|       | 600        | 166.6 | 240         |                  | 477.6                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 220         |                  | 483.2                |          |         | 79         | 6.8           |                     |              |
| 5     | 450        | 125   | 325         | 1480             | 536                  | 710      | Y4502-4 | 79         | 4.5           | Φ 455               | 3000         |
|       | 600        | 166.6 | 300         |                  | 597                  |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 275         |                  | 604                  |          |         | 79         | 6.8           |                     |              |
| 6     | 450        | 125   | 390         | 1480             | 643.2                | 800      | Y4503-4 | 79         | 4.5           | Φ 455               | 3350         |
|       | 600        | 166.6 | 360         |                  | 716.4                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 330         |                  | 724.8                |          |         | 79         | 6.8           |                     |              |
| 7     | 450        | 125   | 455         | 1480             | 750.4                | 900      | Y4504-4 | 79         | 4.5           | Φ 455               | 3700         |
|       | 600        | 166.6 | 420         |                  | 835.8                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 385         |                  | 845.6                |          |         | 79         | 6.8           |                     |              |
| 8     | 450        | 125   | 520         | 1480             | 857.6                | 1120     | Y5002-4 | 79         | 4.5           | Φ 455               | 4050         |
|       | 600        | 166.6 | 480         |                  | 955.2                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 440         |                  | 966.4                |          |         | 79         | 6.8           |                     |              |
| 9     | 450        | 125   | 585         | 1480             | 964.8                | 1250     | Y5003-4 | 79         | 4.5           | Φ 455               | 4400         |
|       | 600        | 166.6 | 540         |                  | 1074.6               |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 495         |                  | 1087.2               |          |         | 79         | 6.8           |                     |              |
| 10    | 450        | 125   | 650         | 1480             | 1072                 | 1400     | Y5004-4 | 79         | 4.5           | Φ 455               | 4750         |
|       | 600        | 166.6 | 600         |                  | 1 194                |          |         | 82         | 6             |                     |              |
|       | 638        | 177.2 | 550         |                  | 1208                 |          |         | 79         | 6.8           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY740-80 TECHNICAL DATA

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |         | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|----------|---------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power kW | Type    |            |               |                     |              |
| 2     | 640        | 168.4 | 168.4       | 1480             | 378.5                | 500      | Y4004-4 | 77.5       | 5.8           | Φ 493               | 2150         |
|       | 740        | 160   | 160         |                  | 411.2                |          |         | 78.4       | 6.2           |                     |              |
|       | 840        | 146.6 | 146.6       |                  | 433.6                |          |         | 77.3       | 6.5           |                     |              |
| 3     | 640        | 168.4 | 252.6       | 1480             | 567.9                | 710      | Y4502-4 | 77.5       | 5.8           | Φ 493               | 2500         |
|       | 740        | 160   | 240         |                  | 616.8                |          |         | 78.4       | 6.2           |                     |              |
|       | 840        | 146.6 | 219.9       |                  | 650.4                |          |         | 77.3       | 6.5           |                     |              |
| 4     | 640        | 168.4 | 336.8       | 1480             | 757.2                | 1000     | Y5001-4 | 77.5       | 5.8           | Φ 493               | 2850         |
|       | 740        | 160   | 320         |                  | 822.4                |          |         | 78.4       | 6.2           |                     |              |
|       | 840        | 146.6 | 293.2       |                  | 867.2                |          |         | 77.3       | 6.5           |                     |              |
| 5     | 640        | 168.4 | 421         | 1480             | 946.5                | 1250     | Y5003-4 | 77.5       | 5.8           | Φ 493               | 3200         |
|       | 740        | 160   | 400         |                  | 1028                 |          |         | 78.4       | 6.2           |                     |              |
|       | 840        | 146.6 | 366.5       |                  | 1084                 |          |         | 77.3       | 6.5           |                     |              |
| 6     | 640        | 168.4 | 505.2       | 1480             | 1135.8               | 1600     | Y5601-4 | 77.5       | 5.8           | Φ 493               | 3550         |
|       | 740        | 160   | 480         |                  | 1233.6               |          |         | 78.4       | 6.2           |                     |              |
|       | 840        | 146.6 | 439.8       |                  | 1300.8               |          |         | 77.3       | 6.5           |                     |              |

SD/SDD/SDM/SMD/SDF/SDY720-60 TECHNICAL DATA

| MODEL | DELIVERY Q |       | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |         | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-------|-------------|------------------|----------------------|----------|---------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S   |             |                  |                      | power kW | Type    |            |               |                     |              |
| 2     | 550        | 152.8 | 132         | 1480             | 263.6                | 400      | Y4002-4 | 75         | 3.5           | Φ 450               | 1830         |
|       | 720        | 200   | 120         |                  | 286.9                |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 114         |                  | 329.9                |          |         | 80         | 5.5           |                     |              |
| 3     | 550        | 152.8 | 198         | 1480             | 310.59               | 560      | Y4005-4 | 75         | 3.5           | Φ 450               | 2040         |
|       | 720        | 200   | 180         |                  | 430.42               |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 171         |                  | 502.94               |          |         | 80         | 5.5           |                     |              |
| 4     | 550        | 152.8 | 264         | 1480             | 414.12               | 710      | Y4502-4 | 75         | 3.5           | Φ 450               | 2350         |
|       | 720        | 200   | 240         |                  | 573.89               |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 228         |                  | 670.59               |          |         | 80         | 5.5           |                     |              |
| 5     | 550        | 152.8 | 330         | 1480             | 517.65               | 900      | Y4504-4 | 75         | 3.5           | Φ 450               | 2650         |
|       | 720        | 200   | 300         |                  | 717.36               |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 285         |                  | 838.24               |          |         | 80         | 5.5           |                     |              |
| 6     | 550        | 152.8 | 396         | 1480             | 621.18               | 1120     | Y5002-4 | 75         | 3.5           | Φ 450               | 2950         |
|       | 720        | 200   | 360         |                  | 860.83               |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 342         |                  | 1005.88              |          |         | 80         | 5.5           |                     |              |
| 7     | 550        | 152.8 | 462         | 1480             | 724.71               | 1250     | Y5003-4 | 75         | 3.5           | Φ 450               | 3280         |
|       | 720        | 200   | 420         |                  | 1004.3               |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 399         |                  | 1 173.53             |          |         | 80         | 5.5           |                     |              |
| 8     | 550        | 152.8 | 528         | 1480             | 828.24               | 1400     | Y5004-4 | 75         | 3.5           | Φ 450               | 3595         |
|       | 720        | 200   | 480         |                  | 1 147.78             |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 456         |                  | 1341.18              |          |         | 80         | 5.5           |                     |              |
| 9     | 550        | 152.8 | 594         | 1480             | 931.76               | 1600     | Y5601-4 | 75         | 3.5           | Φ 450               | 3900         |
|       | 720        | 200   | 540         |                  | 1291.25              |          |         | 82         | 4.5           |                     |              |
|       | 850        | 236.1 | 513         |                  | 1508.82              |          |         | 80         | 5.5           |                     |              |

80SD/SDD/SDM/SMD/SDF/SDY12 TECHNICAL DATA

| MODEL | DELIVERY Q |     | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-----|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 21.6       | 6.0 | 28.8        | 2950             | 2.46                 | 4        | Y112M2   | 69         | 3.2           | Φ 110               | 132          |
|       | 34.6       | 9.6 | 22.8        |                  | 2.84                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 19.0        |                  | 2.82                 |          |          | 72         | 3.4           |                     |              |
| 3     | 21.6       | 6.0 | 43.2        | 2950             | 3.69                 | 5.5      | Y132S1-2 | 69         | 3.2           | Φ 110               | 139          |
|       | 34.6       | 9.6 | 34.2        |                  | 4.26                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 28.5        |                  | 4.23                 |          |          | 72         | 3.4           |                     |              |
| 4     | 21.6       | 6.0 | 57.6        | 2950             | 4.92                 | 7.5      | Y132S2-2 | 69         | 3.2           | Φ 110               | 146          |
|       | 34.6       | 9.6 | 45.6        |                  | 5.69                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 38.0        |                  | 5.64                 |          |          | 72         | 3.4           |                     |              |
| 5     | 21.6       | 6.0 | 72.0        | 2950             | 6.15                 | 11       | Y160M1-2 | 69         | 3.2           | Φ 110               | 153          |
|       | 34.6       | 9.6 | 57.0        |                  | 7.10                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 47.5        |                  | 7.05                 |          |          | 72         | 3.4           |                     |              |
| 6     | 21.6       | 6.0 | 86.4        | 2950             | 7.38                 | 11       | Y160M1-2 | 69         | 3.2           | Φ 110               | 160          |
|       | 34.6       | 9.6 | 68.4        |                  | 8.52                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 57.0        |                  | 8.46                 |          |          | 72         | 3.4           |                     |              |
| 7     | 21.6       | 6.0 | 100.8       | 2950             | 8.61                 | 15       | Y160M2-2 | 69         | 3.2           | Φ 110               | 167          |
|       | 34.6       | 9.6 | 79.8        |                  | 9.94                 |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 66.5        |                  | 9.87                 |          |          | 72         | 3.4           |                     |              |
| 8     | 21.6       | 6.0 | 115.2       | 2950             | 9.84                 | 15       | Y160M2-2 | 69         | 3.2           | Φ 110               | 174          |
|       | 34.6       | 9.6 | 91.2        |                  | 11.36                |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 76.0        |                  | 11.28                |          |          | 72         | 3.4           |                     |              |
| 9     | 21.6       | 6.0 | 129.6       | 2950             | 11.07                | 18.5     | Y160L-2  | 69         | 3.2           | Φ 110               | 181          |
|       | 34.6       | 9.6 | 102.6       |                  | 12.78                |          |          | 75         | 3.3           |                     |              |
|       | 39.6       | 11  | 85.5        |                  | 12.69                |          |          | 72         | 3.4           |                     |              |



100SD/SDD/SDM/SMD/SDF/SDY16 TECHNICAL DATA

| MODEL | DELIVERY Q |     | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-----|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 36         | 10  | 40          | 2950             | 5.94                 | 7.5      | Y132S2-2 | 66         | 3.7           | Φ 128               | 165          |
|       | 54         | 15  | 32          |                  | 6.44                 |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 22          |                  | 6.53                 |          |          | 66         | 4.3           |                     |              |
| 3     | 36         | 10  | 60          | 2950             | 8.91                 | 15       | Y160M2-2 | 66         | 3.7           | Φ 128               | 177          |
|       | 54         | 15  | 48          |                  | 9.67                 |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 34          |                  | 9.80                 |          |          | 66         | 4.3           |                     |              |
| 4     | 36         | 10  | 80          | 2950             | 11.88                | 18.5     | Y160L-2  | 66         | 3.7           | Φ 128               | 186          |
|       | 54         | 15  | 64          |                  | 12.89                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 45          |                  | 13.07                |          |          | 66         | 4.3           |                     |              |
| 5     | 36         | 10  | 100         | 2950             | 14.85                | 22       | Y180M-2  | 66         | 3.7           | Φ 128               | 195          |
|       | 54         | 15  | 80          |                  | 16.11                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 56          |                  | 16.33                |          |          | 66         | 4.3           |                     |              |
| 6     | 36         | 10  | 120         | 2950             | 17.82                | 22       | Y180M-2  | 66         | 3.7           | Φ 128               | 204          |
|       | 54         | 15  | 96          |                  | 19.33                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 67          |                  | 19.60                |          |          | 66         | 4.3           |                     |              |
| 7     | 36         | 10  | 140         | 2950             | 20.79                | 30       | Y200L1-2 | 66         | 3.7           | Φ 128               | 213          |
|       | 54         | 15  | 112         |                  | 22.55                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 78          |                  | 22.87                |          |          | 66         | 4.3           |                     |              |
| 8     | 36         | 10  | 160         | 2950             | 23.76                | 30       | Y200L1-2 | 66         | 3.7           | Φ 128               | 222          |
|       | 54         | 15  | 128         |                  | 25.78                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 90          |                  | 26.13                |          |          | 66         | 4.3           |                     |              |
| 9     | 36         | 10  | 180         | 2950             | 26.73                | 37       | Y200L2-2 | 66         | 3.7           | Φ 128               | 230          |
|       | 54         | 15  | 144         |                  | 29.00                |          |          | 73         | 3.9           |                     |              |
|       | 72         | 20  | 101         |                  | 29.40                |          |          | 66         | 4.3           |                     |              |

DG25-80 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|------|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S  |             |                  |                      | power kW | Type     |            |               |                     |              |
| 6     | 17.4       | 4.83 | 506         | 2950             | 57.91                | 90       | Y280M-2  | 41.4       | 3.1           | Φ 260               | 832          |
|       | 25         | 6.94 | 476         |                  | 67.51                |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 454         |                  | 69.47                |          |          | 51.8       | 3.8           |                     |              |
| 7     | 17.4       | 4.83 | 590         | 2950             | 67.53                | 90       | Y280M-2  | 41.4       | 3.1           | Φ 260               | 895          |
|       | 25         | 6.94 | 556         |                  | 78.86                |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 530         |                  | 81.1                 |          |          | 51.8       | 3.8           |                     |              |
| 8     | 17.4       | 4.83 | 675         | 2950             | 77.25                | 110      | Y315S-2  | 41.4       | 3.1           | Φ 260               | 958          |
|       | 25         | 6.94 | 635         |                  | 90.07                |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 605         |                  | 92.58                |          |          | 51.8       | 3.8           |                     |              |
| 9     | 17.4       | 4.83 | 760         | 2950             | 86.98                | 132      | Y315M-2  | 41.4       | 3.1           | Φ 260               | 1021         |
|       | 25         | 6.94 | 715         |                  | 101.41               |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 681         |                  | 104.21               |          |          | 51.8       | 3.8           |                     |              |
| 10    | 17.4       | 4.83 | 844         | 2950             | 96.6                 | 132      | Y315M-2  | 41.4       | 3.1           | Φ 260               | 1084         |
|       | 25         | 6.94 | 795         |                  | 112.76               |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 757         |                  | 115.84               |          |          | 51.8       | 3.8           |                     |              |
| 11    | 17.4       | 4.83 | 928         | 2950             | 106.21               | 160      | Y315L1-2 | 41.4       | 3.1           | Φ 260               | 1147         |
|       | 25         | 6.94 | 875         |                  | 124.11               |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 833         |                  | 127.47               |          |          | 51.8       | 3.8           |                     |              |
| 12    | 17.4       | 4.83 | 1013        | 2950             | 115.94               | 160      | Y315L1-2 | 41.4       | 3.1           | Φ 260               | 1210         |
|       | 25         | 6.94 | 954         |                  | 135.31               |          |          | 48         | 3.3           |                     |              |
|       | 29.1       | 8.08 | 908         |                  | 138.94               |          |          | 51.8       | 3.8           |                     |              |

