

VATTURE®

PUMP VERY GOOD

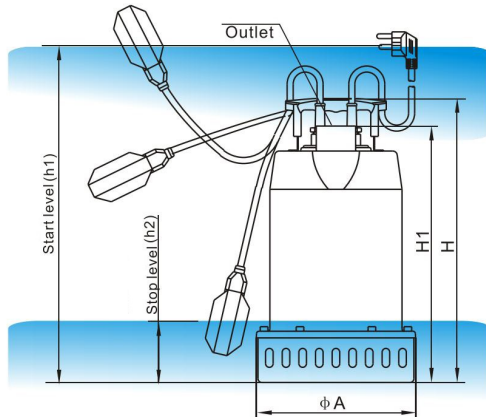
■ Listed PUMP:



VATTURE®

SMALL SUBMERSIBLE PUMP
BEST

Overall dimension



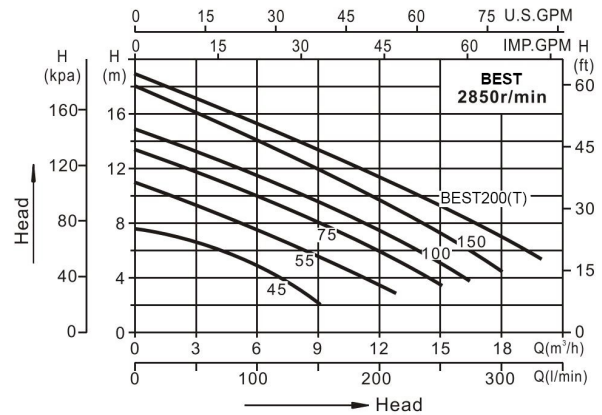
Model	H	H1	h1	h2	A
BEST-45MA	273	231	340	80	167
BEST-55MA	360	324	415	80	211
BEST-75MA	360	324	415	80	211
BEST-100MA	360	324	415	80	211
BEST-150MA/T	375	339	445	80	211
BEST-200MA/T	375	339	445	80	211



Model Explanation

BEST 55 T MA
 A: Swing type, B: Vertical type
 (No float switch, no letters)
 Single-phase, three-phase without
 Three phase
 P2(HP) Power
 Small submersible pump

Performance curves



※Electric pump with float switch for liquid level control.



High efficiency / Energy saving / Sturdy / Durable



Double shaft seal

Technical parameter list

Features

- ◆ Open impeller, suit to < 10mm solid particle.
- ◆ High temperatur bearing.
- ◆ Copper winding.
- ◆ Stainless steel housing, no rust.
- ◆ Single phase motor is equipped with USA T1 thermal protector.
- ◆ 10 meters cable.

Model	Power(P2) KW	(Amps)		Hmax (m)	Qmax (m³/h)	Outlet	G.W (Kg)	Packing size (mm)
		220V/50Hz	380V/50Hz					
BEST-45MA	0.25	1.9	—	7.5	9	G1 or G1.25	5.5	210×185×320
BEST-55MA	0.37	2.6	1.1	11	13	G1.5	9.6	420×260×300
BEST-75MA	0.55	3.8	1.4	13.5	15	G1.5	9.8	420×260×300
BEST-100MA	0.75	5.2	1.8	15	16.5	G1.5	10.5	420×260×300
BEST-150MA/T	1.1	7.0	2.6	18	18	G1.5	12	420×260×300
BEST-200MA/T	1.5	9.2	3.5	19	20	G1.5	13	420×260×300

Application

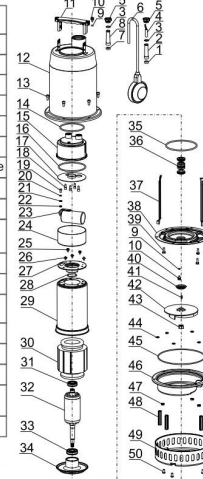
- ◆ Suitable for clean water, sewage.
- ◆ Farming, forestry, fishery water supply, circulation, and water changing.
- ◆ Equipment for Gardening, Aquarium, Landscape waterfall, Water drainage and filtration.

Working conditions

Medium temperature: 0~+50℃

Diving depth: ≤5m

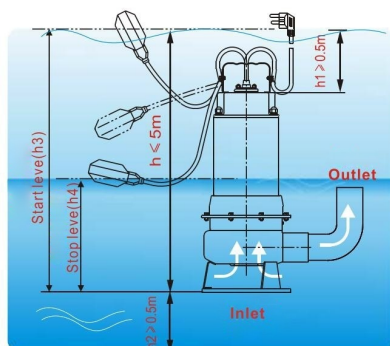
NO.	Name
1	The fixed clip of Cable
2	Cable head
3	Cable clamp
4	Cable
5	Press nut
6	Float switch
7	The fixed clip of Cabled clip of Cable
8	Cable head
9	O-ring
10	Cross recessed pan head screws
11	Handle
12	Housing assembly
13	Hexagon socket head cap screw
14	O-ring
15	Capacitor cover
16	O-ring
17	Upper part of terminal box
18	Terminal



NO.	Name
19	Cross recessed pan head screws
20	Spring washer
21	Washer
22	Serrated lock washer external teeth
23	Capacitor
24	Bottom part of terminal box
25	Cross recessed pan head screw and washer assemble
26	Cross recessed pan head screws
27	Back Cover
28	The three wave
29	Motor base
30	Stator assembling
31	Bearing
32	Rotor assembling
33	Bearing
34	Front Cover
35	O-ring

NO.	Name
36	Mechanical Seal
37	Tension rod
38	Pump Casing
39	Cross recessed pan head screws
40	Protective cover
41	Key
42	Impeller
43	Hexagon Nut
44	Washer
45	O-ring
46	Pump casing
47	Hexagon Nut
48	Base connection block
49	Base
50	Cross recessed pan head screws

Installation diagram



h: Maximum diving depth

h1: Electric pump from the water surface and minimum distance

h2: Electric pump from the bottom of the minimum distance

Model	h3	h4
DWM-75F/T	480	230
DWM-100F/T	495	230
DWM-130F/T	510	230
DWM-150F/T	535	260
DWM-200F/T	555	260
DWM-300F/T	585	270

Model Explanation

DWM T 150 F/T

- With float switch
- F: single-phase (no F for three-phase)
- P2(HP)=150x0.01=1.5HP
- T: Flange water outlet (No T for threaded water outlet)
- Stainless steel submersible sewage pump



Features

- Stainless steel open impeller, strong flow capacity.
- High temperature bearing.
- Copper winding.
- Water contact parts are all stainless steel, no rust.
- Single phase motor is equipped with USA TI thermal protector.
- 10 meters cable.



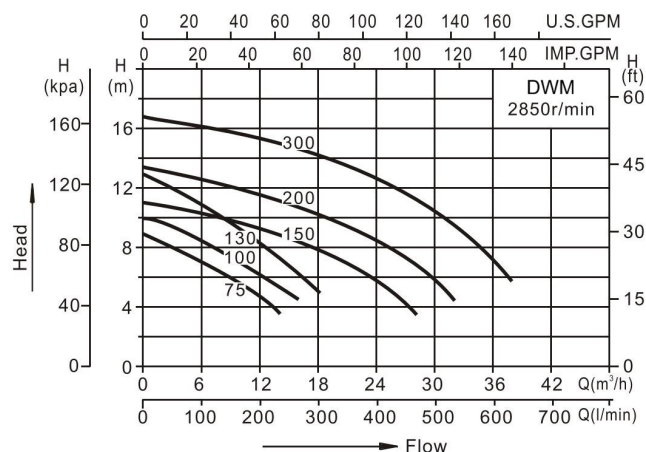
Application

- Suitable for clean water, sewage.
- Farming, forestry, fishery water supply, circulation, and water changing.
- Equipment for Gardening, Aquarium, Landscape waterfall, Water drainage and filtration.

Working conditions

Medium temperature: 0~+50°C
Diving depth: ≤5m

Performance curves



Diameter of soft solid that can pass through:
0.55~1.0kW≤30mm;
1.1~2.2kW≤50mm.

High efficiency / Energy saving / Sturdy / Durable

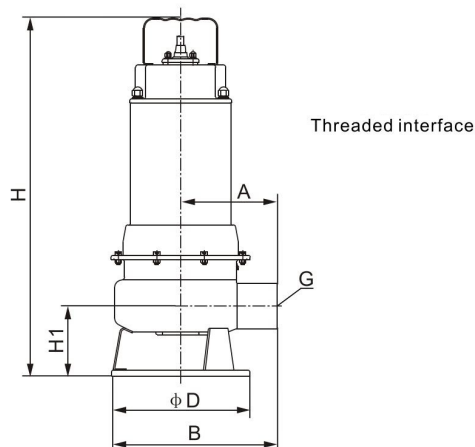
Technical parameter list

Model	Power(P2) kW	(Amps)		Qmax (m³/h)	Hmax (m)	Rated flow (m³/h)	Rated head (m)	Outlet	G.W (Kg)	Packing size (mm)
		220V/50Hz	380V/50Hz							
DWM-75F/T	0.55	3.8	1.4	14	9	7	7	G1.5	10.3	475×240×245
DWM-100F/T	0.75	5.2	1.8	16	10	10	7	G1.5	12	510×240×245
DWM-130F/T	1.0	6.2	2.4	18	13	10	9	G1.5	13.3	510×240×245
DWM-150F/T	1.1	7.0	2.6	28	11	20	7	G2	21	550×310×310
DWM-200F/T	1.5	9.2	3.5	32	13.5	25	8	G2	24	550×310×310
DWM-300F/T	2.2	14	4.9	38	16.5	30	10	G2	27	580×310×310

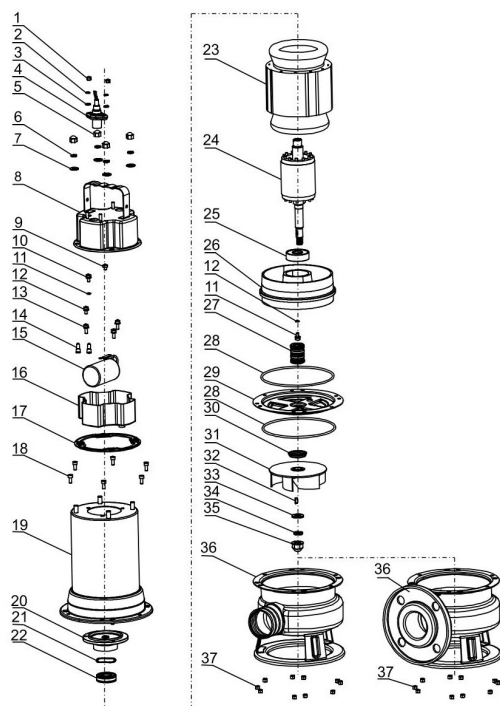
Double shaft seal



Overall dimension



Model	Shape size (mm)					
	A	B	D	H	H1	G
DWM-75F	124	209	φ170	424	85	G1.5
DWM-75T	124	209	φ170	424	85	G1.5
DWM-100F	124	209	φ170	424	85	G1.5
DWM-100T	124	209	φ170	424	85	G1.5
DWM-130F	124	209	φ170	440	85	G1.5
DWM-130T	124	209	φ170	440	85	G1.5
DWM-150F	133	228	φ190	482	96	G2
DWM-150T	133	228	φ190	482	96	G2
DWM-200F	133	228	φ190	500	96	G2
DWM-200T	133	228	φ190	482	96	G2
DWM-300F	133	228	φ190	532	96	G2
DWM-300T	133	228	φ190	500	96	G2



NO.	Name
1	Acorn nut
2	Spring washer
3	Washer
4	Cable assembly with head
5	Acorn nut
6	Spring washer
7	Washer
8	Upper cover
9	Cross recessed pan head screws
10	Cross recessed pan head screw and washer assemble
11	O-ring
12	Grounding Screw
13	Cross recessed pan head screw and washer assemble
14	Terminal
15	Capacitor
16	Capacitor cover
17	Plastic spacer
18	Hexagon socket head cap screw

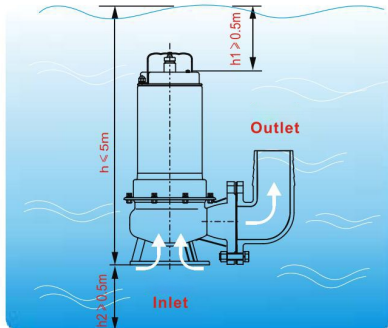
NO.	Name
19	Motor base
20	Rear flange cover
21	Three wave Ring
22	Bearing
23	Stator assembling
24	Rotor assembling
25	Bearings
26	Front Cover
27	Mechanical Seal
28	O-ring
29	Pump Cover
30	Protective cover
31	Impeller
32	Key
33	Washer
34	Spring washer
35	Acorn nut
36	Pump casing
37	Acorn nut

VATTURE®

STAINLESS STEEL STAMPING SUBMERSIBLE PUMP
DWMT



Installation diagram



h: Maximum diving depth

h1: Electric pump from the water surface and minimum distance

h2: Electric pump from the bottom of the minimum distance

Model Explanation

DWMT 35 - 7 - 2.2

- Power P:2.2kW
- Rated head:7m
- Rated flow:35m³/h
- DWMT series stainless steel submersible sewage pump

Features

- ◆ Flange outlet.
- ◆ Double channel impeller structure, strong flow capacity, can pass the diameter of 6~52mm suspended solid impurities.
- ◆ Copper winding.
- ◆ Water contact parts are all stainless steel, no rust.
- ◆ 10 meters cable.



Technical parameter list

Application

- ◆ Suitable for clean water, sewage.
- ◆ Farming, forestry, fishery water supply, circulation, and water changing
- ◆ Equipment for Gardening, Aquarium, Landscape waterfall, Water drainage and filtration.

Working conditions

Medium temperature: 0~+50℃
Diving depth: ≤5m

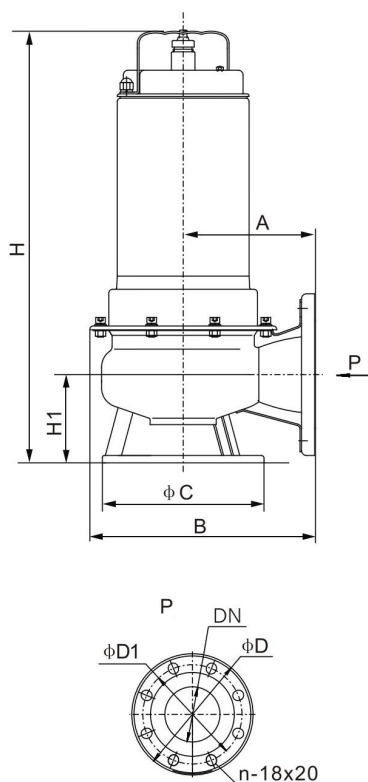
Model	Power (P2)kW	(Amps) 380V/50Hz	Q max (m ³ /h)	H max (m)	Rated flow (m ³ /h)	Rated head (m)	Max. particle size (mm)	Outlet flange	G.W (Kg)	Packing size (mm)
DWMT35-7-2.2	2.2	4.9	51	17	35	7	40	DN65	28.3	620×320×340
DWMT25-10-2.2	2.2	4.9	41	19.5	25	10	28	DN50	27.8	
DWMT15-15-2.2	2.2	4.9	41	19.5	15	15	25	DN50	27.5	
DWMT9-22-2.2	2.2	4.9	43	24	9	22	13	DN50	27.5	
DWMT50-7-3	3	6.5	70	17	50	7	30	DN80	30.8	
DWMT35-10-3	3	6.5	57	19.5	35	10	40	DN65	30.5	
DWMT25-15-3	3	6.5	62	22	25	15	35	DN65	30.3	
DWMT15-22-3	3	6.5	48	26.5	15	22	25	DN50	30.3	
DWMT75-7-4	4	8.2	115	19	75	7	52	DN100	50.3	690×390×395
DWMT50-10-4	4	8.2	85	20	50	10	42	DN80	49.8	
DWMT40-15-4	4	8.2	71	23	40	15	30	DN65	49.8	
DWMT25-22-4	4	8.2	50	32	25	22	22	DN50	49.8	
DWMT15-32-4	4	8.2	27	42	15	32	6	DN50	49.3	
DWMT100-7-5.5	5.5	11.1	123	21.5	100	7	52	DN100	52.8	
DWMT70-10-5.5	5.5	11.1	123	21.5	70	10	52	DN100	52.8	
DWMT50-15-5.5	5.5	11.1	92	25	50	15	42	DN80	52.3	
DWMT30-22-5.5	5.5	11.1	80	33	30	22	22	DN65	52.3	
DWMT18-32-5.5	5.5	11.1	51	43	18	32	22	DN50	51.8	
DWMT100-10-7.5	7.5	14.9	133	24	100	10	52	DN100	57.8	
DWMT70-15-7.5	7.5	14.9	133	24	70	15	52	DN100	57.8	
DWMT45-22-7.5	7.5	14.9	91	31	45	22	40	DN80	57.8	
DWMT30-32-7.5	7.5	14.9	83	39	30	32	22	DN65	57.3	
DWMT20-40-7.5	7.5	14.9	53	51	20	40	22	DN50	57.3	

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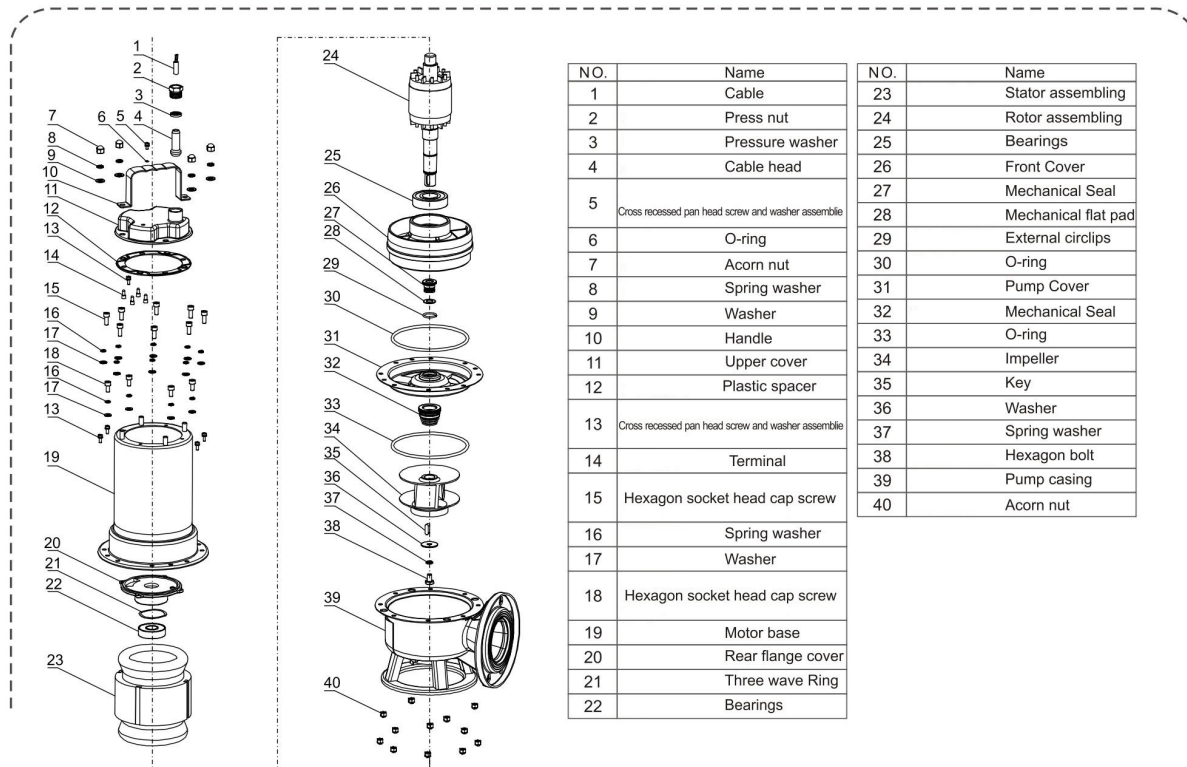
STAINLESS STEEL STAMPING SUBMERSIBLE PUMP
DWMT



Overall dimension

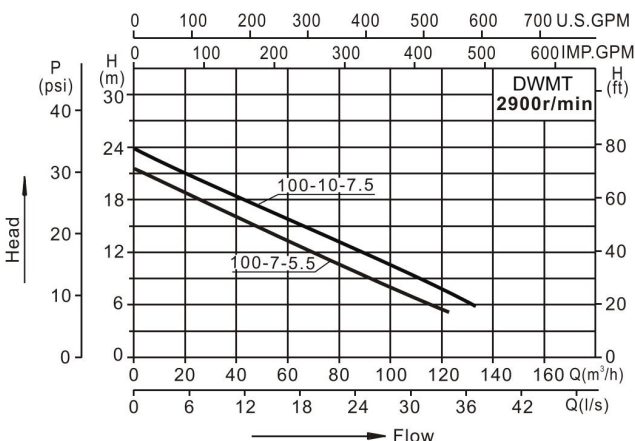
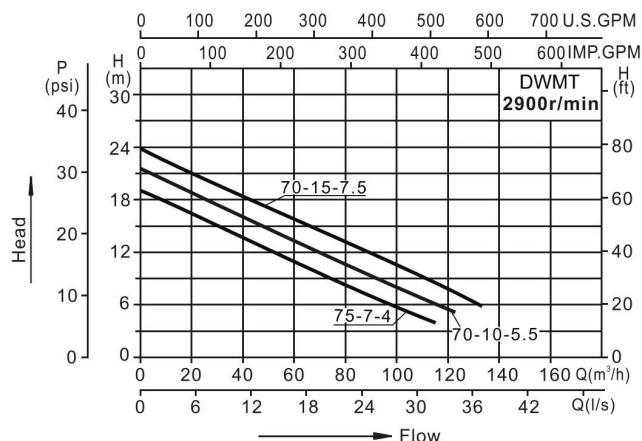
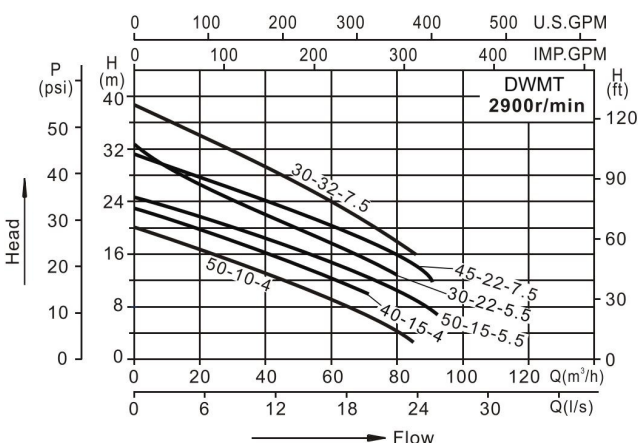
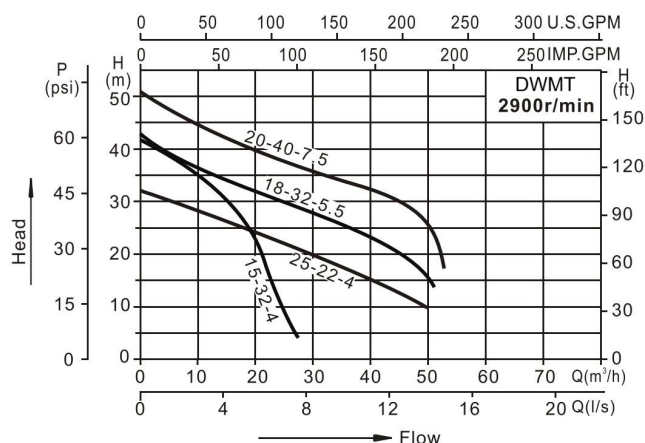
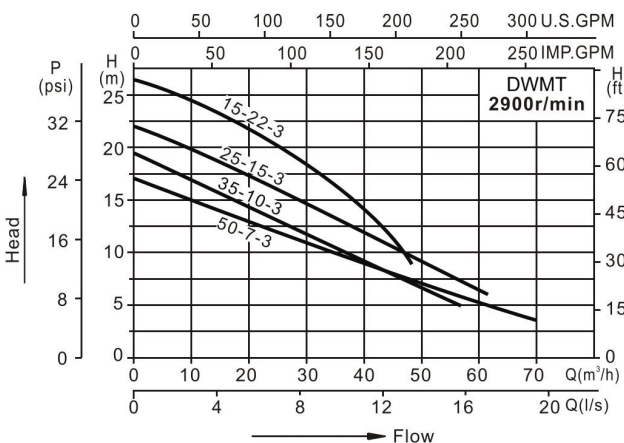
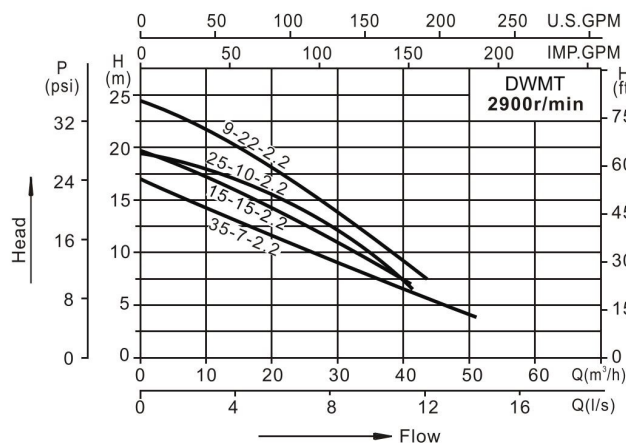


Model	Shape size (mm)				Flange size (mm)				
	A	B	C	H	H1	D	D1	DN	n
DWMT-35-7-2.2	145	240	190	514	110	185	145	65	4
DWMT-25-10-2.2	133	228			96	165	125	50	4
DWMT-15-15-2.2	133	228			96	165	125	50	4
DWMT-9-22-2.2	133	228			96	165	125	50	4
DWMT-50-7-3	145	240		546	110	200	160	80	8
DWMT-35-10-3	145	240			110	185	145	65	4
DWMT-25-15-3	145	240			110	185	145	65	4
DWMT-15-22-3	133	228			96	165	125	50	4
DWMT-75-7-4	180	307	220	580	120	220	180	100	8
DWMT-50-10-4	180	307			110	200	160	80	8
DWMT-40-15-4	180	307			110	185	145	65	4
DWMT-25-22-4	160	287			100	165	125	50	4
DWMT-15-32-4	160	287			100	165	125	50	4
DWMT-100-7-5.5	180	307			120	220	180	100	8
DWMT-70-10-5.5	180	307			120	200	160	100	8
DWMT-50-15-5.5	180	307			110	200	160	80	8
DWMT-30-22-5.5	180	307		110	185	145	65	4	
DWMT-18-32-5.5	160	287		100	165	125	50	4	
DWMT-100-10-7.5	180	307		610	120	220	180	100	8
DWMT-70-15-7.5	180	307			120	220	180	100	8
DWMT-45-22-7.5	180	307			110	200	160	80	8
DWMT-30-32-7.5	180	307			110	200	160	65	8
DWMT-20-40-7.5	160	287			100	165	125	50	4