125SD/SDD/SDM/SMD/SDF/SDY25 TECHNICAL DATA

| MODEL | DELIVERY Q |     | Head H<br>m | Speed n<br>r/min | Shaft power Pa<br>kW | Motor    |          | Eff η<br>% | (NPSH) r<br>m | Impeller Dia.<br>mm | Weight<br>kg |
|-------|------------|-----|-------------|------------------|----------------------|----------|----------|------------|---------------|---------------------|--------------|
|       | m3/h       | L/S |             |                  |                      | power kW | Type     |            |               |                     |              |
| 2     | 72         | 20  | 51.2        | 2950             | 14.20                | 22       | Y180M-2  | 70.5       | 3.2           | Φ 156               | 261          |
|       | 101        | 28  | 43.0        |                  | 15.20                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 35.0        |                  | 15.30                |          |          | 77.0       | 4.3           |                     |              |
| 3     | 72         | 20  | 76.8        | 2950             | 21.30                | 30       | Y200L1-2 | 70.5       | 3.2           | Φ 156               | 298          |
|       | 101        | 28  | 64.5        |                  | 22.80                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 52.5        |                  | 22.90                |          |          | 77.0       | 4.3           |                     |              |
| 4     | 72         | 20  | 102.4       | 2950             | 28.40                | 37       | Y200L2-2 | 70.5       | 3.2           | Φ 156               | 335          |
|       | 101        | 28  | 86.0        |                  | 30.40                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 70.0        |                  | 30.60                |          |          | 77.0       | 4.3           |                     |              |
| 5     | 72         | 20  | 128.0       | 2950             | 35.50                | 45       | Y225M-2  | 70.5       | 3.2           | Φ 156               | 372          |
|       | 101        | 28  | 107.5       |                  | 38.00                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 87.5        |                  | 38.25                |          |          | 77.0       | 4.3           |                     |              |
| 6     | 72         | 20  | 153.6       | 2950             | 42.60                | 55       | Y250M-2  | 70.5       | 3.2           | Φ 156               | 409          |
|       | 101        | 28  | 129.0       |                  | 45.60                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 105.0       |                  | 45.90                |          |          | 77.0       | 4.3           |                     |              |
| 7     | 72         | 20  | 179.2       | 2950             | 49.70                | 75       | Y280S-2  | 70.5       | 3.2           | Φ 156               | 446          |
|       | 101        | 28  | 150.5       |                  | 53.20                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 122.5       |                  | 53.55                |          |          | 77.0       | 4.3           |                     |              |
| 8     | 72         | 20  | 204.8       | 2950             | 56.80                | 75       | Y280S-2  | 70.5       | 3.2           | Φ 156               | 483          |
|       | 101        | 28  | 172.0       |                  | 60.80                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 140.0       |                  | 61.20                |          |          | 77.0       | 4.3           |                     |              |
| 9     | 72         | 20  | 230.4       | 2950             | 63.90                | 90       | Y280M-2  | 70.5       | 3.2           | Φ 156               | 520          |
|       | 101        | 28  | 193.5       |                  | 68.40                |          |          | 77.5       | 3.6           |                     |              |
|       | 119        | 33  | 157.5       |                  | 68.85                |          |          | 77.0       | 4.3           |                     |              |

DG45-80 TECHNICAL DATA

| MODEL | DELIVERY<br>Q |      | Head<br>H<br>m | Speed<br>n<br>r/min | Shaft power<br>Pa<br>kW | Motor       |          | Eff<br>η<br>% | (NPSH)<br>r<br>m | Impeller<br>Dia.<br>mm | Weight<br>kg |
|-------|---------------|------|----------------|---------------------|-------------------------|-------------|----------|---------------|------------------|------------------------|--------------|
|       | m3/h          | L/S  |                |                     |                         | power<br>kW | Type     |               |                  |                        |              |
|       |               |      |                |                     |                         |             |          |               |                  |                        |              |
| 6     | 36            | 10   | 502            | 2950                | 98.4                    | 160         | Y315L1-2 | 50            | 3.9              | Φ 260                  | 915          |
|       | 45            | 12.5 | 480            |                     | 107                     |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 409            |                     | 123.3                   |             |          | 56            | 5.5              |                        |              |
| 7     | 36            | 10   | 585.6          | 2950                | 114.8                   | 160         | Y315L1-2 | 50            | 3.9              | Φ 260                  | 983          |
|       | 45            | 12.5 | 560            |                     | 124.8                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 477.2          |                     | 143.9                   |             |          | 56            | 5.5              |                        |              |
| 8     | 36            | 10   | 669.2          | 2950                | 131.2                   | 200         | Y315L2-2 | 50            | 3.9              | Φ 260                  | 1087         |
|       | 45            | 12.5 | 640            |                     | 142.6                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 545.4          |                     | 164.4                   |             |          | 56            | 5.5              |                        |              |
| 9     | 36            | 10   | 752.8          | 2950                | 147.6                   | 220         | Y355M1-2 | 50            | 3.9              | Φ 260                  | 1155         |
|       | 45            | 12.5 | 720            |                     | 160.4                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 613.6          |                     | 186                     |             |          | 56            | 5.5              |                        |              |
| 10    | 36            | 10   | 836.4          | 2950                | 164                     | 220         | Y355M1-2 | 50            | 3.9              | Φ 260                  | 1276         |
|       | 45            | 12.5 | 800            |                     | 178.3                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 681.8          |                     | 205.3                   |             |          | 56            | 5.5              |                        |              |
| 11    | 36            | 10   | 920            | 2950                | 180.4                   | 250         | Y355M2-2 | 50            | 3.9              | Φ 260                  | 1344         |
|       | 45            | 12.5 | 880            |                     | 196.1                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 750            |                     | 225.9                   |             |          | 56            | 5.5              |                        |              |
| 12    | 36            | 10   | 1003.6         | 2950                | 196.8                   | 280         | Y355L1-2 | 50            | 3.9              | Φ 260                  | 1413         |
|       | 45            | 12.5 | 960            |                     | 213.9                   |             |          | 55            | 4.0              |                        |              |
|       | 62            | 17.2 | 818.2          |                     | 246.7                   |             |          | 56            | 5.5              |                        |              |



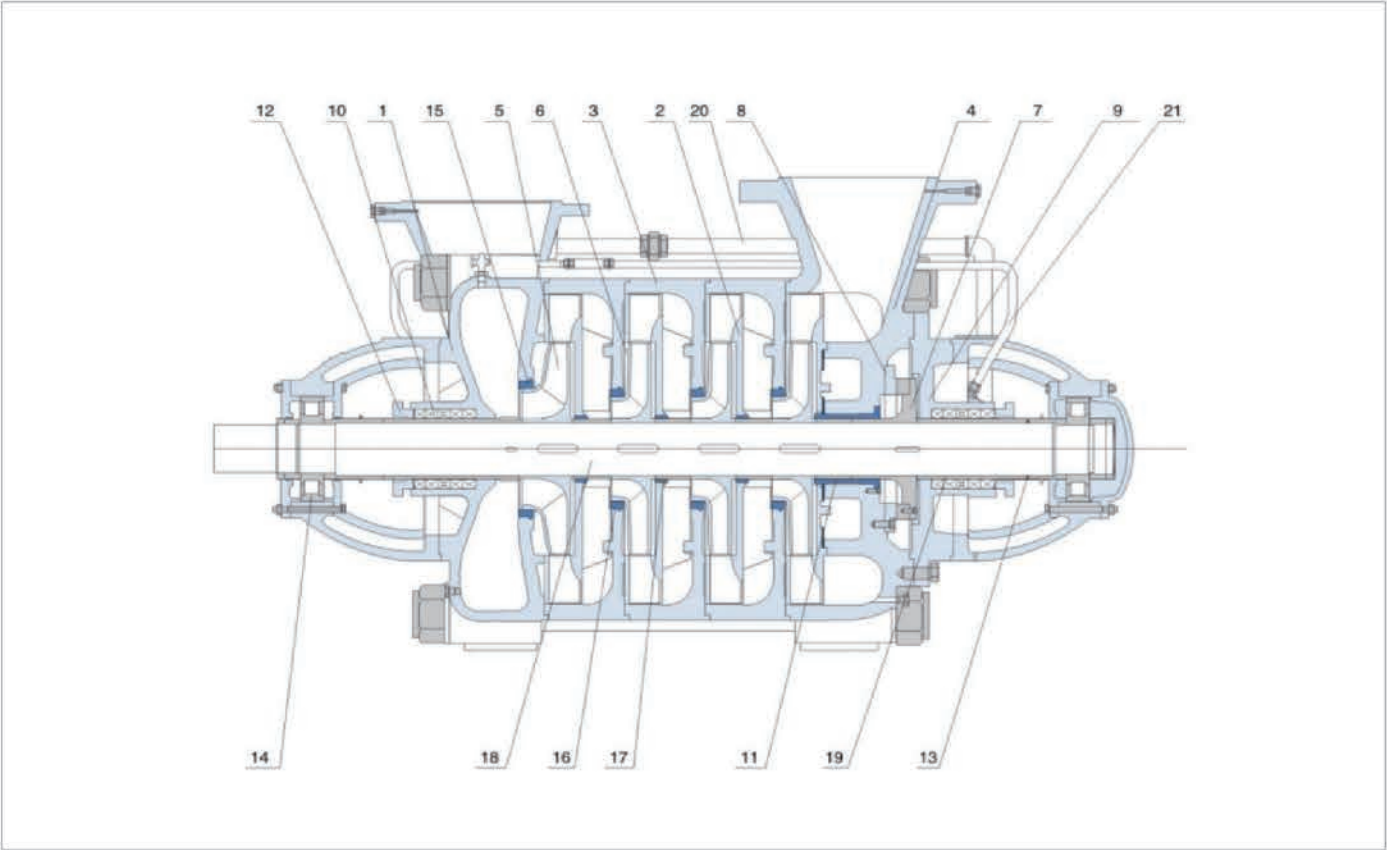
DG85-80 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H | Speed n | Shaft power Pa | Motor    |          | Eff η | (NPSH) r | Impeller Dia. | Weight |
|-------|------------|------|--------|---------|----------------|----------|----------|-------|----------|---------------|--------|
|       | m3/h       | L/S  |        |         |                | power kW | Type     |       |          |               |        |
| 7     | 54         | 15   | 616    | 2950    | 170.9          | 250      | Y355M2-2 | 53    | 3.5      | Φ 250         | 1567   |
|       | 85         | 23   | 560    |         | 199.3          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 490    |         | 218.4          |          |          | 66    | 5.3      |               |        |
| 8     | 54         | 15   | 704    | 2950    | 195.3          | 280      | Y355L1-2 | 53    | 3.5      | Φ 250         | 1640   |
|       | 85         | 23   | 640    |         | 227.8          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 560    |         | 249.6          |          |          | 66    | 5.3      |               |        |
| 9     | 54         | 15   | 792    | 2950    | 219.8          | 355      | Y3555-2  | 53    | 3.5      | Φ 250         | 1713   |
|       | 85         | 23   | 720    |         | 256.3          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 630    |         | 280.7          |          |          | 66    | 5.3      |               |        |
| 10    | 54         | 15   | 880    | 2950    | 244.2          | 355      | Y3555-2  | 53    | 3.5      | Φ 250         | 1786   |
|       | 85         | 23   | 800    |         | 284.8          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 700    |         | 311.9          |          |          | 66    | 5.3      |               |        |
| 11    | 54         | 15   | 968    | 2950    | 268.6          | 400      | Y3556-2  | 53    | 3.5      | Φ 250         | 1859   |
|       | 85         | 23   | 880    |         | 313.2          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 770    |         | 343            |          |          | 66    | 5.3      |               |        |
| 12    | 54         | 15   | 1056   | 2950    | 293            | 450      | Y4001-1  | 53    | 3.5      | Φ 250         | 1932   |
|       | 85         | 23   | 960    |         | 341.7          |          |          | 65    | 4.5      |               |        |
|       | 108        | 30.0 | 840    |         | 374.3          |          |          | 66    | 5.3      |               |        |

DG150-100 TECHNICAL DATA

| MODEL | DELIVERY Q |      | Head H | Speed n | Shaft power Pa | Motor    |         | Eff η | (NPSH) r | Impeller Dia. | Weight |
|-------|------------|------|--------|---------|----------------|----------|---------|-------|----------|---------------|--------|
|       | m3/h       | L/S  |        |         |                | power kW | Type    |       |          |               |        |
| 6     | 120        | 33.3 | 630    | 2950    | 307            | 400      | Y3556-2 | 67    | 3.4      | Φ 275         | 2735   |
|       | 150        | 41.7 | 591    |         | 345            |          |         | 70    | 4.8      |               |        |
|       | 180        | 50   | 540    |         | 368            |          |         | 72    | 5.5      |               |        |
| 7     | 120        | 33.3 | 630    | 2950    | 359            | 450      | Y4001-2 | 67    | 3.4      | Φ 275         | 2885   |
|       | 150        | 41.7 | 591    |         | 403            |          |         | 70    | 4.8      |               |        |
|       | 180        | 50   | 540    |         | 429            |          |         | 72    | 5.5      |               |        |
| 8     | 120        | 33.3 | 630    | 2950    | 410            | 560      | Y4003-2 | 67    | 3.4      | Φ 275         | 3035   |
|       | 150        | 41.7 | 591    |         | 460            |          |         | 70    | 4.8      |               |        |
|       | 180        | 50   | 540    |         | 491            |          |         | 72    | 5.5      |               |        |
| 9     | 120        | 33.3 | 630    | 2950    | 461            | 630      | Y4004-2 | 67    | 3.4      | Φ 275         | 3185   |
|       | 150        | 41.7 | 591    |         | 518            |          |         | 70    | 4.8      |               |        |
|       | 180        | 50   | 540    |         | 552            |          |         | 72    | 5.5      |               |        |
| 10    | 120        | 33.3 | 630    | 2950    | 512            | 710      | Y45012  | 67    | 3.4      | Φ 275         | 3335   |
|       | 150        | 41.7 | 591    |         | 575            |          |         | 70    | 4.8      |               |        |
|       | 180        | 50   | 540    |         | 613            |          |         | 72    | 5.5      |               |        |

STRUCTURE DESCRIPTION



| No. | Description             |
|-----|-------------------------|
| 1   | Sectional Arrangement   |
| 2   | Diffuser                |
| 3   | Stage Casing            |
| 4   | Delivery Casing         |
| 5   | Impeller Of First-stage |
| 6   | Impeller                |
| 7   | Balance Disc            |

| No. | Description          |
|-----|----------------------|
| 8   | Balance Ring         |
| 9   | Stuffing Box Housing |
| 10  | Packing              |
| 11  | Balance Sleeve       |
| 12  | Packing Gland        |
| 13  | O-ring               |
| 14  | Bearing              |

| No. | Description                 |
|-----|-----------------------------|
| 15  | Wearing Ring Of First-stage |
| 16  | Wearing Ring                |
| 17  | Diffuser Bush               |
| 18  | Shaft                       |
| 19  | Shaft Sleeve                |
| 20  | Balance Water Piping        |
| 21  | Water Seal Piping           |

DESCRIPTION OF SELECTING PUMP

- ◆ Pump performance see sheet of Performance Data. The data in sheet is test performance at 1atmosphere& normal temperature & clean water, when the medium is high viscosity, the performance should be transformed.
- ◆ The pump type, data, and gravity, temperature, viscosity corrosive feature etc. must be stated in the order.
- ◆ If the required data is different from the data in sheet of Performance Data, our company also can design according to your requirements.