NO.	Name	NO.	Name
1	Cable	23	Stator assembling
2	Press nut	24	Rotor assembling
3	Pressure washer	25	Bearings
4	Cable head	26	Front Cover
5	Cross recessed pan head screw and washer assemble	27	Mechanical Seal
6	O-ring	28	Mechanical flat pad
7	Acorn nut	29	External circlips
8	Spring washer	30	O-ring
9	Washer	31	Pump Cover
10	Handle	32	Mechanical Seal
11	Upper cover	33	O-ring
12	Plastic spacer	34	Impeller
13	Cross recessed pan head screw and washer assemble	35	Key
14	Terminal	36	Washer
15	Hexagon socket head cap screw	37	Spring washer
16	Spring washer	38	Hexagon bolt
17	Washer	39	Pump casing
18	Hexagon socket head cap screw	40	Acorn nut
19	Motor base		
20	Rear flange cover		
21	Three wave Ring		
22	Bearings		

Performance Curves

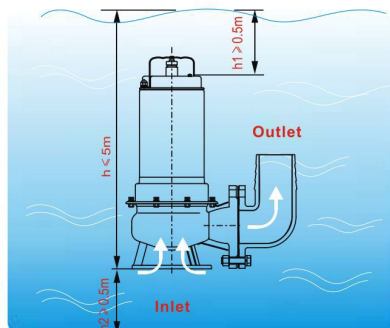


VATTURE®

STAINLESS STEEL STAMPING SUBMERSIBLE PUMP
DWMT



Installation diagram



h: Maximum diving depth

h1: Electric pump from the water surface and minimum distance

h2: Electric pump from the bottom of the minimum distance

Model Explanation

DWMT 150 - 15 - 11

- Power P2:11kW
- Rated head:15m
- Rated flow:150m³/h
- DWMT series stainless steel submersible sewage pump

Features

- ◆ Flange outlet.
- ◆ Double channel impeller structure, strong flow capacity, can pass the diameter of 17~52mm suspended solid impurities.
- ◆ Copper winding.
- ◆ Water contact parts are all stainless steel, no rust.
- ◆ 10 meters cable.



Application

- ◆ Suitable for clean water, sewage.
- ◆ Farming, forestry, fishery water supply, circulation, and water changing.

Working conditions

Medium temperature: 0~+50℃

Diving depth : ≤5m



Technical parameter list

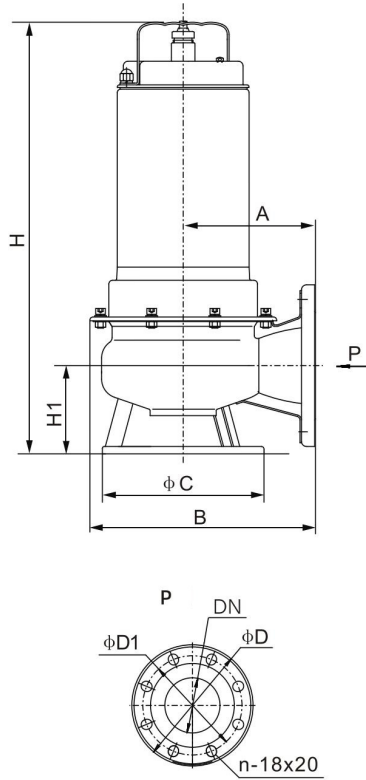
Model	Power (P ₂)kW	(Amps) 380V/50Hz	Rated flow (m ³ /h)	Rated head (m)	Max. particle size (mm)	Outlet flange	G.W (kg)	Packing size (mm)
DWMT 150-15-11	11	21.2	150	15	52	DN150	107	980×580×490
DWMT 100-25-11	11	21.2	100	25	42	DN100	102	930×540×490
DWMT 60-30-11	11	21.2	60	30	40	DN100	103	930×540×490
DWMT 40-40-11	11	21.2	40	40	28	DN80	97.5	915×500×480
DWMT 25-50-11	11	21.2	25	50	23	DN65	94	865×450×480
DWMT 150-20-15	15	28.6	150	20	52	DN150	119	980×580×490
DWMT 100-30-15	15	28.6	100	30	42	DN100	113	930×540×490
DWMT 60-40-15	15	28.6	60	40	40	DN100	113.3	930×540×490
DWMT 45-52-15	15	28.6	45	52	28	DN80	109	915×500×480
DWMT 30-60-15	15	28.6	30	60	23	DN65	106	865×450×480
DWMT 150-22-18.5	18.5	34.7	150	22	52	DN150	131	980×580×490
DWMT 100-36-18.5	18.5	34.7	100	36	42	DN100	125	930×540×490
DWMT 80-40-18.5	18.5	34.7	80	40	30	DN100	125	930×540×490
DWMT 60-45-18.5	18.5	34.7	60	45	25	DN80	121	915×500×480
DWMT 30-63-18.5	18.5	34.7	30	63	17	DN65	117	865×450×480

VATTURE®

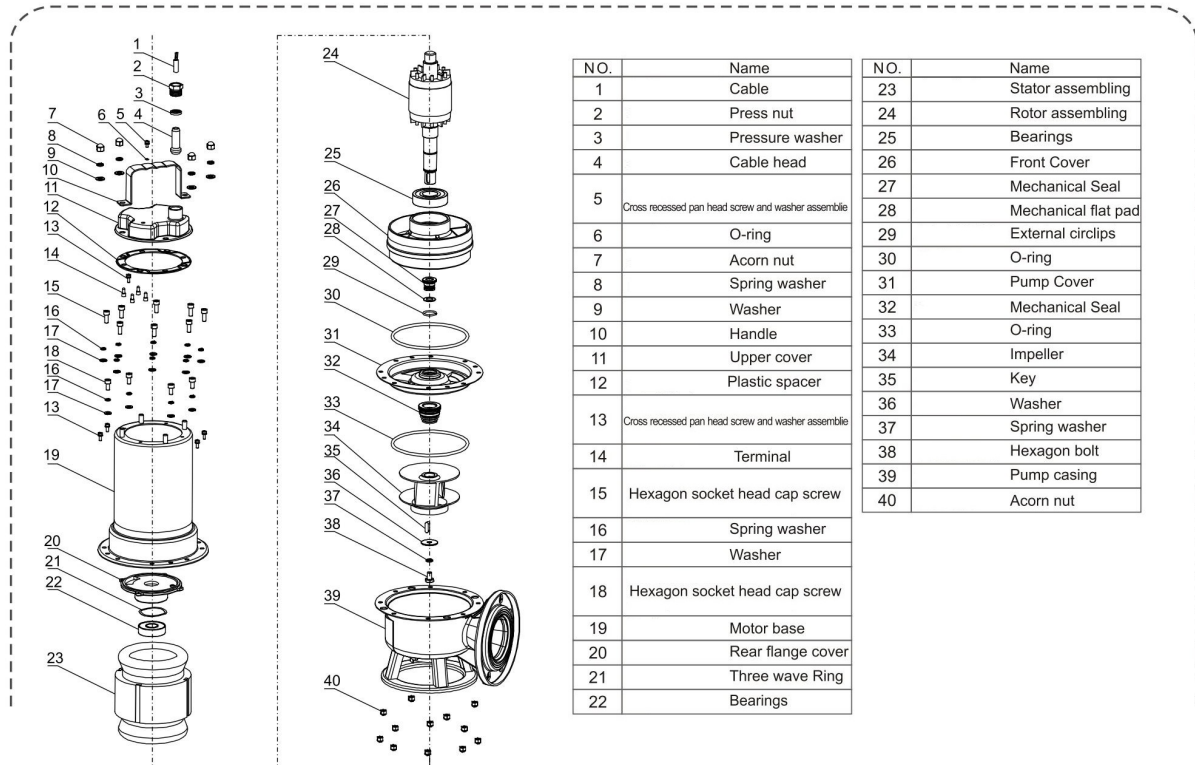
STAINLESS STEEL STAMPING SUBMERSIBLE PUMP
DWMT



Overall dimension



Model	Shape size (mm)					Flange size (mm)			
	A	B	C	H	H1	D	D1	DN	n
DWMT-150-15-11	280	473		742	190	190	240	150	8
DWMT-100-25-11	280	438		696	170	170	180	100	8
DWMT-60-30-11	280	438		696	170	170	180	100	8
DWMT-40-40-11	250	408		685	150	150	160	80	8
DWMT-25-50-11	200	357		635	130	130	145	65	4
DWMT-150-20-15	280	473		787	190	190	240	150	8
DWMT-100-30-15	280	438		741	170	170	180	100	8
DWMT-60-40-15	280	438	300	741	170	170	180	100	8
DWMT-45-52-15	250	408		730	150	150	160	80	8
DWMT-30-60-15	200	358		680	130	130	145	65	4
DWMT-150-22-18.5	280	473		827	190	190	240	150	8
DWMT-100-36-18.5	280	438		781	170	170	180	100	8
DWMT-80-40-18.5	280	438		781	170	170	180	100	8
DWMT-60-45-18.5	250	408		770	150	150	160	80	8
DWMT-30-63-18.5	200	358		720	130	130	145	65	4



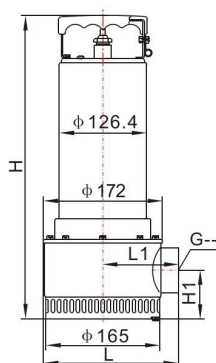
N.O.	Name
1	Cable
2	Press nut
3	Pressure washer
4	Cable head
5	Cross recessed pan head screw and washer assemble
6	O-ring
7	Acorn nut
8	Spring washer
9	Washer
10	Handle
11	Upper cover
12	Plastic spacer
13	Cross recessed pan head screw and washer assemble
14	Terminal
15	Hexagon socket head cap screw
16	Spring washer
17	Washer
18	Hexagon socket head cap screw
19	Motor base
20	Rear flange cover
21	Three wave Ring
22	Bearings

N.O.	Name
23	Stator assembling
24	Rotor assembling
25	Bearings
26	Front Cover
27	Mechanical Seal
28	Mechanical flat pad
29	External circlips
30	O-ring
31	Pump Cover
32	Mechanical Seal
33	O-ring
34	Impeller
35	Key
36	Washer
37	Spring washer
38	Hexagon bolt
39	Pump casing
40	Acorn nut

VATTURE®

Small stainless steel submersible pump
FSM

Overall dimension

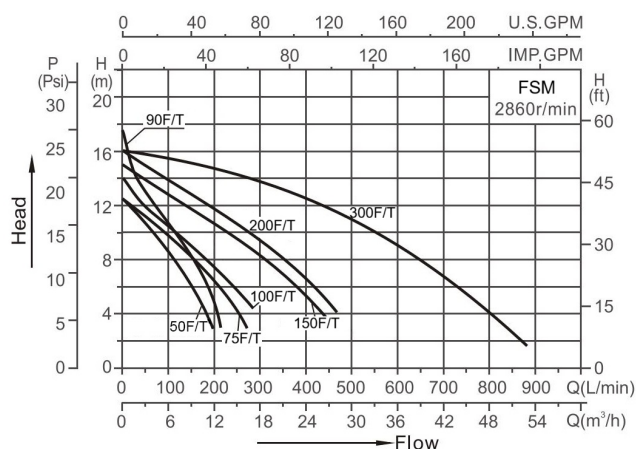


Model	L	L1	H	H1	G--
FSM-50F/T	195	109	405	70	G1.5
FSM-75F/T	195	109	405	70	G1.5
FSM-90F/T	195	109	405	70	G1.5
FSM-100F/T	195	109	405	70	G1.5
FSM-150T	195	109	405	70	G1.5
FSM-150F	195	109	440	70	G1.5
FSM-200F/T	195	109	440	70	G2
FSM-300T	208	122	473	82	G3

Model Explanation

FSM - 75 T F
 With float switch
 Three phase
 P2(HP)=75x0.01
 =0.75HP
 Model Code
 Stainless steel
 submersible pump

Performance curves



Features

- Stainless steel open impeller, strong flow capacity, can pass the diameter of $\leq 5\text{mm}$ suspended solid impurities;
- Copper winding;
- Single phase motor is equipped with USA TI thermal protector;
- 10 meters cable.

※ Single phase electric pump with float switch for liquid level control is an option on request.