MATERIAL DESCRIPTION

| Part Name        | D       | MD            | DF                                 |
|------------------|---------|---------------|------------------------------------|
| Suction casing   | HT250   | ZGCr17M02-CUR | Cast steel or cast stainless steel |
| Stage casing     | HT250   | ZGCr17Mo2-CuR | Cast steel or cast stainless steel |
| Discharge casing | HT250   | ZGCr17M02-CUR | Cast steel or cast stainless steel |
| Impeller         | HT250   | KmTbCr15Mo3   | Cast steel or cast stainless steel |
| Diffuser         | HT250   | KmTbCr15Mo3   | Cr steel                           |
| Shaft            | 45      | 45            | Cast steel or cast stainless steel |
| Balance disc     | ZQA19-4 | ZGCr17M02-CUR | Cast steel or cast stainless steel |

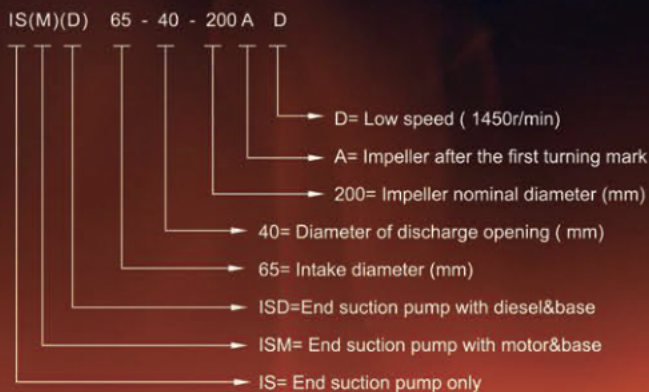
Note: the material can be provided according to user 's requirements



## IS/ ISD/ ISM END SUCTION PUMP (PACKING SEAL)

### MODEL CODE

#### FOR EXAMPLE



Note: The impeller form consists of such five kinds as O, A, B, C and Z, respectively standing for:  
O= Impeller prototype  
A= Impeller OD cut for the first time  
B= Impeller OD cut for the second time  
C= Impeller OD cut for the third time  
Z= Increased impeller OD

### TECHNICAL SHEET

|            |                                    |
|------------|------------------------------------|
| Model      | IS(M)(D)                           |
| Capacity   | 0-1200m³/h                         |
| Head       | 0-273m                             |
| DN         | 125-400mm                          |
| Speed      | 2900/ 1450rpm                      |
| T max      | 120°C                              |
| Power      | 0.55-280kW                         |
| Casing     | Grey cast iron                     |
| Impeller   | Cast iron/AISI 304/Brass           |
| Shaft      | 45# steel/AISI 304                 |
| Shaft seal | Mechanical Seal                    |
| Bearing    | Grease lubrication rolling bearing |



### TECHNICAL DATA

| MODEL     | Impeller form | n=2900r/min          |                      |                      |             |                    |                  | n=1450r/min        |                      |                      |             |                      |                |
|-----------|---------------|----------------------|----------------------|----------------------|-------------|--------------------|------------------|--------------------|----------------------|----------------------|-------------|----------------------|----------------|
|           |               | Flow Q<br>m³/h       | Head H<br>m          | Power                |             | Eff η<br>%         | (NPSH)r<br>m     | Flow Q<br>m³/h     | Head H<br>m          | Power                |             | Eff η<br>%           | (NPSH)r<br>m   |
|           |               |                      |                      | Shaft<br>kW          | Motor<br>kW |                    |                  |                    |                      | Shaft<br>kW          | Motor<br>kW |                      |                |
| 50-32-125 | O             | 7.5<br>12.5<br>15    | 22<br>20<br>18.5     | 0.96<br>1.13<br>1.26 | 2.2         | 47<br>60<br>60     | 2<br>2<br>2.5    | 3.8<br>6.3<br>7.5  | 5.4<br>5<br>4.6      | 0.13<br>0.16<br>0.17 | 0.55        | 43<br>54<br>55       | 2<br>2<br>2.5  |
|           | A             | 7.2<br>11.9<br>14.3  | 20<br>18.2<br>16.8   | 0.85<br>1.02<br>1.13 | 2.2         | 46<br>58<br>58     | 2<br>2<br>2.25   | 3.6<br>6<br>7.2    | 4.9<br>4.6<br>4.2    | 0.11<br>0.14<br>0.15 | 0.55        | 42<br>52<br>53       | 2<br>2<br>2.25 |
|           | B             | 6.7<br>11.2<br>13.4  | 17.5<br>15.9<br>14.7 | 0.71<br>0.86<br>0.96 | 1.5         | 45<br>56<br>56     | 2<br>2<br>2.05   | 3.4<br>5.6<br>6.7  | 4.3<br>4<br>3.7      | 0.1<br>0.12<br>0.13  | 0.55        | 41<br>50<br>51       | 2<br>2<br>2.05 |
|           | C             | 6.2<br>10.4<br>12.5  | 15.2<br>13.8<br>12.8 | 0.59<br>0.72<br>0.8  | 1.1         | 44<br>54<br>54     | 2<br>2<br>2      | 3.1<br>5.2<br>6.2  | 3.7<br>3.5<br>3.2    | 0.08<br>0.1<br>0.11  | 0.55        | 40<br>48<br>49       | 2<br>2<br>2    |
| 50-32-160 | O             | 7.5<br>12.5<br>15    | 34.3<br>32<br>29.6   | 1.59<br>2.02<br>2.16 | 3           | 44<br>54<br>56     | 2<br>2<br>2.2    | 3.8<br>6.3<br>7.5  | 8.5<br>8<br>7.5      | 0.25<br>0.29<br>0.31 | 0.55        | 35<br>48<br>49       | 2<br>2<br>2.5  |
|           | A             | 6.8<br>11.4<br>13.7  | 28.4<br>26.6<br>24.6 | 1.27<br>1.59<br>1.73 | 3           | 41.5<br>52<br>53   | 2<br>2<br>2.16   | 3.4<br>5.7<br>6.8  | 7.1<br>6.7<br>6.2    | 0.19<br>0.23<br>0.25 | 0.55        | 34<br>45.5<br>46     | 2<br>2<br>2.16 |
|           | B             | 6.1<br>10.1<br>12.2  | 22.5<br>21<br>19.4   | 0.95<br>1.16<br>1.26 | 2.2         | 39<br>50<br>51     | 2<br>2<br>2      | 3<br>5.1<br>6.1    | 5.6<br>5.3<br>4.9    | 0.14<br>0.17<br>0.19 | 0.55        | 32<br>42<br>42.5     | 2<br>2<br>2    |
|           | C             | 5.4<br>9<br>10.8     | 17.9<br>16.7<br>15.4 | 0.73<br>0.91<br>1    | 1.5         | 36<br>45<br>45.5   | 2<br>2<br>2      | 2.7<br>4.6<br>5.4  | 4.4<br>4.2<br>3.9    | 0.11<br>0.14<br>0.15 | 0.55        | 30<br>38<br>38.5     | 2<br>2<br>2    |
| 50-32-200 | O             | 7.5<br>12.5<br>15    | 52.5<br>50<br>48     | 2.82<br>3.54<br>3.95 | 5.5         | 38<br>48<br>51     | 2<br>2<br>2.5    | 3.8<br>6.3<br>7.5  | 13.1<br>12.5<br>12   | 0.41<br>0.51<br>0.56 | 0.75        | 33<br>42<br>44       | 2<br>2<br>2.5  |
|           | A             | 7.3<br>12.1<br>14.6  | 49.4<br>47<br>45.1   | 2.61<br>3.3<br>3.58  | 5.5         | 37.5<br>47<br>50   | 2<br>2<br>2.3    | 3.6<br>6.1<br>7.3  | 12.3<br>11.8<br>11.3 | 0.38<br>0.47<br>0.52 | 0.75        | 32.5<br>41.5<br>43.2 | 2<br>2<br>2.3  |
|           | B             | 7<br>11.7<br>14      | 45.3<br>43.2<br>41.5 | 2.33<br>2.96<br>3.2  | 4           | 37<br>46.2<br>49.2 | 2<br>2<br>2.15   | 3.5<br>5.9<br>7    | 11.3<br>10.8<br>10.4 | 0.34<br>0.52<br>0.46 | 0.75        | 32<br>40.7<br>42.5   | 2<br>2<br>2.15 |
|           | C             | 6.8<br>10.9<br>13    | 39.6<br>37.7<br>36.2 | 1.95<br>2.47<br>2.67 | 4           | 36<br>45.2<br>48.2 | 2<br>2<br>2      | 3.3<br>5.5<br>6.5  | 9.9<br>9.4<br>9.1    | 0.28<br>0.36<br>0.39 | 0.55        | 31<br>39.5<br>41.2   | 2<br>2<br>2    |
| 50-32-250 | O             | 7.5<br>12.5<br>15    | 82<br>80<br>78.5     | 5.87<br>7.16<br>7.83 | 11          | 28.5<br>38<br>41   | 2<br>2<br>2.5    | 3.8<br>6.3<br>7.5  | 20.5<br>20<br>19.5   | 0.91<br>1.07<br>1.14 | 1.5         | 23<br>32<br>35       | 2<br>2<br>2.5  |
|           | A             | 7<br>11.6<br>13.9    | 70.6<br>68.9<br>67.6 | 4.78<br>5.8<br>6.41  | 11          | 28<br>37.5<br>40   | 2<br>2<br>2.25   | 3.5<br>5.9<br>7    | 17.7<br>17.2<br>16.8 | 0.76<br>0.88<br>0.93 | 1.5         | 22.1<br>31.2<br>34.2 | 2<br>2<br>2.25 |
|           | B             | 6.5<br>10.8<br>13    | 61.2<br>59.7<br>58.6 | 3.93<br>4.84<br>5.3  | 7.5         | 27.5<br>36.3<br>39 | 2<br>2<br>2.05   | 3.2<br>5.4<br>6.5  | 15.3<br>14.9<br>14.6 | 0.63<br>0.73<br>0.77 | 1.5         | 21.5<br>30.5<br>33.5 | 2<br>2<br>2.05 |
|           | C             | 6<br>10<br>12        | 52.5<br>51.2<br>50.2 | 3.18<br>3.98<br>4.38 | 5.5         | 27<br>35<br>37.5   | 2<br>2<br>2      | 3<br>5<br>6        | 13.1<br>12.8<br>12.5 | 0.51<br>0.6<br>0.63  | 1.1         | 21<br>29.5<br>32.5   | 2<br>2<br>2    |
| 65-50-125 | O             | 15<br>25<br>30       | 21.8<br>20<br>18.5   | 1.54<br>1.97<br>2.22 | 3           | 58<br>69<br>68     | 2<br>2.5<br>3    | 7.5<br>12.5<br>15  | 5.4<br>5<br>4.7      | 0.21<br>0.27<br>0.3  | 0.55        | 53<br>64<br>65       | 2<br>2<br>2.25 |
|           | A             | 14.1<br>23.5<br>28.2 | 19.2<br>17.6<br>16.3 | 1.33<br>1.68<br>1.89 | 3           | 55<br>67<br>66     | 2<br>2.4<br>2.8  | 7<br>11.7<br>14.1  | 4.7<br>4.4<br>4.1    | 0.18<br>0.23<br>0.26 | 0.55        | 50.5<br>61.5<br>62   | 2<br>2<br>2.3  |
|           | B             | 13.2<br>21.9<br>26.3 | 16.8<br>15.4<br>14.2 | 1.19<br>1.48<br>1.67 | 2.2         | 50.5<br>62<br>61   | 2<br>2.3<br>2.6  | 6.6<br>11<br>13.2  | 4.1<br>3.8<br>3.6    | 0.16<br>0.2<br>0.23  | 0.55        | 46.5<br>57<br>57.5   | 2<br>2<br>2.15 |
|           | C             | 11.3<br>18.9<br>22.6 | 12.4<br>11.4<br>10.5 | 0.88<br>1.1<br>1.25  | 2.2         | 43.5<br>53<br>52   | 2<br>2.15<br>2.4 | 5.7<br>9.4<br>11.3 | 3<br>2<br>2.7        | 0.11<br>0.15<br>0.7  | 0.55        | 51.5<br>48<br>48.5   | 2<br>2<br>2    |
| 65-50-160 | O             | 15<br>25<br>30       | 35<br>32<br>30       | 2.65<br>3.35<br>3.71 | 5.5         | 54<br>65<br>66     | 2<br>2<br>2.5    | 7.5<br>12.5<br>15  | 8.8<br>8<br>7.2      | 0.36<br>0.45<br>0.49 | 0.75        | 50<br>60<br>60       | 2<br>2<br>2.5  |
|           | A             | 14.1<br>23.5<br>28.2 | 30.8<br>28.2<br>26.4 | 2.25<br>2.86<br>3.16 | 4           | 52.5<br>63<br>64   | 2<br>2<br>2.25   | 7<br>11.7<br>14.1  | 7.8<br>7<br>6.3      | 0.32<br>0.39<br>0.42 | 0.75        | 47<br>58<br>58       | 2<br>2<br>2.25 |
|           | B             | 13<br>21.6<br>25.9   | 26.1<br>23.9<br>22.4 | 1.86<br>2.42<br>2.68 | 4           | 49.5<br>58<br>49   | 2<br>2<br>2.05   | 6.5<br>10.8<br>13  | 6.6<br>6<br>5.4      | 0.25<br>0.32<br>0.35 | 0.55        | 45.5<br>55<br>55     | 2<br>2<br>2.05 |
|           | C             | 12<br>20.1<br>24.1   | 22.5<br>20.6<br>19.3 | 1.58<br>2.05<br>2.3  | 3           | 45.8<br>55<br>55   | 2<br>2<br>2      | 6<br>10<br>12      | 5.7<br>5.2<br>4.6    | 0.22<br>0.27<br>0.29 | 0.55        | 53<br>52<br>52       | 2<br>2<br>2    |



TECHNICAL DATA

| MODEL     | Impeller<br>form | n=2900r/min |           |       |       |          |         | n=1450r/min |           |       |       |          |         |
|-----------|------------------|-------------|-----------|-------|-------|----------|---------|-------------|-----------|-------|-------|----------|---------|
|           |                  | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r |
|           |                  |             |           | Shaft | Motor |          |         |             |           | Shaft | Motor |          |         |
|           |                  |             |           |       |       |          |         |             |           |       |       |          |         |
| m3/h      | m                | kW          | kW        | %     | m     | m3/h     | m       | kW          | kW        | %     | m     |          |         |
| 65-40-200 | O                | 15          | 53        | 4.42  | 7.5   | 49       | 2       | 7.5         | 13.2      | 0.63  | 1.1   | 43       | 2       |
|           |                  | 25          | 50        | 5.67  |       | 60       | 2       | 12.5        | 12.5      | 0.77  |       | 55       | 2       |
|           |                  | 30          | 47        | 6.29  |       | 61       | 2.5     | 15          | 11.8      | 0.85  |       | 57       | 2.5     |
|           | A                | 14.3        | 47.8      | 3.81  | 7.5   | 48.7     | 2       | 7.1         | 11.9      | 0.54  | 1.1   | 43       | 2       |
|           |                  | 23.8        | 45.1      | 4.91  |       | 59.5     | 2       | 11.9        | 11.3      | 0.66  |       | 55       | 2       |
|           |                  | 28.5        | 42.4      | 5.44  |       | 60.5     | 2.3     | 14.3        | 10.7      | 0.73  |       | 57       | 2.3     |
|           | B                | 13.5        | 42.9      | 3.27  | 5.5   | 48.3     | 2       | 6.8         | 10.7      | 0.46  | 1.1   | 43       | 2       |
|           |                  | 22.5        | 40.5      | 4.21  |       | 59       | 2       | 11.3        | 10.1      | 0.56  |       | 55       | 2       |
|           |                  | 27          | 38.1      | 4.67  |       | 60       | 2.1     | 13.5        | 9.6       | 0.62  |       | 57       | 2.1     |
|           | C                | 12.8        | 38.3      | 2.77  | 5.5   | 48       | 2       | 6.4         | 9.5       | 0.39  | 0.75  | 42       | 2       |
|           |                  | 21.3        | 36.1      | 3.64  |       | 57.5     | 2       | 10.6        | 9         | 0.48  |       | 54       | 2       |
|           |                  | 25.5        | 34        | 4     |       | 59       | 2       | 12.8        | 8.5       | 0.52  |       | 57       | 2       |
| 65-40-250 | O                | 15          | 82        | 9.05  | 15    | 37       | 2       | 7.5         | 21        | 1.23  | 2.2   | 35       | 2       |
|           |                  | 25          | 80        | 10.9  |       | 50       | 2       | 12.5        | 20        | 1.48  |       | 46       | 2       |
|           |                  | 30          | 78        | 12    |       | 53       | 2.5     | 15          | 19.4      | 1.65  |       | 48       | 2.5     |
|           | A                | 14.1        | 72        | 7.55  | 15    | 36.5     | 2       | 7           | 18.4      | 1.01  | 2.2   | 35       | 2       |
|           |                  | 23.4        | 70.2      | 9.14  |       | 49       | 2       | 11.7        | 17.6      | 1.25  |       | 44.8     | 2       |
|           |                  | 28.1        | 68.5      | 10    |       | 52.4     | 2.26    | 14.1        | 17        | 1.39  |       | 47       | 2.26    |
|           | B                | 13.1        | 62.7      | 6.21  | 11    | 36       | 2       | 6.6         | 16        | 0.82  | 1.5   | 34.8     | 2       |
|           |                  | 21.9        | 61.1      | 7.64  |       | 47.6     | 2       | 10.9        | 15.3      | 1.04  |       | 43.8     | 2       |
|           |                  | 26.2        | 59.6      | 8.34  |       | 51       | 2.07    | 13.1        | 14.8      | 1.15  |       | 46.2     | 2.07    |
|           | C                | 12.3        | 55        | 5.81  | 11    | 35.5     | 2       | 6.1         | 14.1      | 0.68  | 1.5   | 34.5     | 2       |
|           |                  | 20.5        | 53.7      | 6.45  |       | 46.3     | 2       | 10.2        | 13.4      | 0.87  |       | 43       | 2       |
|           |                  | 24.6        | 52.3      | 7.04  |       | 49.7     | 2       | 12.3        | 13        | 0.97  |       | 45       | 2       |
| 65-40-315 | O                | 15          | 127       | 18.5  | 30    | 28       | 2.5     | 7.5         | 32.3      | 2.63  | 4     | 25       | 2.5     |
|           |                  | 25          | 125       | 21.3  |       | 50       | 2.5     | 12.5        | 32        | 2.94  |       | 37       | 2.5     |
|           |                  | 30          | 123       | 22.8  |       | 44       | 3       | 15          | 31.7      | 3.16  |       | 41       | 3       |
|           | A                | 14          | 111       | 15    | 22    | 28       | 2.5     | 7           | 28.1      | 2.15  | 4     | 25       | 2.5     |
|           |                  | 23.3        | 109       | 17.5  |       | 39.5     | 2.5     | 11.7        | 27.9      | 2.42  |       | 36.6     | 2.5     |
|           |                  | 28          | 107       | 18.8  |       | 43.5     | 2.75    | 14          | 27.6      | 2.58  |       | 40.8     | 2.75    |
|           | B                | 13.1        | 97.5      | 12.5  | 18.5  | 28       | 2.5     | 6.6         | 24.8      | 1.78  | 3     | 25       | 2.5     |
|           |                  | 21.9        | 96        | 14.7  |       | 39       | 2.5     | 11          | 24.6      | 2.02  |       | 36.3     | 2.5     |
|           |                  | 26.3        | 94.4      | 15.7  |       | 43       | 2.56    | 13.1        | 24.3      | 2.15  |       | 40.6     | 2.56    |
|           | C                | 12.1        | 83.2      | 9.83  | 15    | 28       | 2.5     | 6.1         | 21.2      | 1.14  | 3     | 25       | 2.5     |
|           |                  | 20.1        | 81.9      | 11.7  |       | 38.5     | 2.5     | 10.1        | 21        | 1.61  |       | 36       | 2.5     |
|           |                  | 24.3        | 80.6      | 12.5  |       | 42.5     | 2.5     | 12.1        | 20.8      | 1.7   |       | 40.4     | 2.5     |
| 80-65-125 | O                | 30          | 22.5      | 2.87  | 5.5   | 64       | 3       | 15          | 5.6       | 0.42  | 0.75  | 55       | 2.5     |
|           |                  | 50          | 20        | 3.63  |       | 75       | 3       | 25          | 5         | 0.48  |       | 71       | 2.5     |
|           |                  | 60          | 18        | 3.98  |       | 74       | 3.5     | 30          | 4.5       | 0.51  |       | 72       | 3       |
|           | A                | 28.7        | 20.6      | 2.56  | 5.5   | 63       | 3       | 14.4        | 5.1       | 0.37  | 0.75  | 54.5     | 2.5     |
|           |                  | 47.9        | 18.3      | 3.27  |       | 73       | 3       | 23.9        | 4.6       | 0.43  |       | 70       | 2.5     |
|           |                  | 57.4        | 16.5      | 3.56  |       | 72.5     | 3.3     | 28.7        | 4.1       | 0.45  |       | 71       | 2.8     |
|           | B                | 26.1        | 17.1      | 2.01  | 4     | 60.5     | 3       | 13.1        | 4.3       | 0.29  | 0.55  | 53       | 2.5     |
|           |                  | 43.6        | 15.2      | 2.59  |       | 69.5     | 3       | 21.8        | 3.8       | 0.34  |       | 66       | 2.5     |
|           |                  | 52.3        | 13.7      | 2.84  |       | 68.5     | 3.1     | 26.1        | 3.4       | 0.36  |       | 67       | 2.55    |
|           | C                | 23.1        | 13.4      | 1.45  | 3     | 58       | 3       | 11.6        | 3.3       | 0.21  | 0.55  | 51       | 2.5     |
|           |                  | 38.6        | 11.9      | 1.91  |       | 65.5     | 3       | 19.3        | 3         | 0.25  |       | 62       | 2.5     |
|           |                  | 46.3        | 10.7      | 2.09  |       | 64.5     | 3       | 23.1        | 2.7       | 0.27  |       | 63       | 2.5     |
| 80-65-160 | O                | 30          | 36        | 4.82  | 7.5   | 61       | 2.5     | 15          | 9         | 0.67  | 1.5   | 55       | 2.5     |
|           |                  | 50          | 32        | 5.97  |       | 73       | 2.5     | 20          | 8         | 0.79  |       | 69       | 2.5     |
|           |                  | 60          | 29        | 6.59  |       | 72       | 3       | 30          | 7.2       | 0.86  |       | 68       | 3       |
|           | A                | 28.2        | 31.7      | 4.05  | 7.5   | 60       | 2.5     | 14.1        | 7.9       | 0.57  | 1.1   | 53.5     | 2.5     |
|           |                  | 49.6        | 28.2      | 5.07  |       | 71       | 2.5     | 23.5        | 7         | 0.68  |       | 66.5     | 2.5     |
|           |                  | 56.3        | 25.5      | 5.59  |       | 70       | 2.8     | 28.2        | 6.3       | 0.74  |       | 65.5     | 2.8     |
|           | B                | 25.9        | 26.9      | 3.21  | 5.5   | 59       | 2.5     | 13          | 6.7       | 0.47  | 1.1   | 51       | 2.5     |
|           |                  | 43.2        | 23.9      | 4.2   |       | 67       | 2.5     | 21.6        | 6         | 0.56  |       | 63       | 2.5     |
|           |                  | 51.9        | 21.7      | 4.63  |       | 66       | 2.6     | 25.9        | 5.4       | 0.61  |       | 62       | 2.6     |
|           | C                | 24.1        | 23.2      | 2.67  | 5.5   | 57       | 2.5     | 12          | 5.8       | 0.4   | 0.75  | 48       | 2.5     |
|           |                  | 40.1        | 20.6      | 3.52  |       | 64       | 2.5     | 20.1        | 5.2       | 0.47  |       | 60       | 2.5     |
|           |                  | 48.2        | 18.7      | 3.89  |       | 63       | 2.5     | 24.1        | 4.6       | 0.52  |       | 59       | 2.5     |
| 80-50-200 | O                | 30          | 53        | 7.87  | 15    | 53       | 2.5     | 15          | 13.2      | 1.06  | 2.2   | 51       | 2.5     |
|           |                  | 50          | 50        | 9.87  |       | 69       | 2.5     | 25          | 12.5      | 1.31  |       | 55       | 2.5     |
|           |                  | 60          | 47        | 10.8  |       | 71       | 3       | 30          | 11.8      | 1.44  |       | 67       | 3       |
|           | A                | 28          | 46        | 6.42  | 11    | 54.5     | 2.5     | 14          | 11.5      | 0.86  | 1.5   | 50.6     | 2.5     |
|           |                  | 46.9        | 43.4      | 8.21  |       | 67       | 2.5     | 23.3        | 10.9      | 1.09  |       | 63       | 2.5     |
|           |                  | 55.9        | 40.8      | 8.93  |       | 69.5     | 2.7     | 27.9        | 10.2      | 1.2   |       | 65       | 2.7     |
|           | B                | 25.6        | 38.6      | 5.02  | 11    | 53.5     | 2.5     | 12.8        | 9.6       | 0.68  | 1.5   | 49.4     | 2.5     |
|           |                  | 42.7        | 36.4      | 6.4   |       | 66       | 2.5     | 21.3        | 9.1       | 0.86  |       | 61.5     | 2.5     |
|           |                  | 51.2        | 34.2      | 6.96  |       | 68.5     | 2.53    | 25.6        | 8.6       | 0.96  |       | 62.5     | 2.53    |
|           | C                | 23.5        | 32.6      | 3.98  | 7.5   | 52.5     | 2.5     | 11.8        | 8.1       | 0.54  | 1.1   | 48       | 2.5     |
|           |                  | 39.2        | 30.8      | 5.09  |       | 64.5     | 2.5     | 19.6        | 7.7       | 0.68  |       | 60.5     | 2.5     |
|           |                  | 47.1        | 28.9      | 5.45  |       | 68       | 2.5     | 23.5        | 7.3       | 0.76  |       | 61.5     | 2.5     |