Application

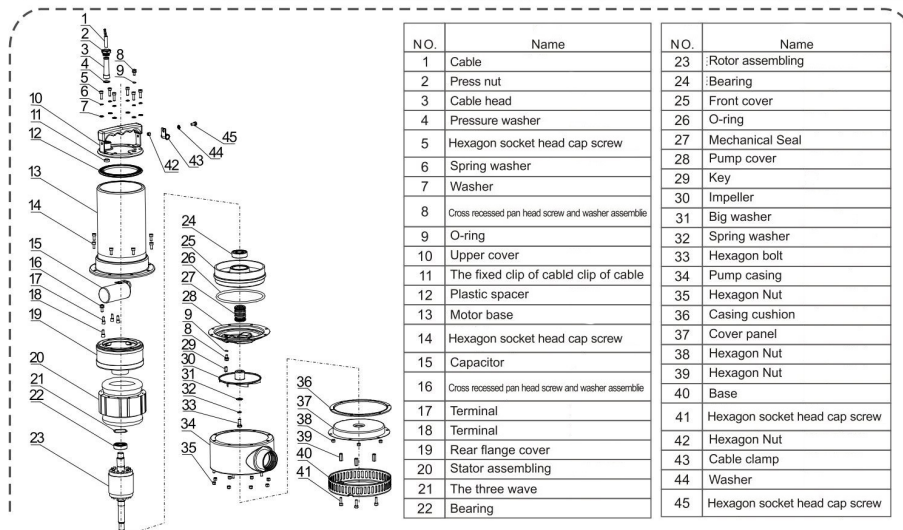
- Landscape fish pond
- Landscape waterfall
- Filter drainage
- Planting, forestry and fisheries water supply, drainage, circulating water and water exchange

Working conditions

Medium temperature: $0\sim 50^{\circ}\text{C}$
 Diving depth: $\leq 5\text{m}$

Technical parameter list

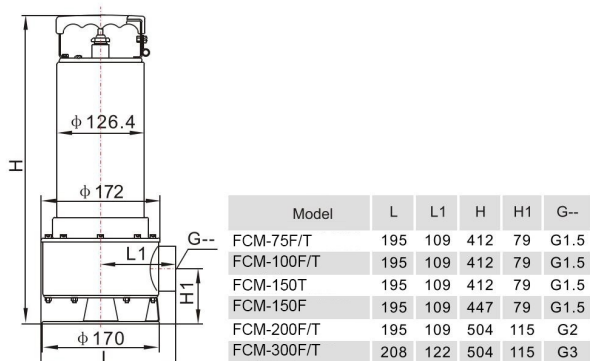
Model	Power(P2) kW	(Amps)		Qmax (m³/h)	Hmax (m)	Rated flow (m³/h)	Rated head (m)	G.W (Kg)	Packing size (mm)
		220V/50Hz	380V/50Hz						
FSM-50F/T	0.37	3.5	1.0	12	12.5	5	10	12.2	265×230×470
FSM-75F/T	0.55	4.8	1.4	16	12.5	10	10	13.2	265×230×470
FSM-90F/T	0.75	5.8	2.2	13	17.5	6	16	14.3	265×230×470
FSM-100F/T	0.75	5.8	2.2	17	13	15	10	14.3	265×230×470
FSM-150T	1.1	-	2.6	26.5	15	18	10	15.5	265×230×470
FSM-150F	1.1	7.0	-	26.5	15	18	10	16	265×230×505
FSM-200F/T	1.5	9.2	3.5	28	16	15	15	17.5	265×230×505
FSM-300T	2.2	-	5.2	53	16	30	11	18	265×230×545



VATTURE®

SUBMERSIBLE SEWAGE PUMP
FCM

Overall dimension

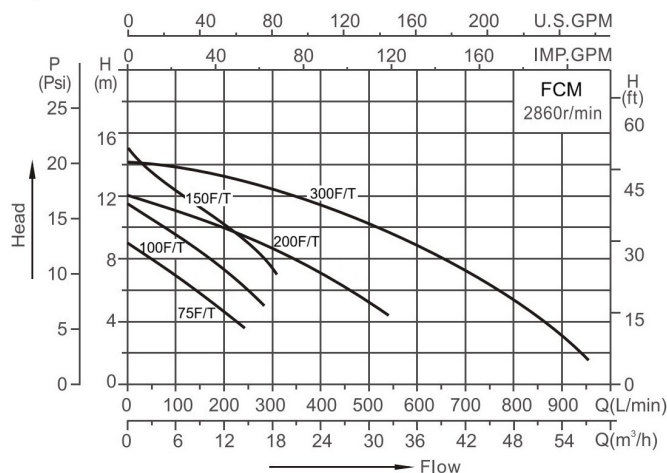


Model Explanation

FCM - 75 T F

- With float switch
- Three phase
- P2(HP)=75x0.01=0.75HP
- Model Code
- Stainless steel submersible pump

Performance curves



Features

- Stainless steel open impeller, strong flow capacity, Diameter of soft solid that can pass through: 0.55~1.1kW≤22mm, 1.5~2.2kW≤19mm.
- Copper winding.
- Single phase motor is equipped with USA TI thermal protector.
- 10 meters cable.

Application

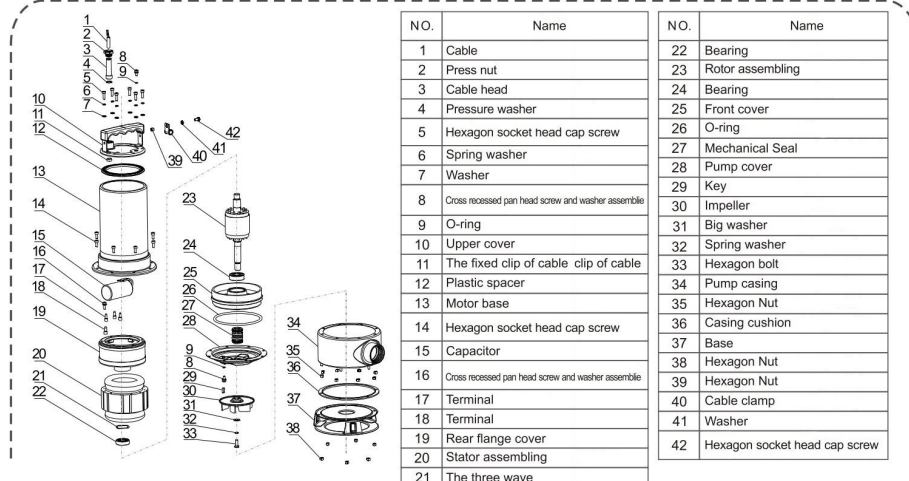
- Suitable for clean water, sewage.
- Farming, forestry, fishery water supply, circulation, and water changing.
- Equipment for Gardening, Aquarium, Landscape waterfall, Water drainage and filtration.

Working conditions

Medium temperature: 0~+50℃
Diving depth: ≤5m

Technical parameter list

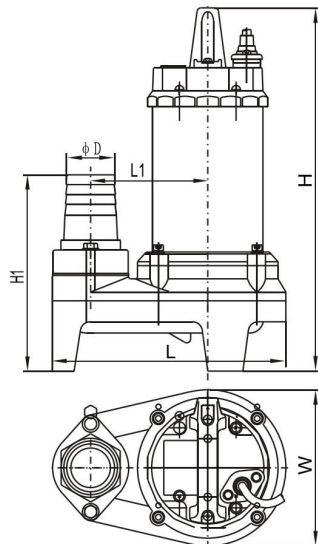
Model	Power(P2) kW	(Amps)		Qmax (m³/h)	Hmax (m)	Rated flow (m³/h)	Rated head (m)	G.W (Kg)	Packing size (mm)
		220V	380V						
FCM-75F/T	0.55	4.8	1.4	14.5	9	10	6	13	265×230×470
FCM-100F/T	0.75	5.8	2.2	17	11.5	15	6	14	265×230×470
FCM-150T	1.1	-	2.6	18.5	15	15	10	15	265×230×470
FCM-150F	1.1	7.0	-	18.5	15	15	10	15.6	265×230×515
FCM-200F/T	1.5	9.2	3.5	32	12	20	10	17.8	265×230×575
FCM-300F/T	2.2	-	5.2	57	14	25	10	18.3	265×230×575



VATTURE®

SMALL SUBMERSIBLE PUMP
MSE

Overall dimension

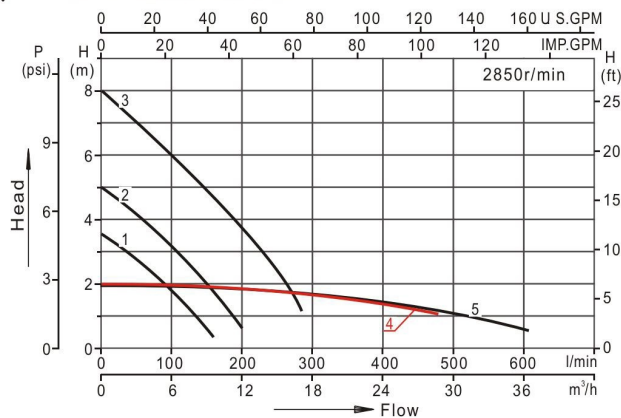


Model	Shape size (mm)					
	L	L1	H	H1	W	D
MSE-150F	239	120	372	201	160	51(2")
MSE-200F	239	120	372	201	160	51(2")
MSE-400F	239	120	372	201	160	51(2")
MSE80-400F	265	126	375	190	185	76(3")
MSE100-400F	317	150	383	247	210	102(4")

Model Explanation

MSE-400 (F)
 (with float switch, without no)
 out power
 Engineering plastics
 Castiron for 80-100

Performance curves



Technical parameter list

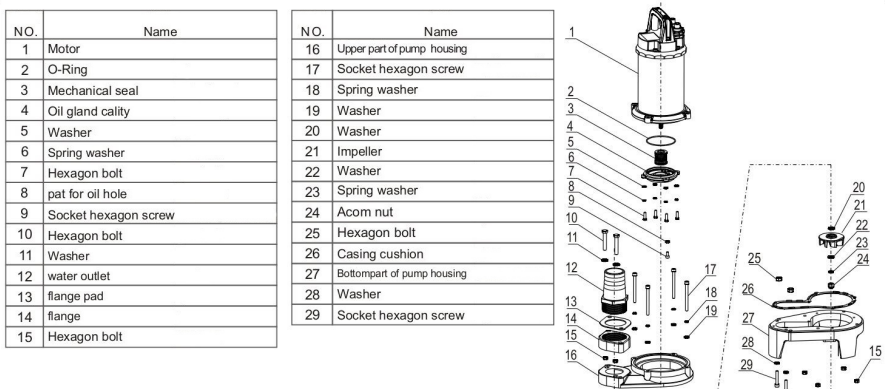
Model	Power(P ₂) W	V/Hz	(Amps)	Hmax (m)	Qmax (m³/h)	Curve	G.W (Kg)	Packing size (mm)
MSE-150F	150	220/50	1.1	3.5	9.5	1	8.5	400×165×270
MSE-200F	200	220/50	1.5	5	12	2	8.5	400×165×270
MSE-400F	400	220/50	2.9	8	17	3	9.5	400×165×270
MSE80-400F	400	220/50	2.9	2	30	4	15	405×210×325
MSE100-400F	400	220/50	2.9	2	36	5	16.2	415×235×375

Application

- ♦ Suitable for clean water, sea water, sewage.
- ♦ Farming, forestry, fishery water supply, circulation, and water changing.
- ♦ Equipment for Gardening, Aquarium, Landscape waterfall, Water drainage and filtration.

Working conditions

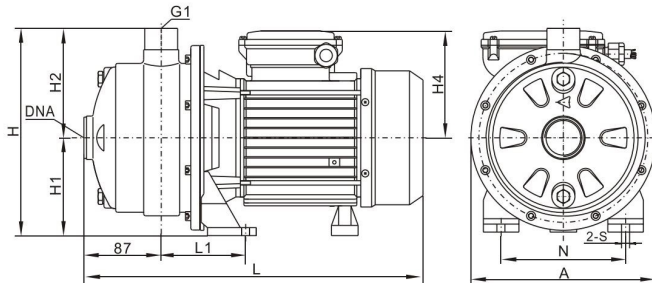
Medium temperature: 0~+40℃
 Diving depth : ≤5m



VATTURE®

STAINLESS STEEL CENTRIFUGAL PUMP
2CDX

Overall dimension



Model	A	L1	N	H	H1	H2	S	Single phase		Three phase		DNA
								L	H4	L	H4	
2CDX(M)70/10	208	93	120	229	106	123	9	356	108	356	102	G1 $\frac{1}{4}$
2CDX(M)70/12	208	95	140	229	106	123	9	382	120	382	111	G1 $\frac{1}{4}$
2CDX(M)70/15	230	95	140	249	118	131	9	382	132	382	111	G1 $\frac{1}{4}$
2CDX(M)70/20	230	109	140	249	118	131	9	397	132	382	111	G1 $\frac{1}{4}$
2CDX(M)120/15	208	95	140	229	106	123	9	382	132	382	111	G1 $\frac{1}{4}$
2CDX(M)120/20	208	109	140	229	106	123	9	397	132	382	118	G1 $\frac{1}{4}$
2CDX120/30	230	109	140	249	118	131	9			415	118	G1 $\frac{1}{4}$
2CDX120/40	230	109	140	249	118	131	9			437	118	G1 $\frac{1}{4}$
2CDX200/30	208	109	140	229	106	123	9			415	118	G1 $\frac{1}{2}$
2CDX200/40	230	109	140	249	118	131	9			437	118	G1 $\frac{1}{2}$
2CDX200/50	230	109	160	249	118	131	12			469	148	G1 $\frac{1}{2}$

Features

- ♦ Overflow parts and shaft are made of stainless steel (304 or 316);
- ♦ Volute pump body adopts liquid bulging technology, high efficiency, compact and firm.
- ♦ Mechanical shaft seal, safe and reliable.
- ♦ Single phase motor is equipped with USA TI thermal protector.

Application

- ♦ Circular cleaning system for industrial production lines in all fields.
- ♦ Home water system, booster unit.
- ♦ Agricultural and horticultural sprinkler irrigation.
- ♦ Cooling tower.