TECHNICAL DATA

| MODEL      | Impeller<br>form | n=2900r/min |           |       |       |          |         | n=1450r/min |           |       |       |          |         |
|------------|------------------|-------------|-----------|-------|-------|----------|---------|-------------|-----------|-------|-------|----------|---------|
|            |                  | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r |
|            |                  |             |           | Shaft | Motor |          |         |             |           | Shaft | Motor |          |         |
|            |                  |             |           |       |       |          |         |             |           |       |       |          |         |
| 80-50-250  | O                | 30          | 84        | 13.2  | 22    | 52       | 2.5     | 15          | 5.4       | 1.75  | 3     | 49       | 2.5     |
|            |                  | 50          | 80        | 17.3  |       | 63       | 2.5     | 25          | 5         | 2.27  |       | 60       | 2.5     |
|            |                  | 60          | 75        | 19.2  |       | 64       | 3       | 30          | 4.6       | 2.52  |       | 61       | 3       |
|            | A                | 28.3        | 74.9      | 11    | 22    | 52.3     | 2.5     | 14.2        | 4.9       | 1.47  | 3     | 49       | 2.5     |
|            |                  | 47.2        | 71.3      | 14.6  |       | 62.2     | 2.5     | 23.6        | 4.6       | 1.95  |       | 58.7     | 2.5     |
|            |                  | 56.6        | 66.8      | 16.1  |       | 64       | 2.8     | 28.3        | 4.2       | 2.16  |       | 59.7     | 2.8     |
|            | B                | 26.6        | 66.2      | 9.1   | 18.5  | 52.7     | 2.5     | 13.3        | 4.3       | 1.23  | 2.2   | 49       | 2.5     |
|            |                  | 44.4        | 63.1      | 12.3  |       | 62.2     | 2.5     | 22.2        | 4         | 1.64  |       | 58       | 2.5     |
|            |                  | 53.3        | 59.1      | 13.4  |       | 64       | 2.6     | 26.6        | 3.7       | 1.81  |       | 59.5     | 2.6     |
|            | C                | 23.8        | 52.1      | 6.43  | 15    | 53       | 2.5     | 11.9        | 3.7       | 0.87  | 2.2   | 49       | 2.5     |
|            |                  | 39.6        | 50        | 8.9   |       | 60.8     | 2.5     | 19.8        | 3.5       | 1.19  |       | 57       | 2.5     |
|            |                  | 47.5        | 47        | 9.59  |       | 63.5     | 2.5     | 23.8        | 3.2       | 1.29  |       | 59       | 2.5     |
| 80-50-315  | O                | 30          | 128       | 25.5  | 37    | 41       | 2.5     | 15          | 32.5      | 3.4   | 5.5   | 39       | 2.5     |
|            |                  | 50          | 125       | 31.5  |       | 54       | 3       | 25          | 32        | 4.19  |       | 52       | 2.5     |
|            |                  | 60          | 123       | 35.3  |       | 57       | 2.5     | 30          | 31.5      | 4.6   |       | 56       | 3       |
|            | A                | 28          | 112       | 20.7  | 37    | 41       | 2.5     | 14          | 28.3      | 2.77  | 5.5   | 39       | 2.5     |
|            |                  | 46.7        | 109       | 25.9  |       | 53.5     | 2.5     | 23.3        | 3.43      | 52    |       | 2.5      |         |
|            |                  | 56          | 107       | 28.2  |       | 56.7     | 2.7     | 28          | 27.4      | 3.75  |       | 56       | 2.7     |
|            | B                | 26.3        | 98.3      | 17.2  | 30    | 41       | 2.5     | 13.1        | 25        | 2.29  | 4     | 39       | 2.5     |
|            |                  | 43.8        | 96        | 21.6  |       | 53       | 2.5     | 21.9        | 24.6      | 2.85  |       | 51.4     | 2.5     |
|            |                  | 52.6        | 94.4      | 24    |       | 56.3     | 2.63    | 26.3        | 24.2      | 3.11  |       | 55.6     | 2.63    |
|            | C                | 24.3        | 83.9      | 13.5  | 22    | 41       | 2.5     | 12.1        | 21.3      | 1.81  | 4     | 39       | 2.5     |
|            |                  | 40.5        | 81.9      | 17.2  |       | 52.5     | 2.5     | 20.2        | 21        | 2.26  |       | 51.1     | 2.5     |
|            |                  | 48.6        | 80.6      | 19    |       | 56       | 2.5     | 24.3        | 20.6      | 2.46  |       | 55.4     | 2.5     |
| 100-80-125 | O                | 60          | 24        | 5.86  | 11    | 67       | 4       | 30          | 6         | 0.77  | 1.5   | 64       | 2.5     |
|            |                  | 100         | 20        | 7     |       | 78       | 4.5     | 50          | 5         | 0.91  |       | 75       | 2.5     |
|            |                  | 120         | 16.5      | 7.28  |       | 74       | 5       | 60          | 4         | 0.92  |       | 71       | 3       |
|            | A                | 56.6        | 21.3      | 5.17  | 11    | 63.5     | 4       | 28.3        | 5.3       | 0.67  | 1.5   | 61       | 2.5     |
|            |                  | 94.2        | 17.8      | 6.05  |       | 73       | 4.4     | 47.1        | 4.4       | 0.79  |       | 72       | 2.5     |
|            |                  | 113         | 14.7      | 6.45  |       | 70       | 4.8     | 56.6        | 3.6       | 0.83  |       | 76       | 2.8     |
|            | B                | 53.5        | 19.1      | 4.64  | 7.5   | 60       | 4       | 26.8        | 4.8       | 0.61  | 1.1   | 67       | 2.5     |
|            |                  | 89.2        | 15.9      | 5.52  |       | 70       | 4.3     | 44.6        | 4         | 0.73  |       | 66       | 2.5     |
|            |                  | 107         | 13.1      | 5.89  |       | 65       | 4.65    | 53.5        | 3.2       | 0.73  |       | 64       | 2.6     |
|            | C                | 47.9        | 15        | 3.57  | 5.5   | 54.5     | 4       | 23.7        | 3.8       | 0.51  | 1.1   | 48       | 2.5     |
|            |                  | 79.1        | 12.5      | 4.22  |       | 64       | 4.2     | 39.6        | 3.1       | 0.55  |       | 61       | 2.5     |
|            |                  | 95          | 10.3      | 4.28  |       | 62.5     | 4.4     | 47.5        | 2.5       | 0.55  |       | 59       | 2.5     |
| 100-80-160 | O                | 60          | 36        | 8.42  | 15    | 70       | 3.5     | 30          | 9.2       | 1.12  | 2.2   | 67       | 2       |
|            |                  | 100         | 32        | 11.2  |       | 78       | 4       | 50          | 8         | 1.45  |       | 75       | 2.5     |
|            |                  | 120         | 28        | 12.2  |       | 75       | 5       | 60          | 6.8       | 1.57  |       | 71       | 3.5     |
|            | A                | 56.9        | 32.4      | 7.19  | 15    | 69.7     | 3.5     | 28.4        | 8.3       | 0.96  | 2.2   | 66.5     | 2       |
|            |                  | 94.8        | 28.8      | 9.58  |       | 77.5     | 3.97    | 47.4        | 7.2       | 1.22  |       | 76       | 2.34    |
|            |                  | 114         | 25.2      | 10.5  |       | 74.2     | 4.5     | 56.9        | 6.1       | 1.35  |       | 70       | 2.6     |
|            | B                | 53.4        | 28.5      | 5.99  | 11    | 69.3     | 3.5     | 26.7        | 7.3       | 0.8   | 1.5   | 66       | 2       |
|            |                  | 89          | 25.4      | 8.02  |       | 76.6     | 3.77    | 44.5        | 6.3       | 1.05  |       | 73.3     | 2.25    |
|            |                  | 107         | 22.2      | 8.75  |       | 73.8     | 4.1     | 53.4        | 5.4       | 1.14  |       | 69       | 2.9     |
|            | C                | 50.6        | 25.6      | 5.12  | 11    | 69       | 3.5     | 25.3        | 6.6       | 0.69  | 1.5   | 65.5     | 2       |
|            |                  | 84.4        | 22.8      | 6.89  |       | 76       | 3.65    | 42.2        | 5.7       | 0.9   |       | 73.3     | 2.17    |
|            |                  | 101         | 19.9      | 7.48  |       | 73.5     | 3.93    | 50.6        | 4.8       | 0.97  |       | 68.5     | 2.4     |
| 100-65-200 | O                | 60          | 54        | 13.6  | 22    | 65       | 3       | 30          | 13.5      | 1.84  | 4     | 60       | 2       |
|            |                  | 100         | 50        | 17.9  |       | 76       | 3.6     | 50          | 12.5      | 2.33  |       | 73       | 2       |
|            |                  | 120         | 47        | 19.9  |       | 77       | 4.8     | 60          | 11.8      | 2.61  |       | 74       | 2.5     |
|            | A                | 56.4        | 47.8      | 11.3  | 22    | 65       | 3       | 28.2        | 11.9      | 1.53  | 3     | 60       | 2       |
|            |                  | 94.1        | 44.2      | 14.8  |       | 76.5     | 3.45    | 47          | 11.1      | 1.95  |       | 72.7     | 2       |
|            |                  | 113         | 41.6      | 16.6  |       | 77       | 4.3     | 56.4        | 10.4      | 2.18  |       | 73.7     | 2.29    |
|            | B                | 53.5        | 42.9      | 9.6   | 18.5  | 65       | 3       | 26.7        | 10.7      | 1.3   | 3     | 60       | 2       |
|            |                  | 89.1        | 39.7      | 12.9  |       | 74.5     | 3.35    | 44.6        | 9.9       | 1.67  |       | 72.3     | 2       |
|            |                  | 107         | 37.3      | 14.3  |       | 76       | 3.6     | 53.5        | 9.4       | 1.86  |       | 73.3     | 2.15    |
|            | C                | 50.5        | 38.3      | 8.09  | 15    | 65       | 3       | 25.3        | 9.6       | 1.1   | 2.2   | 60       | 2       |
|            |                  | 84.2        | 35.4      | 11.1  |       | 73       | 3.25    | 42.1        | 8.9       | 1.41  |       | 72       | 2       |
|            |                  | 101         | 33.3      | 12.2  |       | 75       | 3.6     | 50.5        | 8.4       | 1.57  |       | 73       | 2       |
| 100-65-250 | O                | 60          | 87        | 23.4  | 37    | 61       | 3.5     | 30          | 21.3      | 3.16  | 5.5   | 55       | 2       |
|            |                  | 100         | 80        | 30.3  |       | 72       | 3.8     | 50          | 20        | 4     |       | 68       | 2       |
|            |                  | 120         | 74.5      | 33.3  |       | 73       | 4.8     | 60          | 19        | 4.44  |       | 70       | 2.5     |
|            | A                | 56          | 75.8      | 19.4  | 37    | 59.5     | 3.5     | 28          | 18.6      | 2.67  | 5.5   | 53       | 2       |
|            |                  | 93.3        | 69.7      | 25.6  |       | 69.3     | 3.7     | 46.7        | 17.4      | 3.38  |       | 65.5     | 2       |
|            |                  | 112         | 64.9      | 28.1  |       | 70.5     | 4.35    | 56          | 16.6      | 3.72  |       | 67.8     | 2.25    |
|            | B                | 52.2        | 65.9      | 16.6  | 30    | 56.5     | 3.5     | 26.1        | 16.1      | 2.25  | 4     | 51       | 2       |
|            |                  | 87.1        | 60.6      | 21.8  |       | 66.1     | 3.6     | 43.5        | 15.2      | 2.9   |       | 62       | 2       |
|            |                  | 104         | 56.5      | 24    |       | 67       | 4       | 52.2        | 14.4      | 3.17  |       | 64.6     | 2.05    |
|            | C                | 48.5        | 56.8      | 14.1  | 30    | 53       | 3.5     | 24.2        | 13.9      | 1.84  | 4     | 49       | 2       |
|            |                  | 80.8        | 52.2      | 18.3  |       | 62.8     | 3.5     | 40.4        | 13.1      | 2.45  |       | 58.5     | 2       |
|            |                  | 96.6        | 48.6      | 20.1  |       | 67       | 3.75    | 48.5        | 12.4      | 2.7   |       | 60.6     | 2       |



TECHNICAL DATA

| MODEL       | Impeller<br>form | n=2900r/min |           |       |       |          |         | n=1450r/min |           |       |       |          |         |
|-------------|------------------|-------------|-----------|-------|-------|----------|---------|-------------|-----------|-------|-------|----------|---------|
|             |                  | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r |
|             |                  |             |           | Shaft | Motor |          |         |             |           | Shaft | Motor |          |         |
|             |                  |             |           |       |       |          |         |             |           |       |       |          |         |
| 100-65-315  | O                | 60          | 133       | 39.6  |       | 55       | 3       | 30          | 34        | 5.44  |       | 51       | 2       |
|             |                  | 100         | 125       | 51.6  |       | 60       | 3.6     | 50          | 32        | 6.92  | 11    | 63       | 2       |
|             |                  | 120         | 118       | 57.5  | 75    | 67       | 4.2     | 60          | 30        | 7.67  |       | 64       | 2.5     |
|             | A                | 56          | 116       | 32.1  |       | 55       | 3       | 28          | 29.6      | 4.43  |       | 51       | 2       |
|             |                  | 93.3        | 109       | 42.5  |       | 65.2     | 3.45    | 46.7        | 27.9      | 5.64  | 11    | 62.8     | 2       |
|             |                  | 112         | 103       | 47.5  | 55    | 66       | 3.95    | 56          | 26.1      | 6.3   |       | 63.3     | 2.25    |
|             | B                | 52.6        | 102       | 26.6  |       | 55       | 3       | 26.3        | 26.1      | 3.66  |       | 51       | 2       |
|             |                  | 87.6        | 96        | 35.5  |       | 64.5     | 3.32    | 43.8        | 24.6      | 4.67  | 7.5   | 62.7     | 2       |
|             |                  | 105         | 90.6      | 39.9  | 45    | 65       | 3.7     | 52.6        | 23        | 5.3   |       | 62.2     | 2.1     |
|             | C                | 48.5        | 87.2      | 21    |       | 55       | 3       | 24.3        | 22.3      | 2.89  |       | 51       | 2       |
|             |                  | 81          | 81.9      | 28.7  |       | 63       | 3.2     | 40.5        | 21        | 3.76  | 5.5   | 61.5     | 2       |
|             |                  | 97.1        | 77.3      | 32    | 37    | 64       | 3.5     | 48.6        | 19.7      | 4.25  |       | 61.2     | 2       |
| 125-80-160  | O                | 105         | 42.8      | 16.9  |       | 72       |         | 52.3        | 40.7      | 2.21  |       | 69       | 69      |
|             |                  | 174         | 38        | 22.6  |       | 80       |         | 87.2        | 9.5       | 2.93  | 4     | 77       | 77      |
|             |                  | 209         | 33.3      | 24.6  | 30    | 77       | 5.6     | 105         | 8.31      | 3.2   |       | 74       | 74      |
|             | A                | 96          | 36        | 13.1  |       | 72       |         | 48          | 9         | 1.71  |       | 69       | 69      |
|             |                  | 160         | 32        | 17.5  |       | 80       |         | 80          | 8         | 2.26  | 3     | 77       | 77      |
|             |                  | 192         | 28        | 19    | 22    | 77       | 5.6     | 96          | 7         | 2.47  |       | 74       | 74      |
|             | B                | 89.8        | 31.5      | 11    |       | 70       |         | 44.9        | 7.9       | 1.44  |       | 67       | 67      |
|             |                  | 150         | 28        | 14.7  |       | 78       |         | 74.8        | 7         | 1.9   | 2.2   | 75       | 75      |
|             |                  | 180         | 24.5      | 16    | 18.5  | 75       | 5.6     | 89.8        | 6.1       | 2.08  |       | 72       | 72      |
|             | C                | 83.1        | 27        | 8.99  |       | 68       |         | 41.6        | 6.8       | 1.18  |       | 65       | 65      |
|             |                  | 139         | 24        | 11.9  |       | 76       |         | 69.3        | 6         | 1.55  | 2.2   | 73       | 73      |
|             |                  | 166         | 21        | 13    | 15    | 73       | 5.6     | 83.1        | 5.3       | 1.7   |       | 70       | 70      |
| 125-80-200  | O                | 105         | 66        | 28.6  |       | 66       |         | 52.6        | 16.5      | 3.75  |       | 63       | 63      |
|             |                  | 175         | 60        | 35.8  |       | 80       |         | 87.6        | 15        | 4.65  | 5.5   | 77       | 77      |
|             |                  | 210         | 55.2      | 40.5  | 45    | 78       | 5.2     | 105         | 13.8      | 5.27  |       | 75       | 75      |
|             | A                | 96          | 55        | 21.8  |       | 66       |         | 48          | 13.6      | 2.85  |       | 63       | 63      |
|             |                  | 160         | 50        | 27.2  |       | 80       |         | 80          | 12.5      | 3.54  | 4     | 77       | 77      |
|             |                  | 192         | 46        | 30.8  | 37    | 78       | 5.2     | 96          | 11.5      | 4     |       | 75       | 75      |
|             | B                | 90.1        | 48.4      | 18.3  |       | 65       |         | 45          | 12.1      | 2.39  |       | 62       | 62      |
|             |                  | 150         | 44        | 22.8  |       | 79       |         | 75.1        | 11        | 2.96  | 4     | 76       | 76      |
|             |                  | 180         | 40.5      | 25.8  | 30    | 77       | 5.2     | 90.1        | 10.1      | 3.35  |       | 74       | 74      |
|             | C                | 83.6        | 41.8      | 14.9  |       | 64       |         | 41.9        | 10.5      | 1.95  |       | 61       | 61      |
|             |                  | 139         | 38        | 18.5  |       | 78       |         | 69.7        | 9.5       | 2.41  | 3     | 75       | 75      |
|             |                  | 167         | 35        | 21    | 22    | 76       | 5.2     | 83.7        | 8.7       | 2.73  |       | 73       | 73      |
| 125-80-250  | O                | 103         | 100       | 43.2  |       | 65       |         | 51.5        | 25        | 5.66  |       | 62       | 62      |
|             |                  | 172         | 92        | 55.8  |       | 77       |         | 85.8        | 23        | 1.26  | 11    | 74       | 74      |
|             |                  | 206         | 84        | 63.9  | 75    | 74       | 4.8     | 103         | 21.3      | 8.4   |       | 71       | 71      |
|             | A                | 96          | 87        | 35    |       | 65       |         | 48          | 21.8      | 4.59  |       | 62       | 62      |
|             |                  | 160         | 80        | 45.3  |       | 77       |         | 80          | 20        | 5.89  | 7.5   | 74       | 74      |
|             |                  | 192         | 73        | 51.6  | 55    | 74       | 4.8     | 69          | 18.3      | 6.72  |       | 71       | 71      |
|             | B                | 89.8        | 76.1      | 29.1  |       | 64       |         | 44.9        | 19        | 3.81  |       | 61       | 61      |
|             |                  | 150         | 70        | 37.5  |       | 76       |         | 74.8        | 17.5      | 4.89  | 5.5   | 73       | 73      |
|             |                  | 180         | 63.9      | 42.8  | 45    | 73       | 4.8     | 89.8        | 16        | 5.58  |       | 70       | 70      |
|             | C                | 83.1        | 65.3      | 23.5  |       | 63       |         | 41.6        | 16.3      | 3.08  |       | 60       | 60      |
|             |                  | 139         | 60        | 30.2  |       | 75       |         | 69.3        | 15        | 3.93  | 5.5   | 72       | 72      |
|             |                  | 166         | 54.8      | 34.4  | 37    | 72       | 4.8     | 83.1        | 13.7      | 4.49  |       | 69       | 69      |
| 128-80-315  | Z                | 100         | 145       | 68    |       | 58       |         | 49.5        | 35.6      | 8.72  |       | 55       |         |
|             |                  | 167         | 136       | 84.7  |       | 73       |         | 82.5        | 34        | 10.9  | 15    | 70       | 2.1     |
|             |                  | 200         | 129       | 96.7  | 110   | 73       | 4.5     | 99          | 31.9      | 12.3  |       | 70       |         |
|             | O                | 96          | 133       | 60    |       | 58       |         | 48          | 33.5      | 7.96  |       | 55       |         |
|             |                  | 160         | 125       | 74.6  |       | 73       |         | 80          | 32        | 9.96  | 15    | 70       | 2.1     |
|             |                  | 192         | 119       | 85.2  | 90    | 73       | 4.5     | 96          | 30        | 11.2  |       | 70       |         |
|             | A                | 91.7        | 121       | 53.1  |       | 57       |         | 45.3        | 29.8      | 6.82  |       | 54       |         |
|             |                  | 153         | 114       | 65.9  |       | 72       |         | 75.5        | 28.5      | 8.49  | 11    | 69       | 2.1     |
|             |                  | 183         | 109       | 75.3  | 90    | 72       | 4.5     | 90.6        | 26.7      | 9.55  |       | 69       |         |
|             | B                | 87.1        | 110       | 46.4  |       | 56       |         | 43.1        | 27        | 5.97  |       | 53       |         |
|             |                  | 145         | 103       | 57.4  |       | 71       |         | 71.8        | 25.8      | 7.4   | 11    | 68       | 2.1     |
|             |                  | 174         | 98.1      | 65.6  | 75    | 71       | 4.5     | 86.1        | 24.1      | 8.33  |       | 68       |         |
| C           | 82.4             | 97.9        | 39.9      |       | 55    |          | 40.7    | 24.1        | 5.13      |       | 52    |          |         |
|             | 137              | 92          | 49.1      |       | 70    |          | 67.8    | 23          | 6.34      | 7.5   | 67    | 2.1      |         |
|             | 165              | 87.6        | 56.1      | 75    | 70    | 4.5      | 81.4    | 21.6        | 7.13      |       | 67    |          |         |
| 125-100-200 | O                | 120         | 57.5      | 28    |       | 67       | 4.5     | 60          | 14.5      | 3.83  |       | 62       | 2.5     |
|             |                  | 200         | 50        | 33.6  |       | 81       | 4.5     | 100         | 12.5      | 4.48  | 7.5   | 76       | 2.5     |
|             |                  | 240         | 44.5      | 36.4  | 45    | 80       | 5       | 120         | 11        | 4.79  |       | 75       | 3       |
|             | A                | 111         | 49.3      | 23.1  |       | 64.5     | 4.5     | 55.6        | 12.4      | 3.08  |       | 61       | 2.5     |
|             |                  | 185         | 42.9      | 27.7  |       | 78       | 4.5     | 92.6        | 10.7      | 3.68  | 5.5   | 73.5     | 2.5     |
|             |                  | 222         | 38.2      | 30    | 37    | 77       | 4.7     | 111         | 9.4       | 3.91  |       | 73       | 2.75    |
|             | B                | 103         | 42.6      | 19.2  |       | 62.5     | 4.5     | 51.7        | 10.8      | 2.61  |       | 58       | 2.5     |
|             |                  | 172         | 37.1      | 23.2  |       | 75       | 4.5     | 86.1        | 9.3       | 3.11  | 5.5   | 70       | 2.5     |
|             |                  | 207         | 33        | 25.1  | 30    | 74       | 4.55    | 103         | 8.2       | 3.33  |       | 69       | 2.55    |
|             | C                | 94.4        | 35.6      | 15.3  |       | 60       | 4.5     | 47.2        | 9         | 2.1   |       | 55       | 2.5     |
|             |                  | 157         | 31        | 18.7  |       | 71       | 4.5     | 78.7        | 7.7       | 2.51  | 4     | 66       | 2.5     |
|             |                  | 189         | 27.9      | 20.3  | 30    | 70       | 4.5     | 94.4        | 6.8       | 2.66  |       | 66       | 2.5     |