Working conditions

Medium temperature:

Standard model: -20℃~+70℃

High temperature: -20℃~+104℃

Environmental temperature: ≤+50℃

Max. working pressure: 1.0MPa



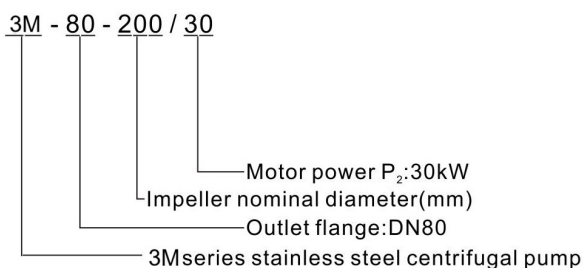
Technical parameter list

Model	Power (HP)	(Amps)		Speed (rpm)	Rated flow (m³/h)	Rated head (m)	G.W (Kg)	Packing size (mm)	flow (m³/h)												
		220V	380V							1.2	3.0	4.2	5.4	6.6	7.2	9.0	10.8	12	15	17	head (m)
2CDX(M)70/10	1.0	6.2	2.4	2900	4.2	30	11.8	405×235×270	40	36	30	28	24	21	14	-	-	-	-	-	
2CDX(M)70/12	1.1	7.0	2.6	2900	4.2	34	13	425×235×270	46	41	37	31	25	22	12	-	-	-	-	-	
2CDX(M)70/15	1.5	9.2	3.5	2900	4.2	43	17.7	425×255×330	52.5	48	43	35.5	29.5	25	-	-	-	-	-	-	
2CDX(M)70/20	2.0	14	4.1	2900	4.2	48	19	1~440×255×330 3~425×255×330	58	53.5	48	41	32.5	20	-	-	-	-	-	-	
2CDX(M)120/15	1.5	9.2	3.5	2900	7.2	32	16.8	425×235×300	-	40	38	35	33	32	27.5	22	-	-	-	-	
2CDX(M)120/20	2.0	14	4.1	2900	7.2	38	18.2	1~445×235×300 3~425×235×300	-	48.5	46	43	40	38	33.5	27	-	-	-	-	
2CDX120/30	3.0	—	6.3	2900	7.2	49	24	455×255×330	-	59	57	54	52	49	45.5	38	23	-	-	-	
2CDX120/40	3.0	—	6.3	2900	7.2	56	26	475×255×330	-	65	63	60.5	58	56	51.5	45	38	-	-	-	
2CDX200/30	3.0	—	6.3	2900	12	34	24.3	455×235×315	-	-	49	47.5	46	45	41.5	36	34	25.5	-	-	
2CDX200/40	4.0	—	7.5	2900	12	48	26	475×255×315	-	-	63	61	60	58	55	51	48	39	31	-	
2CDX200/50	5.0	—	8.7	2900	12	55	30.8	505×255×340	-	-	70	69	67	65	62	57.5	55	47	40	-	

Product description

3M series horizontal stainless steel single-stage centrifugal pump: axial inlet and radial outlet. Motor drawn out from pump design is easy to disassemble the motor and impeller without disassembling the pump casing and pipe line. Adopt advanced manufacture technic as stainless steel by cold pressing, hydroforming, welding and etc. It is the innovated new structure centrifugal pump. It can replace the traditional IS pumps and general corrosion resistance pumps. It is equipped with a special motor for the lengthening shaft, which is a fully enclosed air-cooled motor. The pump casing, pump cover, impeller, shaft and other flow passage components are made of SUS304 material, and SUS316 material can be configured as required. It is characterized by light structure, high efficiency and energy saving, light corrosion resistance, durability, low noise, etc.

Example



Curve condition

The guidelines below apply to the curves shown on the following pages:

- 1) Curve tolerance as per ISO 9906 shown, the thick line indicates the recommended use range. If it is used beyond the curve range, there will be a risk of overload.
 - 2) All curves are based on the measured value of motor speed at 2900 r/min.
 - 3) The curve is measured in clean water without gas and solid impurities at a temperature of 20 °C.
 - 4) The pump shall not operate at a flow rate less than 10% of the flow at the optimal efficiency point to avoid the risk of overheating.
 - 5) If the density or viscosity of the conveying liquid is greater than that of water, a motor of corresponding large specification must be used.
 - 6) NPSH: The curve is expressed as the average value under the same conditions as the performance curve.
- A safety margin of at least 0.5m shall be added during model selection.

Application

- Water supply: water transport in waterworks, boosting of main pipeline.
- Industrial boosting: process water system, cleaning system, wine-brewing and food system.
- Industrial liquid transfer: boiler feed, cooling and air-conditioning system, condensate system, weak acids and weak alkali.
- Water treatment: water transfer, swimming pool system.
- Farmland irrigation, medical and health, petrochemical, aquafarming, etc.

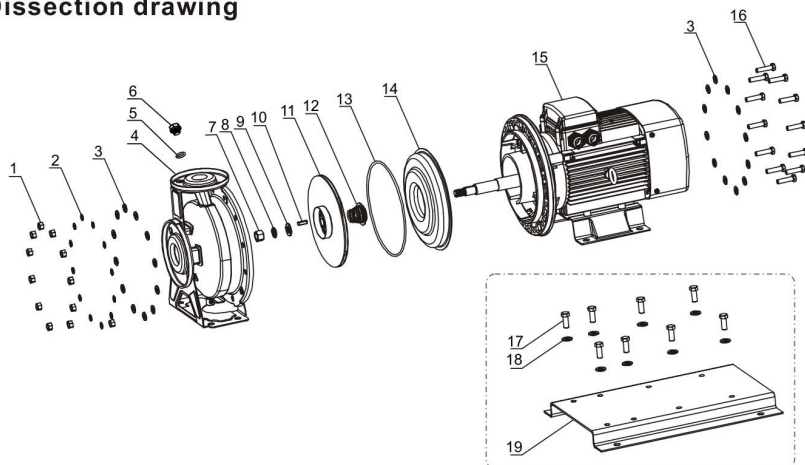
Motor

- Equipped with a fully enclosed, air-cooled, 2 pole or 4 pole extended shaft motor;
- Protection: Ip55
- Insulation class: F
- Supply voltage ($\pm 10\%$): 1*220V~240V/50Hz ;
3*220V/380V/50Hz; 3*380V/660V/50Hz
0.37kW ~ 2.2kW can provide single-phase motor products with built-in thermal protector.

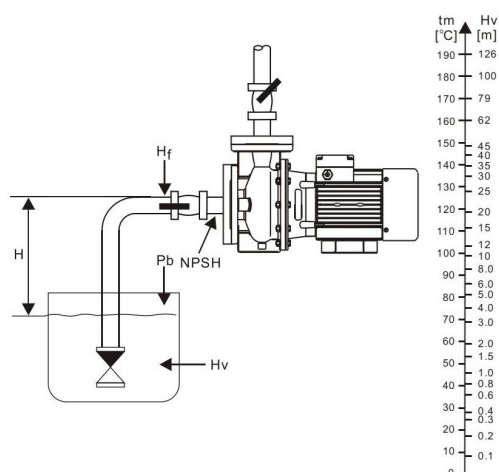
Service conditions

- clean, non flammable and explosive liquid without solid particles and fibers;
- Medium temperature:
standard model: -20 °C ~ + 70 °C;
high temperature: -20 °C ~ + 104 °C;
- maximum ambient temperature + 50 °C;
- the maximum installation altitude is 1000m;
- the maximum working pressure is 10 bar.

Dissection drawing



NO.	Name
1	Hexagonal Nut
2	Spring Washer
3	Washer
4	Pump housing component
5	O-Ring
6	Plug
7	Hexagonal Nut
8	Spring Washer
9	Washer
10	Flat key
11	Impeller
12	Mechanical seal
13	O-Ring
14	Pump Cover
15	Motor
16	Hexagonal Bolt
17	Hexagonal Bolt
18	Washer
19	Base



Minimum inlet pressure

Calculation of the inlet pressure "H" is recommended in these situations :

- The liquid temperature is high.
- The flow is significantly higher than the rated flow.
- Water is drawn from depths.
- Water is drawn through long pipes.

Inlet conditions are poor. to avoid cavitation, make sure that there is a minimum pressure on the suction side of the pump.

The maximum suction lift "H" in metres head can be calculated as follows:

$$H = P_b * 10.2 - NPSH - H_f - H_v - H_s$$

P_b = Barometric pressure in bar.

(Barometric pressure can be set to 1 bar).

in closed systems, P_b indicates the system pressure in bar.

NPSH = Net positive suction Head in metres head.

(To be read from the NPSH curve at the highest flow the pump will be delivering).

H_f = Friction loss in suction pipe (unit:m).

(At the highest flow the pump will be delivering.)

H_v = Vapour pressure (unit:m).

(To be read from the vapour pressure scale).

H_s = safety margin = minimum 0.5 metres head.

if the "H" calculated is positive, the pump can operate at a suction lift of maximum "H" metres head. If the "H" calculated is negative, an inlet pressure of minimum "H" metres head is required.

Pump selection

1) Pump specification:

Pump selection should be based on:

- Required flow and pressure at the permissible working range.
- Pressure loss as a result of height differences.
- Loss in connection should consider the loss of long pipes, bends or valves, etc.
- Best efficiency point should be at the estimated duty point.

2) Pump efficiency:

If the pump expected to operate at the same duty point, then select a pump which is operating at a duty point with the best efficiency of the pump.

If want to control the operation and the consumption, then select a pump that the best efficiency point should fall to the rated range that could meet the maximum power consumption.

3) Pump material:

Material selection should be based on the liquid (SUS304 OR SUS316).

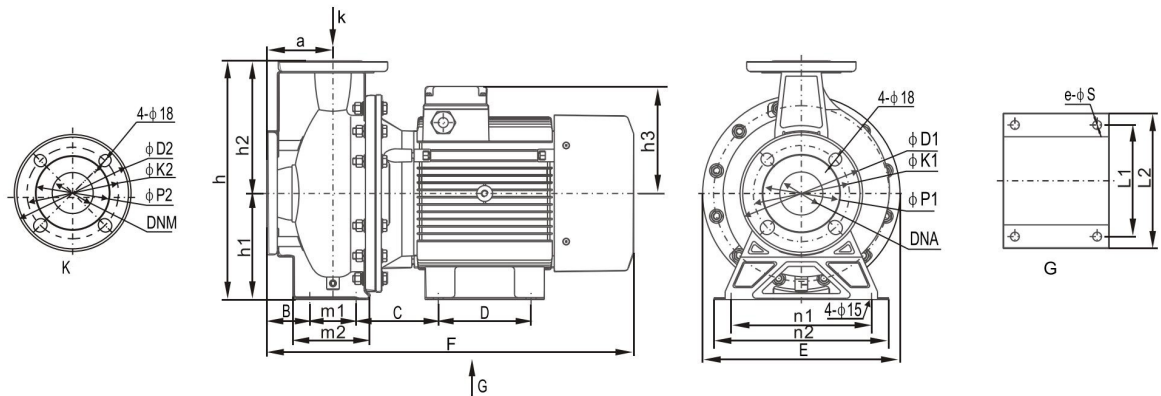
Performance range



Technical parameter list

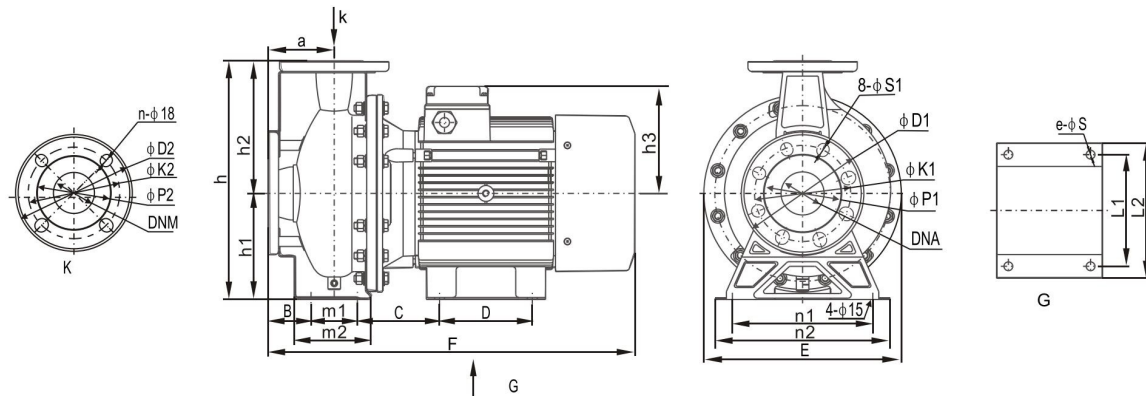
Model	Power(P ₂) kW	Rated head (m)	Rated flow (m ³ /h)	(Amps)		G.W (kg)	Packing way	Packing size (mm)
				220V/50Hz	380V/50Hz			
3M-32-160/1.1	1.1	16.5	12.5	7.0	2.6	21.5	Plywood box	470×280×390
3M-32-160/1.5	1.5	20	12.5	9.2	3.5	22.5		470×280×390
3M-32-160/2.2	2.2	26	12.5	14	4.9	31		470×280×390
3M-32-200/3.0	3.0	34	12.5	—	6.3	38		540×370×475
3M-32-200/4.0	4.0	45	12.5	—	9.6	54		540×370×475
3M-32-200/5.5	5.5	54	12.5	—	11.1	62.3		630×370×495
3M-32-200/7.5	7.5	63	12.5	—	14.9	73.8		630×370×495
3M-40-125/1.5	1.5	13	25	9.2	3.5	21		470×280×390
3M-40-125/2.2	2.2	20	25	14	4.9	29		470×280×390
3M-40-125/3.0	3.0	25	25	—	6.3	37		540×330×425
3M-40-160/4.0	4.0	31	25	—	9.6	49.5		540×330×425
3M-40-200/5.5	5.5	41	25	—	11.1	62.5		630×370×495
3M-40-200/7.5	7.5	48	25	—	14.9	74		630×370×495
3M-40-200/11	11	68	25	—	21.2	93		705×430×560
3M-50-125/3.0	3.0	16	40	—	6.3	37.5		540×330×425
3M-50-125/4.0	4.0	21	40	—	9.6	49.5		540×330×425
3M-50-160/5.5	5.5	24	50	—	11.1	62.5		630×370×495
3M-50-200/7.5	7.5	32	50	—	14.9	73		630×370×495
3M-50-200/9.2	9.2	41	50	—	18.3	82		705×430×560
3M-50-200/11	11	48	50	—	21.2	93		705×430×560
3M-50-200/15	15	62	50	—	28.6	107		705×430×560
3M-50-200/18.5	18.5	68	50	—	34.7	158		765×440×580
3M-65-125/4.0	4.0	13	80	—	9.6	49.5		610×330×475
3M-65-125/5.5	5.5	13	100	—	11.1	62.5		610×330×475
3M-65-125/7.5	7.5	19	100	—	14.9	69.5		610×330×475
3M-65-125/9.2	9.2	25	100	—	18.3	80.5		695×380×500
3M-65-160/11	11	30	100	—	21.2	93		695×380×500
3M-65-160/15	15	37	100	—	28.6	107		695×380×500
3M-65-200/18.5	18.5	47	100	—	34.7	158		765×440×580
3M-65-200/22	22	53	100	—	41.0	192		855×440×600
3M-65-200/30	30	62	100	—	55.4	223		925×480×650
3M-80-160/11	11	15	160	—	21.2	92.5		755×370×550
3M-80-160/15	15	22	160	—	28.6	106		755×370×550
3M-80-160/18.5	18.5	28	160	—	34.7	158		855×440×600
3M-80-200/22	22	36	160	—	41.0	193		855×440×600
3M-80-200/30	30	45	160	—	55.4	232		925×480×650
3M-80-200/37	37	54	160	—	67.9	256		925×480×650
3M-100-160/18.5	18.5	25	180	—	34.7	180		855×440×600
3M-100-160/22	22	30	180	—	41.0	203		855×440×600
3M-100-160/30	30	35	200	—	55.4	260		925×480×650
3M-100-200/37	37	50	200	—	67.9	285		925×480×650
3M-100-200/45	45	57	200	—	80.8	385		995×540×730
3M-100-200/55	55	65	200	—	98.5	440		1085×580×760
3M-125-200/45	45	35.5	320	—	80.8	385		995×540×730
3M-125-200/55	55	42	320	—	98.5	440		1085×580×760
3M-125-200/75	75	49	320	—	133.7	580		1165×640×820
3M-125-200/90	90	54	320	—	159.9	628		1165×640×820

Overall dimension(No base)



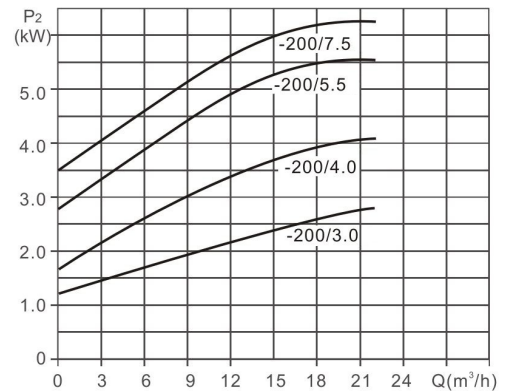
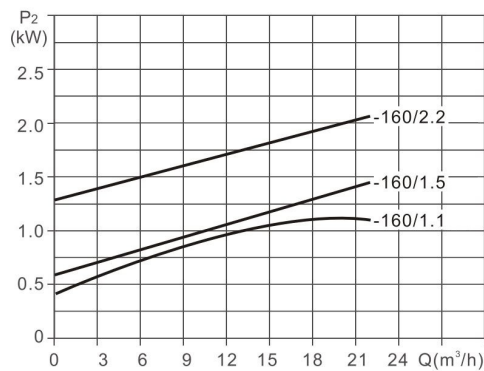
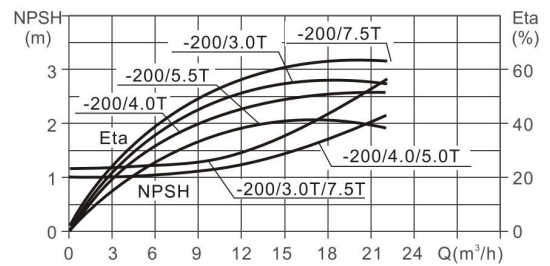
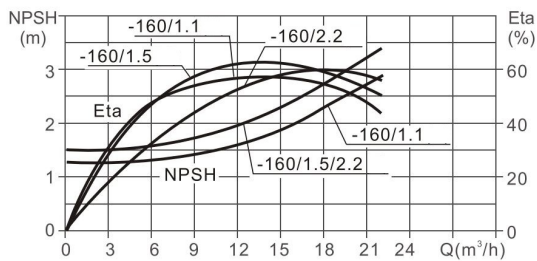
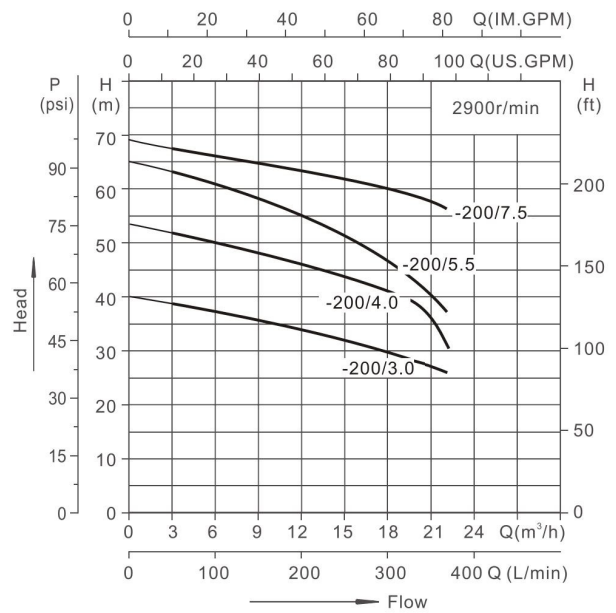
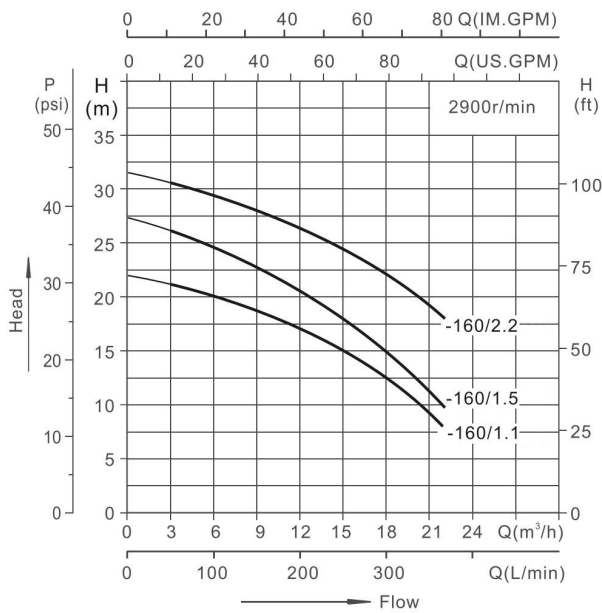
Model	Power P ₂ (kW)	Shape size(mm)																		Flange size(mm)									
		E	F	h	h1	h2	h ₃	1- 3-	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φD1	φk1	φP1	φD2	φK2	φP2	DNA	DNM		
3M-32-160/1.1	1.1	215	390	255	112	143	114	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	50	32		
3M-32-160/1.5	1.5	215	390	255	112	143	132	107	80	70	115	160	190	45	95	90	4-12*18	125	155	165	125	96	140	100	76	50	32		
3M-32-160/2.2	2.2	215	438	255	112	143	144	112	80	70	115	160	190	45	111	100	4-12*18	160	190	165	125	96	140	100	76	50	32		
3M-32-200/3.0	3.0	300	456	340	160	180	-	112	80	70	118	190	240	45	109	100	4-12*18	160	190	165	125	96	140	100	76	50	32		
3M-32-200/4.0	4.0	300	490	340	160	180	-	147	80	70	118	190	240	45	114	140	4-15*20	190	225	165	125	96	140	100	76	50	32		
3M-32-200/5.5	5.5	300	519	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	50	32		
3M-32-200/7.5	7.5	300	557	340	160	180	-	162	80	70	118	190	240	45	122	140	4-15*20	190	230	165	125	96	140	100	76	50	32		
3M-40-125/1.5	1.5	215	390	255	112	143	132	107	80	70	115	160	190	45	95	90	4-12*18	125	155	185	145	115	150	110	80	65	40		
3M-40-125/2.2	2.2	215	438	255	112	143	144	112	80	70	115	160	190	45	110	100	4-12*18	160	190	185	145	115	150	110	80	65	40		
3M-40-125/3.0	3.0	256	456	292	132	160	-	112	80	70	118	190	240	45	110	100	4-12*18	160	190	185	145	115	150	110	80	65	40		
3M-40-160/4.0	4.0	256	491	292	132	160	-	147	80	70	118	190	240	45	114	140	4-15*20	190	225	185	145	115	150	110	80	65	40		
3M-40-200/5.5	5.5	300	541	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	65	40		
3M-40-200/7.5	7.5	300	579	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	150	110	80	65	40		
3M-40-200/11	11	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	150	110	80	65	40		
3M-50-125/3.0	3.0	256	455	292	132	160	-	112	80	70	115	190	240	45	110	100	4-12*18	160	190	185	145	115	165	125	96	65	50		
3M-50-125/4.0	4.0	256	491	292	132	160	-	147	80	70	115	190	240	45	115	140	4-15*20	190	225	185	145	115	165	125	96	65	50		
3M-50-160/5.5	5.5	300	541	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	165	125	96	65	50		
3M-50-200/7.5	7.5	300	579	360	160	200	-	162	100	70	118	212	264	65	124	140	4-15*20	190	230	185	145	115	165	125	96	65	50		
3M-50-200/9.2	9.2	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50		
3M-50-200/11	11	300	615	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50		
3M-50-200/15	15	300	657	360	160	200	-	182	100	70	118	212	264	65	161	140	4-15*20	216	255	185	145	115	165	125	96	65	50		
3M-50-200/18.5	18.5	320	715	360	160	200	-	255	100	70	118	212	264	65	147	254	4-φ15	254	320	185	145	115	165	125	96	65	50		

Overall dimension(No base)