TECHNICAL DATA

| MODEL       | Impeller<br>form | n=2900r/min        |                      |                      |       |                    |                    | n=1450r/min          |                      |                      |       |                    |                    |
|-------------|------------------|--------------------|----------------------|----------------------|-------|--------------------|--------------------|----------------------|----------------------|----------------------|-------|--------------------|--------------------|
|             |                  | Flow<br>Q          | Head<br>H            | Power                |       | Eff<br>η           | (NPSH)r            | Flow<br>Q            | Head<br>H            | Power                |       | Eff<br>η           | (NPSH)r            |
|             |                  |                    |                      | Shaft                | Motor |                    |                    |                      |                      | Shaft                | Motor |                    |                    |
|             |                  |                    |                      |                      |       |                    |                    |                      |                      |                      |       |                    |                    |
| 125-100-250 | O                | 120<br>200<br>204  | 87<br>80<br>72       | 43<br>55.9<br>62.8   | 75    | 66<br>78<br>75     | 3.8<br>4.2<br>5    | 60<br>100<br>120     | 21.5<br>20<br>18.5   | 5.59<br>7.17<br>7.84 | 11    | 63<br>76<br>77     | 2.5<br>2.5<br>3    |
|             | A                | 112<br>187<br>224  | 75.8<br>69.7<br>62.7 | 35<br>45.3<br>52.1   | 75    | 66<br>78.2<br>73.5 | 3.8<br>4.2<br>5    | 56<br>93.3<br>112    | 18.7<br>17.4<br>16.1 | 4.53<br>5.83<br>6.38 | 11    | 63<br>76<br>77     | 2.5<br>2.5<br>2.7  |
|             | B                | 104<br>174<br>209  | 65.6<br>60.6<br>54.6 | 28.4<br>36.9<br>42.5 | 55    | 66<br>78<br>73     | 3.8<br>4<br>4.4    | 52.2<br>87.1<br>104  | 16.3<br>15.2<br>14   | 3.68<br>4.76<br>5.19 | 7.5   | 63<br>75.5<br>76.8 | 2.5<br>2.5<br>3    |
|             | C                | 96.9<br>162<br>194 | 56.8<br>52.2<br>47   | 22.7<br>29.5<br>34   | 45    | 66<br>77.8<br>73   | 3.8<br>3.9<br>4.15 | 48.5<br>80.8<br>96.9 | 14<br>13.1<br>12.1   | 2.94<br>3.82<br>4.17 | 5.5   | 63<br>75.2<br>76.5 | 2.2<br>2.5<br>2.5  |
| 125-100-315 | O                | 120<br>200<br>240  | 133<br>125<br>120    | 72.1<br>90.8<br>102  | 110   | 60<br>75<br>77     | 5<br>4.5<br>4      | 60<br>100<br>120     | 33.5<br>32<br>30.5   | 9.4<br>11.9<br>13.5  | 15    | 58<br>73<br>74     | 2.5<br>2.5<br>3    |
|             | A                | 112<br>187<br>225  | 116<br>110<br>105    | 60.4<br>76.4<br>85.9 | 110   | 59<br>73.3<br>75.1 | 4.9<br>4.7<br>4.4  | 56.2<br>93.7<br>112  | 29.4<br>28.1<br>26.8 | 8.04<br>10<br>11.3   | 15    | 56<br>71.5<br>72.5 | 2.5<br>2.5<br>2.8  |
|             | B                | 104<br>174<br>209  | 100<br>94.8<br>91    | 49.2<br>63.5<br>70.8 | 90    | 58<br>70.8<br>73.1 | 4.3<br>4.5<br>4    | 52.2<br>87.1<br>104  | 5.4<br>24.3<br>23.1  | 6.69<br>8.28<br>9.33 | 15    | 54<br>69.5<br>70.5 | 2.5<br>2.5<br>2.6  |
|             | C                | 96.5<br>161<br>193 | 85.7<br>80.9<br>77.7 | 39.5<br>51.8<br>57.3 | 75    | 57<br>68.4<br>71.3 | 4<br>4.2<br>4.43   | 48.3<br>80.4<br>96.5 | 21.7<br>20.7<br>19.7 | 5.38<br>6.77<br>7.63 | 11    | 53<br>67<br>68     | 2.5<br>2.5<br>2.5  |
| 125-80-400  | O                | -                  | -                    | -                    | -     | -                  | -                  | 52.6<br>87.6<br>105  | 63.6<br>60<br>55.2   | 17.7<br>22.7<br>25.1 | 30    | 51<br>63<br>63     | 2<br>2<br>2        |
|             | A                | -                  | -                    | -                    | -     | -                  | -                  | 48<br>80<br>96       | 53<br>50<br>46       | 13.6<br>17.3<br>19.1 | 22    | 51<br>63<br>63     | 2<br>2<br>2        |
|             | B                | -                  | -                    | -                    | -     | -                  | -                  | 45<br>75.1<br>90.1   | 46.6<br>44<br>40.5   | 11.4<br>14.5<br>16   | 18.5  | 50<br>62<br>62     | 2<br>2<br>2        |
|             | C                | -                  | -                    | -                    | -     | -                  | -                  | 41.9<br>69.7<br>83.7 | 40.3<br>38<br>35     | 9.4<br>11.8<br>13.1  | 15    | 49<br>61<br>61     | 2<br>2<br>2        |
| 125-100-400 | O                | -                  | -                    | -                    | -     | -                  | -                  | 60<br>100<br>120     | 52<br>50<br>48.5     | 16.1<br>21<br>23.6   | 30    | 53<br>65<br>67     | 2.5<br>2.5<br>3    |
|             | A                | -                  | -                    | -                    | -     | -                  | -                  | 56.4<br>93.9<br>113  | 45.9<br>44.1<br>42.8 | 13.3<br>17.4<br>19.7 | 22    | 53<br>65<br>66.8   | 2.5<br>2.5<br>2.75 |
|             | B                | -                  | -                    | -                    | -     | -                  | -                  | 52.3<br>87.1<br>105  | 39.4<br>37.9<br>36.8 | 10.6<br>13.9<br>15.7 | 18.5  | 53<br>64.7<br>66.5 | 2.5<br>2.5<br>2.6  |
|             | C                | -                  | -                    | -                    | -     | -                  | -                  | 48.6<br>81<br>97.2   | 34.1<br>32.8<br>31.8 | 8.5<br>11.2<br>12.7  | 15    | 53<br>64.4<br>66.2 | 2.5<br>2.5<br>2.5  |
| 150-125-250 | O                | -                  | -                    | -                    | -     | -                  | -                  | 120<br>200<br>240    | 23.2<br>20<br>17     | 10.7<br>13.5<br>14.3 | 18.5  | 71<br>81<br>78     | 3<br>3<br>3.5      |
|             | A                | -                  | -                    | -                    | -     | -                  | -                  | 112<br>187<br>224    | 20.2<br>17.4<br>14.8 | 9<br>11.5<br>12      | 15    | 68.5<br>77<br>75   | 3<br>3<br>3.2      |
|             | B                | -                  | -                    | -                    | -     | -                  | -                  | 103<br>171<br>205    | 16.9<br>14.6<br>12.4 | 7.3<br>9.1<br>9.8    | 15    | 64.5<br>75<br>71   | 3<br>3<br>3.05     |
|             | C                | -                  | -                    | -                    | -     | -                  | -                  | 95.4<br>159<br>191   | 14.7<br>12.6<br>10.7 | 6.2<br>7.7<br>8.2    | 11    | 61.5<br>71<br>68   | 3<br>3<br>3        |
| 150-125-315 | O                | -                  | -                    | -                    | -     | -                  | -                  | 120<br>200<br>240    | 34<br>32<br>29       | 15.9<br>22.1<br>23.7 | 30    | 70<br>79<br>80     | 2.5<br>2.5<br>3    |
|             | A                | -                  | -                    | -                    | -     | -                  | -                  | 112<br>186<br>224    | 29.6<br>27.8<br>25.2 | 13<br>18<br>19.4     | 22    | 69<br>78.7<br>79   | 2.5<br>2.5<br>2.7  |
|             | B                | -                  | -                    | -                    | -     | -                  | -                  | 104<br>174<br>208    | 25.6<br>24.1<br>21.8 | 10.7<br>14.7<br>15.9 | 18.5  | 68<br>77.7<br>78   | 2.5<br>2.5<br>2.55 |
|             | C                | -                  | -                    | -                    | -     | -                  | -                  | 96.4<br>161<br>193   | 21.7<br>20.6<br>18.7 | 8.6<br>11.8<br>12.7  | 15    | 77<br>76.7<br>77.2 | 2.5<br>2.5<br>2.5  |