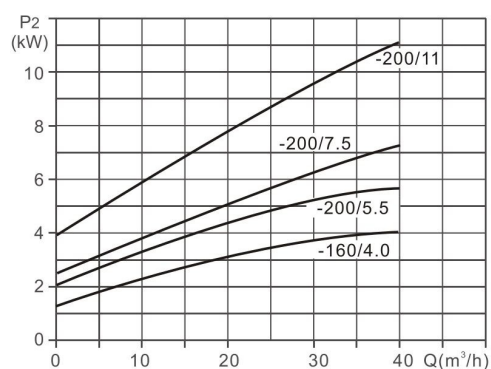
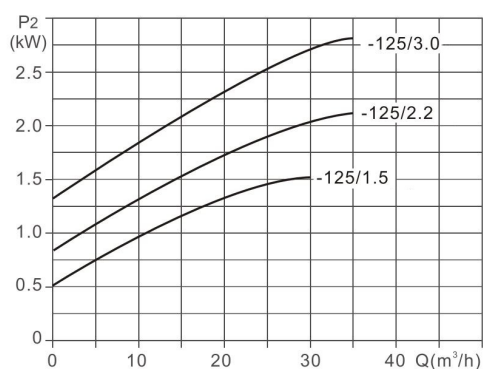
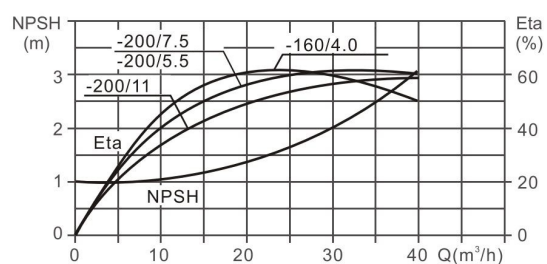
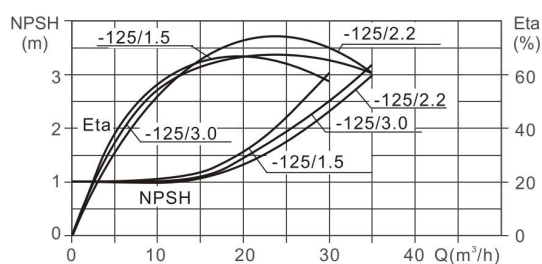
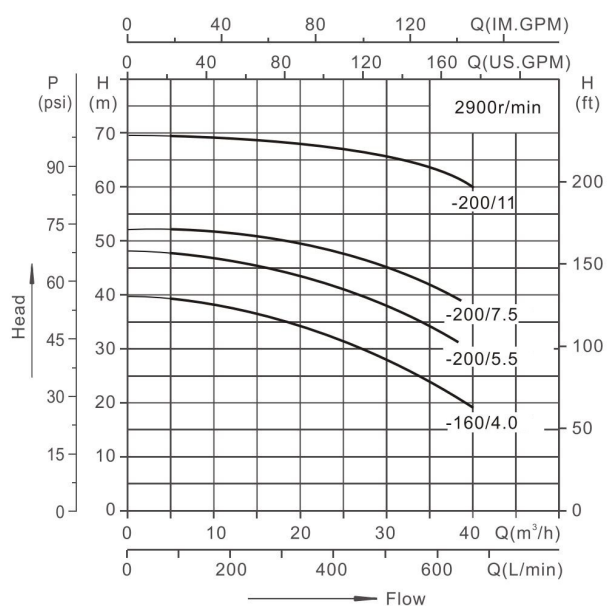
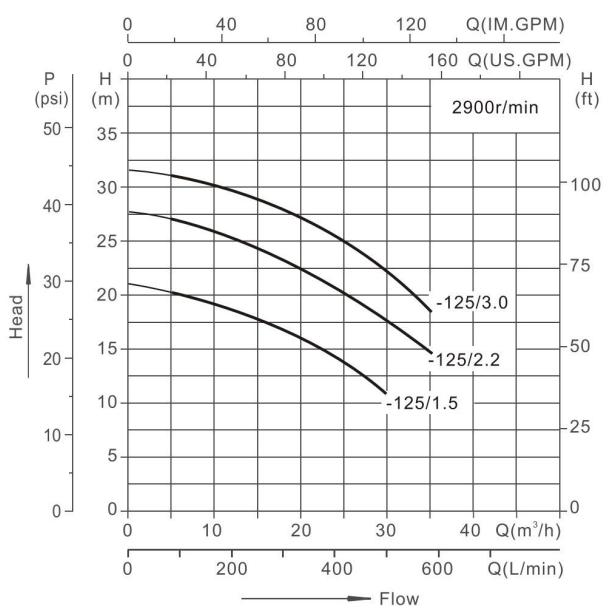
Model	Power P ₂ (kW)	Shape size(mm)																Flange size(mm)											
		E	F	h	h1	h2	h3	a	m1	m2	n1	n2	B	C	D	e-φS	L1	L2	φS1	φD1	φK1	φP1	φD2	φK2	φP2	n	DNA	DNM	
3M-65-125/4.0	4.0	256	514	340	160	180	147	100	95	152	212	250	53	105	140	4-15*20	190	225	18	200	160	132	185	145	115	4	80	65	
3M-65-125/5.5	5.5	256	535	340	160	180	162	100	95	152	212	250	53	113	140	4-15*20	190	230	18	200	160	132	185	145	115	4	80	65	
3M-65-125/7.5	7.5	256	573	340	160	180	162	100	95	152	212	250	53	113	140	4-15*20	190	230	18	200	160	132	185	145	115	4	80	65	
3M-65-125/9.2	9.2	256	636	340	160	180	182	100	95	152	212	250	53	175	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65	
3M-65-160/11	11	300	613	360	160	200	182	100	95	152	212	250	53	152	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65	
3M-65-160/15	15	300	651	360	160	200	182	100	95	152	212	250	53	152	140	4-15*20	216	255	18	200	160	132	185	145	115	4	80	65	
3M-65-200/18.5	18.5	320	717	405	180	225	255	100	95	148	250	290	53	430	-	2-φ15	254	354	18	200	160	132	185	145	115	4	80	65	
3M-65-200/22	22	356	776	405	180	225	270	100	95	148	250	290	53	169	241	4-φ14.5	279	355	18	200	160	132	185	145	115	4	80	65	
3M-65-200/30	30	400	840	425	200	225	304	100	95	148	250	290	53	177	305	4-φ18.5	318	386	18	200	160	132	185	145	115	4	80	65	
3M-80-160/11	11	256	669	405	180	225	182	125	95	176	250	290	78	183	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80	
3M-80-160/15	15	256	711	405	180	225	182	125	95	176	250	290	78	183	140	4-15*20	216	255	18	220	180	152	200	160	132	8	100	80	
3M-80-160/18.5	18.5	320	769	405	180	225	255	125	95	176	250	290	78	457	-	2-φ15	254	354	18	220	180	152	200	160	132	8	100	80	
3M-80-200/22	22	356	811	430	180	250	270	125	95	176	280	320	78	180	241	4-φ14.5	279	355	18	220	180	152	200	160	132	8	100	80	
3M-80-200/30	30	400	880	450	200	250	304	125	95	176	280	320	78	188	305	4-φ18.5	318	386	18	220	180	152	200	160	132	8	100	80	
3M-80-200/37	37	400	880	450	200	250	304	125	95	176	280	320	78	188	305	4-φ18.5	318	386	18	220	180	152	200	160	132	8	100	80	
3M-100-160/18.5	18.5	320	780	405	180	225	255	125	120	187	280	330	66	457	-	2-φ15	254	354	18	250	210	180	220	180	152	8	125	100	
3M-100-160/22	22	356	820	405	180	225	270	125	120	187	280	330	66	175.5	241	4-φ14.5	279	355	18	250	210	180	220	180	152	8	125	100	
3M-100-160/30	30	400	890	425	200	225	304	125	120	187	280	330	66	183.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100	
3M-100-200/37	37	400	890	480	200	280	304	125	120	185	280	330	65	186.5	305	4-φ18.5	318	386	18	250	210	180	220	180	152	8	125	100	
3M-100-200/45	45	445	910	505	225	280	333	125	120	185	280	330	65	176.5	311	4-φ18.5	356	431	18	250	210	180	220	180	152	8	125	100	
3M-100-200/55	55	485	1000	530	250	280	362	125	120	185	280	330	65	214.5	349	4-φ18.5	406	484	18	250	210	180	220	180	152	8	125	100	
3M-125-200/45	45	445	950	565	250	315	333	140	120	212	315	370	80	139	441	4-φ18.5	356	471	22	285	240	206	250	210	180	8	150	125	
3M-125-200/55	55	485	1040	565	250	315	362	140	120	212	315	370	80	242	349	4-φ18.5	406	484	22	285	240	206	250	210	180	8	150	125	
3M-125-200/75	75	546	1116	595	280	315	384	140	120	212	315	370	80	256.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125	
3M-125-200/90	90	546	1116	595	280	315	384	140	120	212	315	370	80	256.5	368	4-φ18.5	457	542	22	285	240	206	250	210	180	8	150	125	

Performance curves (3M-32)



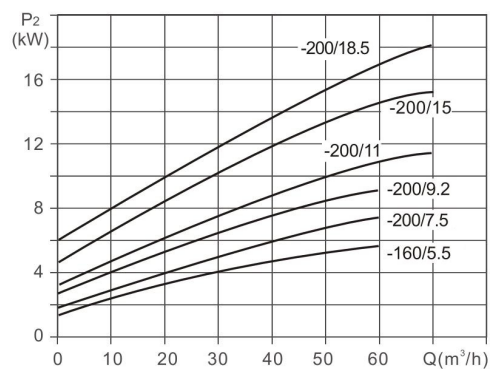
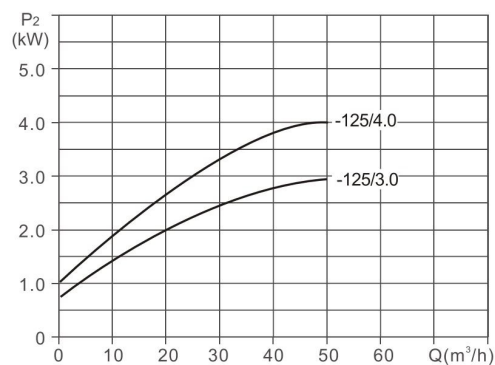
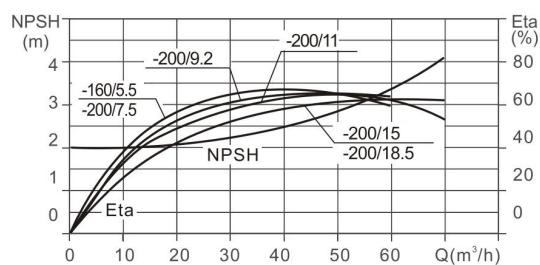
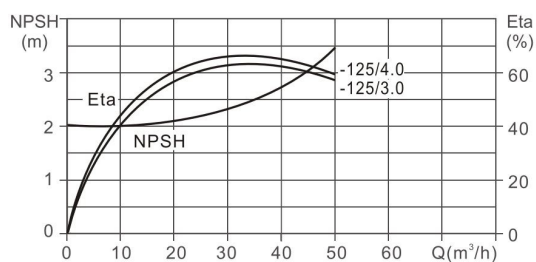
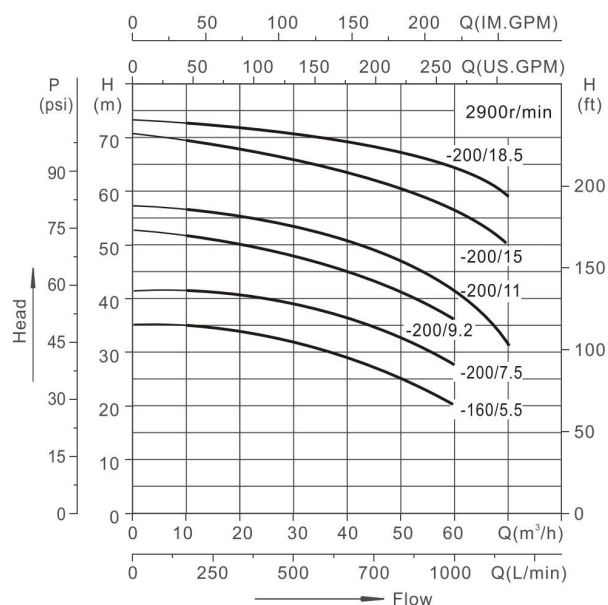
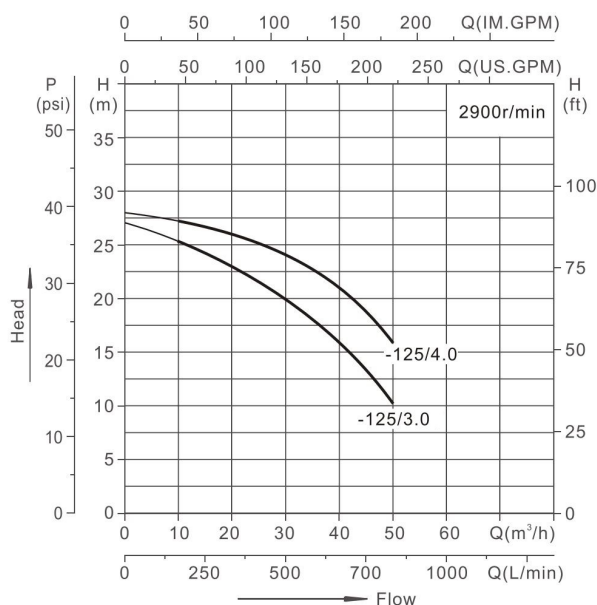
Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	3	6	9	12.5	15	18	20	22
3M-32-160/1.1	1.1	16.5	12.5	H (m)	21	20	18.5	16.5	15	12.5	10	8
3M-32-160/1.5	1.5	20	12.5		26	24.5	22.5	20	18.5	15	12.5	9.5
3M-32-160/2.2	2.2	26	12.5		30.5	29.5	27.5	26	24	22.5	20.5	18
3M-32-200/3.0	3.0	34	12.5		38	37	35	34	32	30	28	26
3M-32-200/4.0	4.0	45	12.5		51.5	50	48	45	43	41	39	30
3M-32-200/5.5	5.5	54	12.5		62	60	58	54	52	47	42	37
3M-32-200/7.5	7.5	63	12.5		68	66	64	63	62	60	58	57

Performance curves (3M-40)