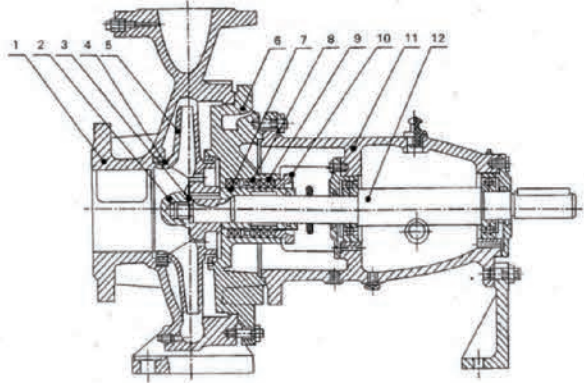
TECHNICAL DATA

| MODEL       | Impeller<br>form | n=2900r/min       |                      |                           |       |                    |         | n=1450r/min        |                      |                      |       |                    |                  |
|-------------|------------------|-------------------|----------------------|---------------------------|-------|--------------------|---------|--------------------|----------------------|----------------------|-------|--------------------|------------------|
|             |                  | Flow<br>Q         | Head<br>H            | Power                     |       | Eff<br>η           | (NPSH)r | Flow<br>Q          | Head<br>H            | Power                |       | Eff<br>η           | (NPSH)r          |
|             |                  |                   |                      | Shaft                     | Motor |                    |         |                    |                      | Shaft                | Motor |                    |                  |
|             |                  |                   |                      |                           |       |                    |         |                    |                      |                      |       |                    |                  |
| 150-125-400 | O                | -                 | -                    | -                         | -     | -                  | -       | 120<br>200<br>240  | 53<br>50<br>46       | 27.9<br>36.3<br>40.6 | 45    | 62<br>75<br>74     | 2<br>2.8<br>3.5  |
|             | A                | -                 | -                    | -                         | -     | -                  | -       | 112<br>186<br>224  | 46.1<br>43.5<br>40   | 22.6<br>29.4<br>32.9 | 45    | 62<br>74.5<br>73   | 2<br>2.65<br>3.2 |
|             | B                | -                 | -                    | -                         | -     | -                  | -       | 105<br>174<br>209  | 40.3<br>38<br>35     | 18.5<br>22.4<br>27.5 | 37    | 62<br>74<br>72.4   | 2<br>2.5<br>2.95 |
|             | C                | -                 | -                    | -                         | -     | -                  | -       | 96.5<br>161<br>193 | 34.3<br>32.3<br>29.7 | 14.5<br>19.4<br>21.9 | 30    | 62<br>72.8<br>71.5 | 2<br>2.35<br>2.7 |
| 200-150-250 | O                | -                 | -                    | -                         | -     | -                  | -       | 240<br>400<br>460  | 25<br>22<br>20       | 23.7<br>29.1<br>30.6 | 37    | 69<br>82.5<br>82   | 3<br>3.5<br>4    |
|             | A                | -                 | -                    | -                         | -     | -                  | -       | 223<br>371<br>427  | 21.5<br>18.9<br>17.2 | 19.5<br>23.9<br>25.2 | 30    | 67<br>80<br>79.5   | 3<br>3.4<br>3.7  |
|             | B                | -                 | -                    | -                         | -     | -                  | -       | 207<br>345<br>397  | 18.6<br>16.4<br>14.9 | 16<br>19.8<br>20.9   | 30    | 65.4<br>77.5<br>77 | 3<br>3.3<br>3.5  |
|             | C                | -                 | -                    | -                         | -     | -                  | -       | 190<br>317<br>365  | 15.7<br>13.8<br>12.6 | 12.7<br>16.2<br>17   | 22    | 64.4<br>74<br>73.5 | 3<br>3.2<br>3.35 |
| 200-150-315 | O                | -                 | -                    | -                         | -     | -                  | -       | 240<br>400<br>460  | 37<br>32<br>28.5     | 34.6<br>42.5<br>44.6 | 55    | 70<br>82<br>80     | 3<br>3.5<br>4    |
|             | A                | -                 | -                    | -                         | -     | -                  | -       | 219<br>366<br>420  | 30.9<br>26.7<br>23.8 | 27.2<br>35<br>36.4   | 45    | 68<br>76.2<br>75   | 3<br>3.35<br>3.6 |
|             | B                | -                 | -                    | -                         | -     | -                  | -       | 198<br>330<br>380  | 25.2<br>21.8<br>19.4 | 22.1<br>28.3<br>29.1 | 37    | 61.5<br>69.3<br>69 | 3<br>3.2<br>3.4  |
|             | C                | -                 | -                    | -                         | -     | -                  | -       | 182<br>303<br>348  | 21.2<br>18.3<br>16.3 | 18.1<br>23.6<br>24.9 | 30    | 58<br>64<br>62     | 3<br>3.1<br>3.25 |
| 200-150-400 | O                | -                 | -                    | -                         | -     | -                  | -       | 240<br>400<br>460  | 55<br>50<br>45       | 48.6<br>67.2<br>74.2 | 90    | 74<br>81<br>76     | 3<br>3.8<br>4.5  |
|             | A                | -                 | -                    | -                         | -     | -                  | -       | 224<br>373<br>429  | 47.7<br>43.4<br>39.1 | 39.8<br>55.2<br>62   | 75    | 73<br>79.8<br>73.5 | 3<br>3.6<br>4.1  |
|             | B                | -                 | -                    | -                         | -     | -                  | -       | 209<br>348<br>401  | 41.7<br>37.9<br>34.1 | 33<br>45.8<br>51.7   | 75    | 72<br>78.6<br>72   | 3<br>3.4<br>3.8  |
|             | C                | -                 | -                    | -                         | -     | -                  | -       | 194<br>324<br>373  | 36.1<br>32.8<br>29.5 | 26.9<br>37.6<br>42.5 | 55    | 71<br>77<br>70.5   | 3<br>3.25<br>3.9 |
| 250-200-315 | Z                | 380<br>630<br>760 | 41<br>38<br>35       | 59.74<br>77.12<br>86.2    | 110   | 71<br>84.5<br>84   | 5.5     | -                  | -                    | -                    | -     | -                  | -                |
|             | O                | 380<br>630<br>760 | 35.5<br>32<br>29     | 51.72<br>64.95<br>71.43   | 90    | 71<br>84.5<br>84   | 5.5     | -                  | -                    | -                    | -     | -                  | -                |
|             | A                | 360<br>590<br>720 | 31.6<br>28.5<br>25.8 | 44.56<br>55.15<br>61.29   | 75    | 69.5<br>83<br>82.5 | 5.4     | -                  | -                    | -                    | -     | -                  | -                |
|             | B                | 340<br>560<br>670 | 27.7<br>25<br>22.6   | 37.43<br>46.48<br>50.58   | 75    | 68.5<br>82<br>81.5 | 5.3     | -                  | -                    | -                    | -     | -                  | -                |
| 250-200-400 | Z                | 380<br>630<br>760 | 56.3<br>54.5<br>51.5 | 82.03<br>110.61<br>129.15 | 160   | 71<br>84.5<br>82.5 | 5.5     | -                  | -                    | -                    | -     | -                  | -                |
|             | O                | 380<br>630<br>760 | 52<br>50<br>46.7     | 75.76<br>101.48<br>117.11 | 132   | 71<br>84.5<br>82.5 | 5.5     | -                  | -                    | -                    | -     | -                  | -                |
|             | A                | 360<br>600<br>720 | 46.8<br>45<br>42     | 65.99<br>88.55<br>101.63  | 110   | 69.5<br>83<br>81   | 5.4     | -                  | -                    | -                    | -     | -                  | -                |
|             | B                | 340<br>560<br>680 | 41.6<br>40<br>37.4   | 56.21<br>74.36<br>86.54   | 110   | 68.5<br>82<br>80   | 5.3     | -                  | -                    | -                    | -     | -                  | -                |
|             | C                | 320<br>530<br>640 | 36.4<br>35<br>32.7   | 46.98<br>62.34<br>72.11   | 90    | 67.5<br>81<br>79   | 5.1     | -                  | -                    | -                    | -     | -                  | -                |

TECHNICAL DATA

| MODEL       | n=2900r/min      |                     |                      |                            |       |                      |         | n=1450r/min |           |       |       |          |         |
|-------------|------------------|---------------------|----------------------|----------------------------|-------|----------------------|---------|-------------|-----------|-------|-------|----------|---------|
|             | Impeller<br>form | Flow<br>Q           | Head<br>H            | Power                      |       | Eff<br>η             | (NPSH)r | Flow<br>Q   | Head<br>H | Power |       | Eff<br>η | (NPSH)r |
|             |                  |                     |                      | Shaft                      | Motor |                      |         |             |           | Shaft | Motor |          |         |
|             |                  | m3/h                | m                    | kW                         | kW    | %                    | m       | m3/h        | m         | kW    | kW    | %        | m       |
| 300-250-315 | Z                | 600<br>1000<br>1200 | 43.8<br>37.5<br>34   | 99.36<br>118.7<br>129.15   | 160   | 72<br>86<br>86       | 7.5     | -           | -         | -     | -     | -        | -       |
|             | O                | 600<br>1000<br>1200 | 38<br>32<br>28       | 86.2<br>101.29<br>107.6    | 132   | 72<br>86<br>85       | 7.5     | -           | -         | -     | -     | -        | -       |
|             | A                | 570<br>940<br>1130  | 33.8<br>28.5<br>24.8 | 74.39<br>86.82<br>91.36    | 110   | 70.5<br>84<br>83.5   | 7.3     | -           | -         | -     | -     | -        | -       |
|             | B                | 530<br>880<br>1060  | 29.7<br>25<br>21.9   | 61.66<br>72.16<br>76.6     | 90    | 69.5<br>83<br>82.5   | 7.1     | -           | -         | -     | -     | -        | -       |
| 300-250-400 | Z                | 600<br>1000<br>1200 | 66.5<br>65<br>62     | 148.79<br>205.75<br>241.1  | 250   | 73<br>86<br>84       | 7.5     | -           | -         | -     | -     | -        | -       |
|             | O                | 600<br>1000<br>1200 | 53.5<br>50<br>47.2   | 119.76<br>158.26<br>183.56 | 200   | 73<br>86<br>84       | 7.5     | -           | -         | -     | -     | -        | -       |
|             | A                | 570<br>950<br>1140  | 48<br>45<br>42.5     | 104.9<br>138.54<br>160.84  | 200   | 71<br>84<br>82       | 7.3     | -           | -         | -     | -     | -        | -       |
|             | B                | 540<br>890<br>1070  | 42.8<br>40<br>37.7   | 89.24<br>116.06<br>135.57  | 160   | 70.5<br>83.5<br>81   | 7.1     | -           | -         | -     | -     | -        | -       |
|             | C                | 500<br>840<br>1000  | 37.5<br>35<br>33     | 73.44<br>97.01<br>112.29   | 132   | 69.5<br>82.5<br>80   | 7       | -           | -         | -     | -     | -        | -       |
| 350-300-315 | O                | 960<br>1600<br>1920 | 38.4<br>32<br>26.5   | 130.33<br>163.97<br>168.91 | 200   | 77<br>85<br>82       | 11      | -           | -         | -     | -     | -        | -       |
|             | A                | 910<br>1510<br>1810 | 34.2<br>28.5<br>23.6 | 112.96<br>141.15<br>145.35 | 160   | 75<br>83<br>80       | 10.8    | -           | -         | -     | -     | -        | -       |
|             | B                | 850<br>1410<br>1700 | 30<br>25<br>20.5     | 93.81<br>117.75<br>120.08  | 132   | 74<br>81.5<br>79     | 10.5    | -           | -         | -     | -     | -        | -       |
| 350-300-400 | O                | 960<br>1600<br>1920 | 56.5<br>50<br>44     | 191.75<br>250.32<br>273.77 | 280   | 77<br>87<br>84       | 11      | -           | -         | -     | -     | -        | -       |
|             | A                | 910<br>1520<br>1820 | 50.8<br>45<br>39.5   | 166.68<br>217.78<br>237.21 | 250   | 75.5<br>85.5<br>82.5 | 10.8    | -           | -         | -     | -     | -        | -       |
|             | B                | 860<br>1430<br>1720 | 45.2<br>40<br>35.2   | 141.09<br>184.27<br>202.22 | 250   | 75<br>84.5<br>81.5   | 10.5    | -           | -         | -     | -     | -        | -       |
|             | C                | 800<br>1340<br>1720 | 39.5<br>35<br>30.8   | 116.25<br>152.9<br>167.69  | 200   | 74<br>83.5<br>80.5   | 10.2    | -           | -         | -     | -     | -        | -       |

STRUCTURAL DIAGRAM OF THE PUMP OF YS(M) SERIES

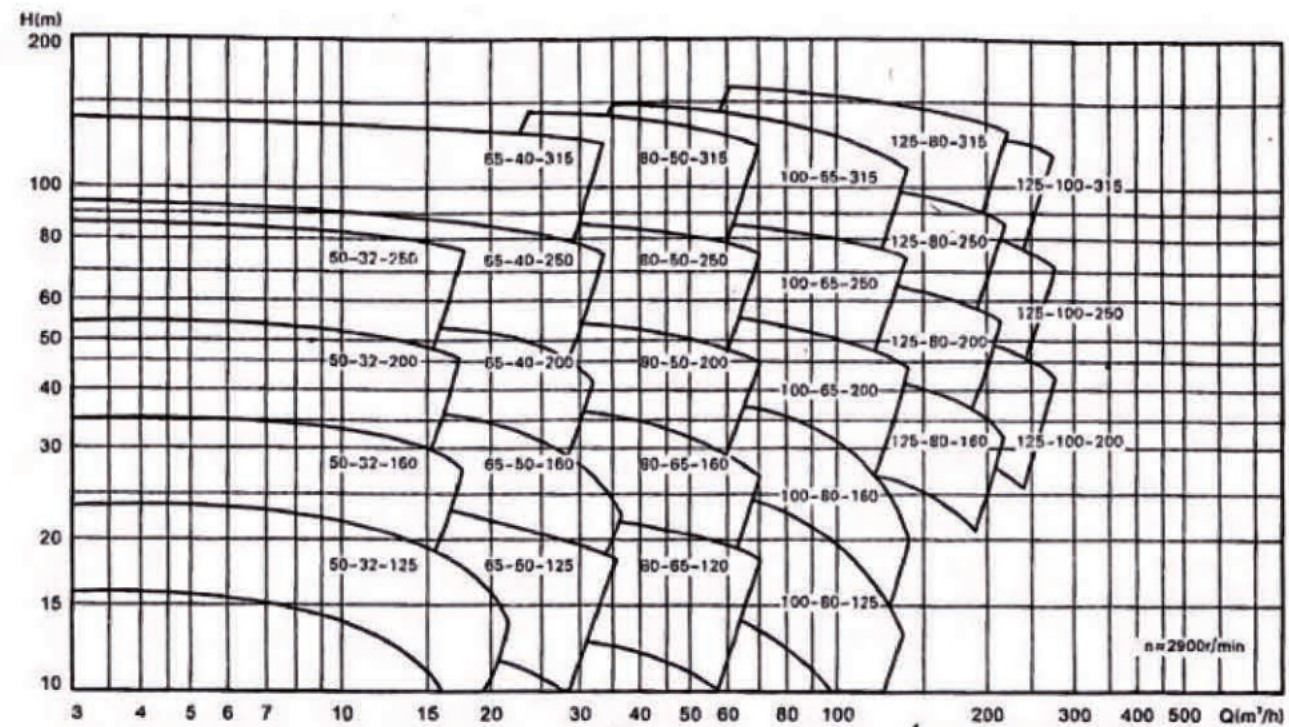
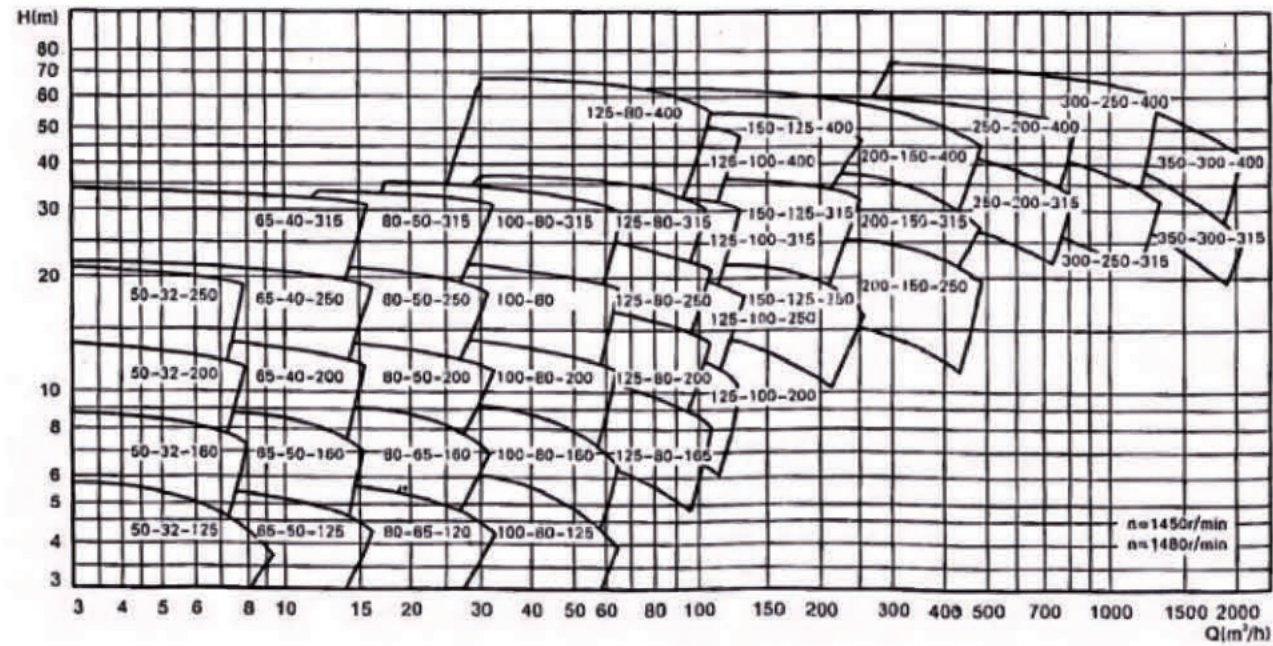


| No. | Description     |
|-----|-----------------|
| 1   | Pump body       |
| 2   | Impeller nuts   |
| 3   | Clamping washer |
| 4   | Seal ring       |
| 5   | Impeller        |
| 6   | Pump cover      |

| No. | Description           |
|-----|-----------------------|
| 7   | Axle box              |
| 8   | Packing ring          |
| 9   | Staffing              |
| 10  | Gland                 |
| 11  | Pendant bearing parts |
| 12  | Shaft                 |



PERFORMANCE CURVE



# VATTURE

DE

Diesel Engine For Pump





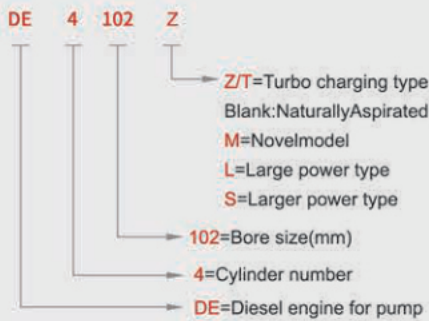
BRIEF INTRODUCTION

DESCRIPTION

- ♦ Air-cooled 1-cylinder in-line naturally aspirated engines
- ♦ Water-cooling 3-to 6-cylinder naturally and turbo engines
- ♦ Advanced direct injection and combustion system
- ♦ Extremely compact dimensions, easy to assemble
- ♦ Noise-optimized technology, stronger power
- ♦ Meeting China III emission standard
- ♦ Low fuel consumption, environmental protective

MODEL CODE

FOR EXCA MPLLE



TECHNICAL DATA

| Model                    | 178                                                                                                              | 186            | 188            | 192            | 380                   | 385    | 480   | 485    | 490N□  | 490    | 495    | 498    | 4102    | 4105    | 4108    |
|--------------------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|-----------------------|--------|-------|--------|--------|--------|--------|--------|---------|---------|---------|
| Type                     | 4 strokes,Air cooling                                                                                            |                |                |                | 4 strokes,Air cooling |        |       |        |        |        |        |        |         |         |         |
| Intake Type              | Naturally Aspirated                                                                                              |                |                |                |                       |        |       |        |        |        |        |        |         |         |         |
| Bore*Stroke(mm)          | 78*62                                                                                                            | 86*72          | 88*75          | 92*75          | 80*90                 | 85*90  | 80*90 | 85*100 | 90*100 | 90*105 | 95*105 | 98*105 | 102*118 | 105*118 | 108*118 |
| Cylinder No.             | 1                                                                                                                | 1              | 1              | 1              | 3                     | 3      | 4     | 4      | 4      | 4      | 4      | 4      | 4       | 4       | 4       |
| Displacement             | 0.296L                                                                                                           | 0.418L         | 0.456L         | 0.499L         | 1.357L                | 1.532L | 1.8L  | 2.27L  | 2.54L  | 2.67L  | 2.977L | 3.168L | 3.857L  | 4.087L  | 4.324L  |
| r/min                    | 3000<br>3600                                                                                                     | 3000<br>3600   | 3000<br>3600   | 3000<br>3600   | 3000                  | 3000   | 3000  | 3000   | 3000   | 3000   | 3000   | 3000   | 3000    | 3000    | 3000    |
| Rated kW                 | 3.7kW<br>4.0kW                                                                                                   | 5.7kW<br>6.3kW | 6.6kW<br>7.2kW | 7.5kW<br>8.2kW | 20kW                  | 24kW   | 28kW  | 36kW   | 42kW   | 45kW   | 50kW   | 54kW   | 62kW    | 67kW    | 73kW    |
| Rated HP                 | 5.0HP<br>5.5HP                                                                                                   | 7.8HP<br>8.6HP | 9HP<br>10HP    | 10.2HP<br>12HP | 27HP                  | 32HP   | 38HP  | 49HP   | 58HP   | 61HP   | 68HP   | 73HP   | 85HP    | 91HP    | 99HP    |
| Fuel Consumption(g/kw.h) | 280.3<br>282.5                                                                                                   | 273.5<br>285.7 | 273.5<br>285.7 | 275<br>281     | 228                   | 228    | 215   | 228    | 228    | 228    | 228    | 228    | 228     | 238     | 238     |
| Start Voltage            | 12V                                                                                                              | 12V            | 12V            | 12V            | 12V                   | 12V    | 12V   | 12V    | 12V    | 12V    | 12V    | 12V    | 12V     | 24V     | 24V     |
| Speed regulation type    | Mechanical                                                                                                       |                |                |                |                       |        |       |        |        |        |        |        |         |         |         |
| Including                | Radiator, Fan, Starter, charge alternator, Air filter, Muffler, Stop Solenoid, PTO shaft, Fuel Tank, Meter Panel |                |                |                |                       |        |       |        |        |        |        |        |         |         |         |

TECHNICAL DATA

| Model                    | 485Z                                                                                                             | 490NZ  | 498Z   | 4102Z   | 4105Z   | 4108Z   | 490T   | 4108T   | 4108TL  | 6102NT    | 6102T          | 6102TL  | 6126T      | 6126TL  | 6126TS  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|--------|--------|---------|---------|---------|--------|---------|---------|-----------|----------------|---------|------------|---------|---------|
| Type                     | Direct Injection,4 strokes, Water-cooling                                                                        |        |        |         |         |         |        |         |         |           |                |         |            |         |         |
| Intake Type              | Turbo-charging                                                                                                   |        |        |         |         |         |        |         |         | Naturally | Turbo-charging |         |            |         |         |
| Bore*Stroke(mm)          | 85*100                                                                                                           | 90*100 | 98*105 | 102*118 | 105*118 | 108*118 | 90*102 | 108*125 | 108*125 | 102*118   | 102*118        | 102*118 | 126*130    | 126*130 | 126*155 |
| Cylinder No.             | 4                                                                                                                | 4      | 4      | 4       | 4       | 4       | 4      | 4       | 4       | 6         | 6              | 6       | 6          | 6       | 6       |
| Displacement             | 2.27L                                                                                                            | 2.54L  | 3.168L | 3.857L  | 4.087L  | 4.324L  | 2.6L   | 3.8L    | 3.8L    | 5.78L     | 5.78L          | 5.78L   | 9.726L     | 9.726L  | 9.726L  |
| r/min                    | 3000                                                                                                             | 3000   | 3000   | 3000    | 3000    | 3000    | 3000   | 3000    | 3000    | 3000      | 3000           | 3000    | 3000       | 3000    | 3000    |
| Rated kW                 | 44KW                                                                                                             | 50KW   | 60KW   | 73KW    | 75KW    | 83KW    | 55KW   | 75KW    | 90KW    | 110KW     | 125KW          | 165KW   | 200KW      | 250KW   | 300KW   |
| Rated HP                 | 60HP                                                                                                             | 68HP   | 81HP   | 99HP    | 102HP   | 113HP   | 75HP   | 100HP   | 125HP   | 150HP     | 170HP          | 225HP   | 270HP      | 340HP   | 410HP   |
| Fuel Consumption(g/kw.h) | 228                                                                                                              | 228    | 228    | 238     | 238     | 238     | 228    | 218     | 218     | 229       | 229            | 229     | 250        | 250     | 250     |
| Start Voltage            | 12V                                                                                                              | 12V    | 12V    | 24V     | 24V     | 24V     | 12V    | 24V     | 24V     | 24V       | 24V            | 24V     | 24V        | 24V     | 24V     |
| Speed regulation type    | Mechanical                                                                                                       |        |        |         |         |         |        |         |         |           |                |         | Electronic |         |         |
| Including                | Radiator, Fan, Starter, charge alternator, Air filter, Muffler, Stop Solenoid, PTO shaft, Fuel Tank, Meter Panel |        |        |         |         |         |        |         |         |           |                |         |            |         |         |

DP Diesel water pump(aluminum)



DESCRIPTION

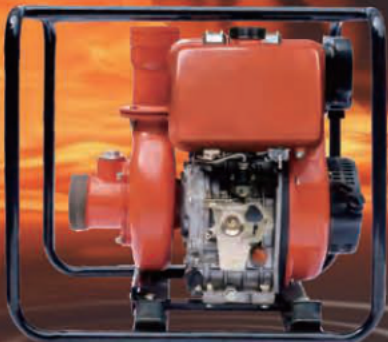
- ♦ The unit integrated design, users only need to connect inlet/outlet pipe before use.
- ♦ Reliable and durable with safe and reliable engine and enhanced pump structure.
- ♦ Low fuel consumption match with air-cooled diesel engine, let you enjoy the value.
- ♦ High head of delivery, fast suction, with powerful engine and vortex impeller design.
- ♦ Convenient maintenance, with free maintenance battery.

TECHNICAL DATA

| MODEL                           | DP20/E                     | DP30/E      | DP30/E      | DP40/E      | DP60/E      |
|---------------------------------|----------------------------|-------------|-------------|-------------|-------------|
| Suction discharge port diameter | 50(2")                     | 80(3")      | 80(3")      | 100(4")     | 150(6")     |
| Discharge Capacity(L/min)       | 600                        | 1000        | 1000        | 1600        | 2500        |
| Lift head(m)                    | 18                         | 18          | 19          | 21          | 21          |
| Suction head(m)                 | 8                          | 8           | 8           | 8           | 8           |
| Priming time(s/m)               | 70                         | 120         | 120         | 180         | 180         |
| Rotation speed(rpm)             | 3600                       | 3600        | 3600        | 3600        | 3600        |
| Fuel consumption(g/kwh)         | ≤275                       | ≤275        | ≤275        | ≤275        | ≤275        |
| Small fuel tank capacity(L)     | 2.5                        | 2.5         | 3.5         | 5.5         | /           |
| Big fuel tank capacity(L)       | 12.5                       | 12.5        | 12.5        | 12.5        | 12.5        |
| Small fuel tank net weight(kg)  | 35                         | 38          | 45          | 62          | /           |
| Big fuel tank net weight(kg)    | 40                         | 43          | 52          | 69          | 155         |
| Small fuel tank size(mm)        | 500x420x530                | 500x420x530 | 570x465x560 | 660x480x610 | /           |
| Big fuel tank size(mm)          | 510x460x665                | 535x460x665 | 570x465x705 | 660x490x740 | 790x600x800 |
| Engine                          | 173F                       | 173F        | 178F        | 186FA       | 192F        |
| Power(kw)/3600rpm               | 3.6                        | 3.6         | 4.0         | 6.6         | 8.2         |
| Displacement(L)                 | 0.247                      | 0.247       | 0.296       | 0.418       | 0.499       |
| Starting system                 | Manual or electrical start |             |             |             |             |



DP High pressure diesel water pump



DP(HC) HIGH PRESSURE CAST IRON

DP(H) HIGH RESSURE

DESCRIPTION

- ◆ The unit integrated design, users only need to connect inlet/outlet pipe before use.
- ◆ Reliable and durable with safe and reliable engine and enhanced pump structure.
- ◆ Low fuel consumption match with air-cooled diesel engine, let you enjoy the value.
- ◆ High head of delivery, fast suction, with powerful engine and vortex impeller design.
- ◆ Convenient maintenance, with free maintenance battery

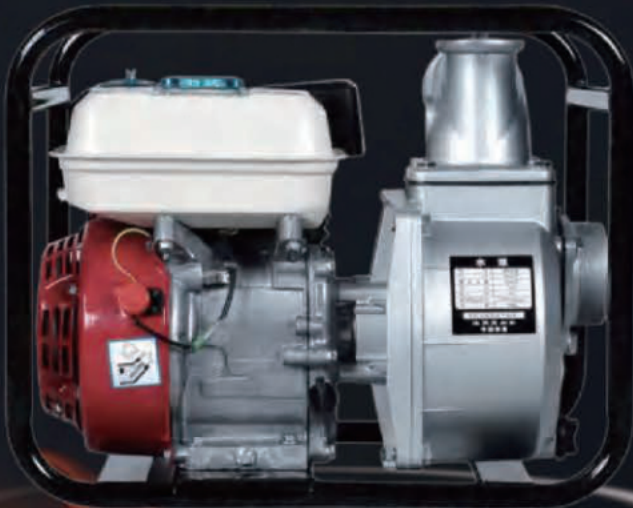
TECHNICAL DATA

| MODEL                                | DP20H                            | DP30H                            |
|--------------------------------------|----------------------------------|----------------------------------|
| Suction discharge port diameter (mm) | Inlet50(2")<br>Outlet2x1.5"+1x2" | Inlet80(3") Outlet 1x1.5"+1x2.5" |
| Discharge capacity (L/min)           | 600                              | 1000                             |
| Lift head (m)                        | 70                               | 70                               |
| Suction head (m)                     | 8                                | 8                                |
| Priming time (s/m)                   | 180                              | 200                              |
| Rotation speed (rpm)                 | 3600                             | 3600                             |
| Engine                               | 178F                             | 186FA                            |
| Power (kw)                           | 4.0                              | 6.6                              |
| Displacement (L)                     | 0.296                            | 0.418                            |
| Fuel tank capacity (L)               | 3.5                              | 5.5                              |
| Fuel consumption (g/kwh)             | ≤275                             | ≤275                             |
| Starting system                      | Manual or electrical start       |                                  |
| Packing size (mm)                    | 570x465x560                      | 660x480x610                      |
| Net weight (kg)                      | 50                               | 65                               |

| MODEL                                | DP20HC                     | DP30HC      |
|--------------------------------------|----------------------------|-------------|
| Suction discharge port diameter (mm) | 50 (2")                    | 80 (3")     |
| Discharge capacity (L/min)           | 500                        | 700         |
| Lift head (m)                        | 75                         | 75          |
| Suction head (m)                     | 8                          | 8           |
| Priming time (s/m)                   | 120                        | 180         |
| Rotation speed (rpm)                 | 3600                       | 3600        |
| Engine                               | 178F                       | 186FA       |
| Power (kw)                           | 4.0                        | 6.6         |
| Displacement (L)                     | 0.296                      | 0.418       |
| Fuel tank capacity (L)               | 3.5                        | 5.5         |
| Fuel consumption (g/kwh)             | ≤275                       | ≤275        |
| Starting system                      | Manual or electrical start |             |
| Packing size (mm)                    | 457x447x557                | 650x478x605 |
| Net weight (kg)                      | 47                         | 66          |

VATTURE

WP Portable gasoline pump





DESCRIPTION

- ◆ Perfect performance, good self-priming performance, small size, easy to install and use, with advanced micro engine ,ensure the effective combustion.
- ◆ Economical and practical.light weight design, silent,low temperature starting,because of these advantages, it is wildly used in gardens, highways, agricultural irrigation, fire protection etc.
- ◆ Widely used in agricultural irrigation, drainage irigation, in addition, gasoline pump is especially suitable for industrial water supply, urban drinking watersupply, fire protection, high pressure washing and so on.

TECHNICAL DATA

| MODEL                               | WP20X       | WP30X       | WP40X       | PTG205      | PTG310      |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Suction discharge port diameter(mm) | 50(2")      | 80(3")      | 100(3.94")  | 50(2")      | 80(3")      |
| Discharge capacity(m³/h)            | 22          | 30          | 40          | 22          | 30          |
| Lift head[m(ft)]                    | 26(85.3)    | 25(82.02)   | 28(91.86)   | 26(35.3)    | 25(82.02)   |
| Suction head[m(ft)]                 | 8(26.25)    | 8(26.26)    | 8(26.26)    | 8(26.25)    | 8(26.25)    |
| Priming time(s/4m)                  | 80          | 120         | 80          | 80          | 80          |
| Rotation speed(rpm)                 | 3600        | 3600        | 3600        | 3600        | 3600        |
| Engine                              | GX160       | GX160       | GX270       | EY20D       | EY20D       |
| Rated power[kw(hp)]                 | 3.1         | 3.1         | 5.5         | 2.4         | 2.4         |
| Rated speed(rpm)                    | 3600        | 3600        | 3600        | 3600        | 3600        |
| Displacement[cc(cu.in)]             | 163(9.95)   | 163(9.95)   | 277(16.9)   | 183         | 183         |
| Fuel consumption[g(ml)kw.h]         | 395(533.78) | 395(533.78) | 374(505.4)  | 395(533.78) | 395(533.78) |
| Net weight(kg)                      | 22          | 24          | 36          | 25          | 26          |
| Size(mm)                            | 485x375x385 | 515x375x435 | 605x515x570 | 535x365x460 | 535x365x460 |