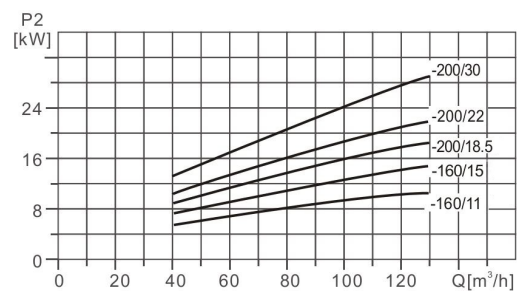
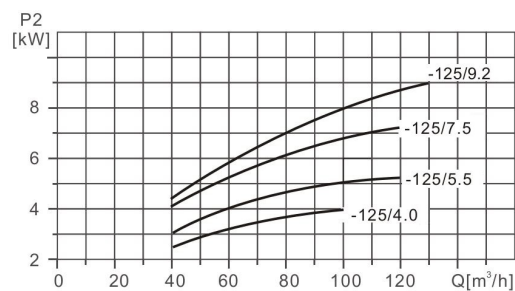
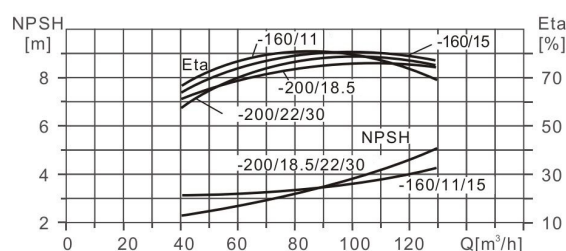
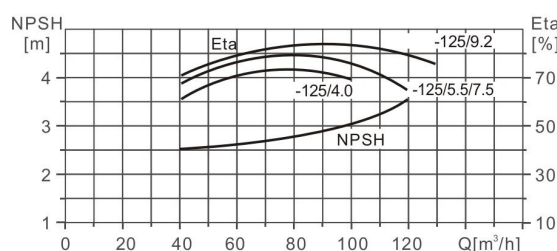
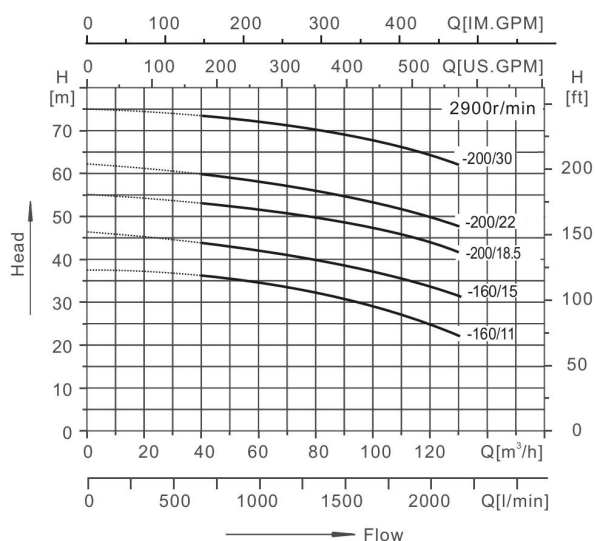
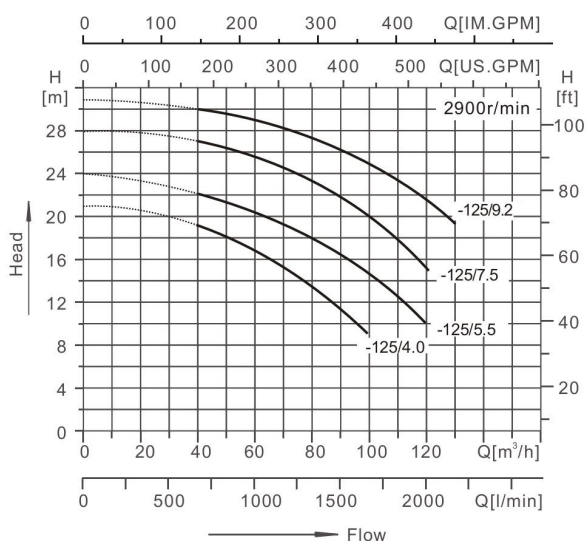
Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	5	10	15	20	25	30	35	40
3M-40-125/1.5	1.5	13	25	H (m)	20	19	17.5	16	13	10.5	—	—
3M-40-125/2.2	2.2	20	25		27	26	24	22	20	17	14	—
3M-40-125/3.0	3.0	25	25		31	30	29	27	25	22	18	—
3M-40-160/4.0	4.0	31	25		39	38	36.5	34	31	28	24	19
3M-40-200/5.5	5.5	41	25		47	46	45.5	44	41	38	34	30
3M-40-200/7.5	7.5	48	25		52	51.5	51	50	48	45	42	38
3M-40-200/11	11	68	25		69	69	68.5	68	68	66	64	60

Performance curves (3M-50)



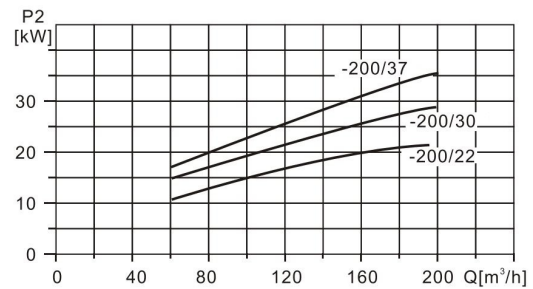
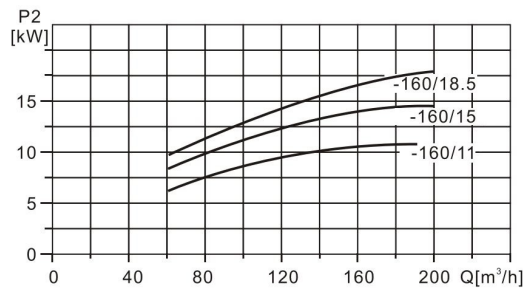
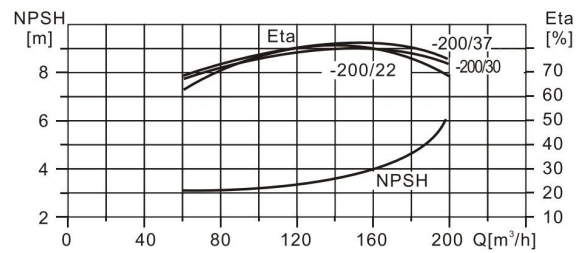
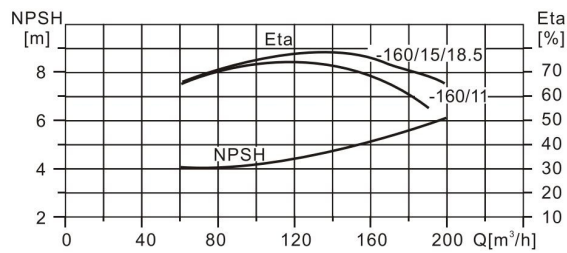
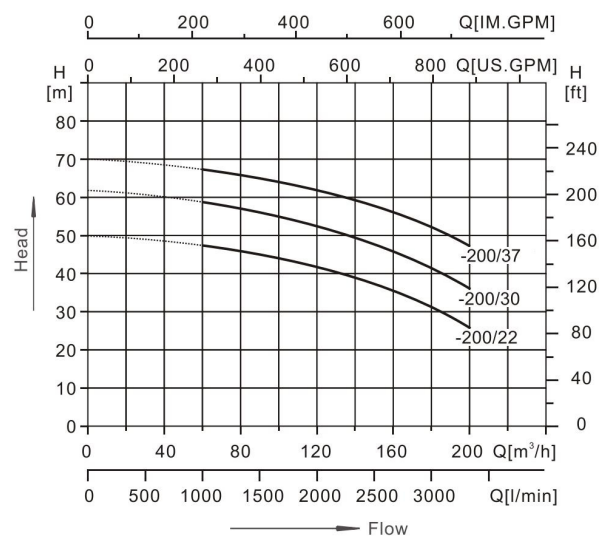
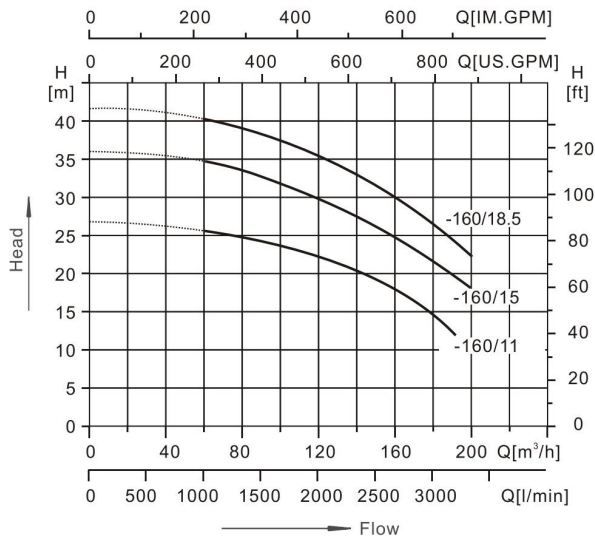
Model	P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	5	10	20	30	40	50	60	70
3M-50-125/3.0	3.0	16	40	H (m)	27	26	23	20	16	10	—	—
3M-50-125/4.0	4.0	21	40		28	27	26	24	21	16	—	—
3M-50-160/5.5	5.5	24	50		34.5	34.5	34	31.5	28.5	24	20	—
3M-50-200/7.5	7.5	32	50		41	41	40.5	39	36	32	27.5	—
3M-50-200/9.2	9.2	41	50		52	52	51	49	45	41	37	—
3M-50-200/11	11	48	50		57	56	55	53	51	48	42	30
3M-50-200/15	15	62	50		69	68	67	65	64	62	57	50
3M-50-200/18.5	18.5	68	50		73	72	71	70	69	68	65	59

Performance curves (3M-65)



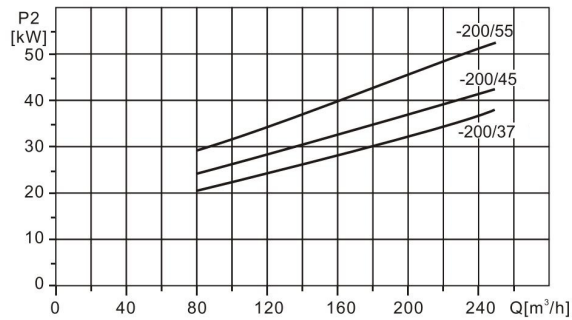
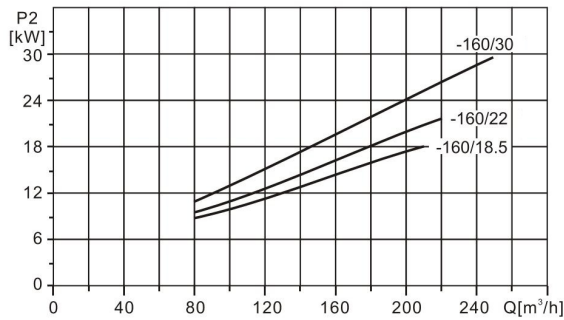
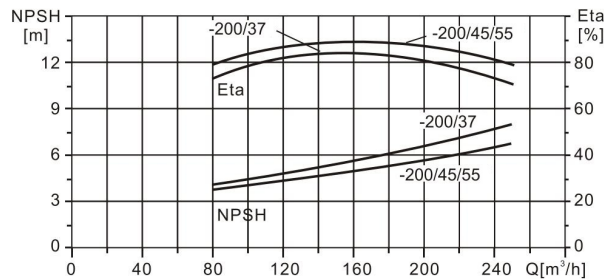
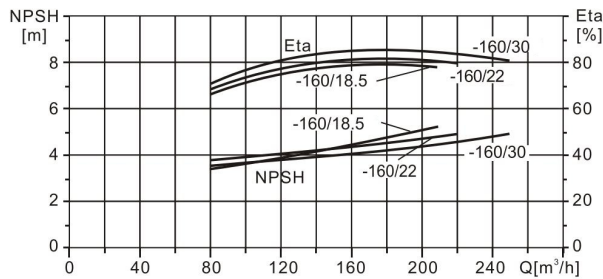
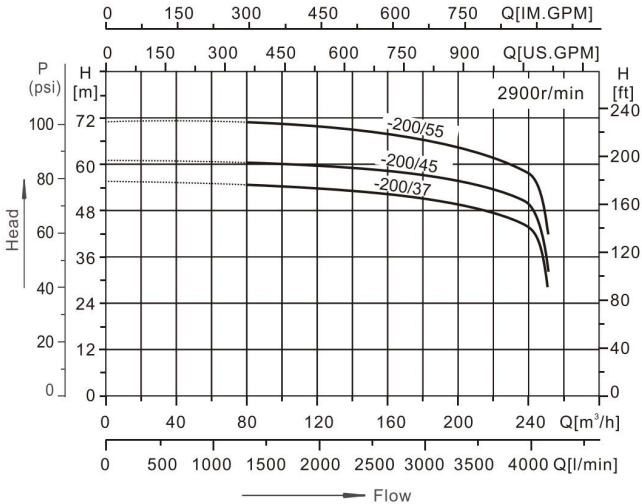
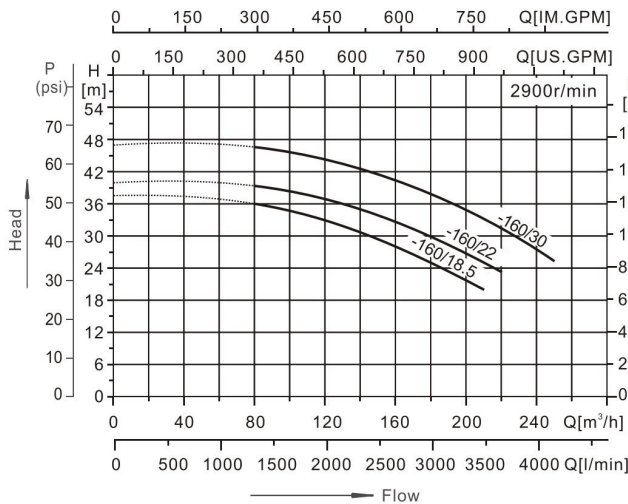
Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	40	50	60	70	80	90	100	110	120	130
3M-65-125/4.0	4.0	13	80	H (m)	19	18	17	15	13	11	9	—	—	—
3M-65-125/5.5	5.5	13	100		22	21	20	19	18	17	13	12	10	—
3M-65-125/7.5	7.5	19	100		27	26	25	24	23	22	19	18	15	—
3M-65-125/9.2	9.2	25	100		30	29.5	29	28	27	26	25	23	21	19
3M-65-160/11	11	30	100		36	35	34	33	32	31	30	27	25	22
3M-65-160/15	15	37	100		44	43	42	40	39	38	37	36	34	32
3M-65-200/18.5	18.5	47	100		53	52	51	50	49	48	47	45	44	41
3M-65-200/22	22	53	100		60	59	58	57	56	54	53	51	50	47
3M-65-200/30	30	62	100		72	72	71	70	69	65	62	61	60	59

Performance curves (3M-80)



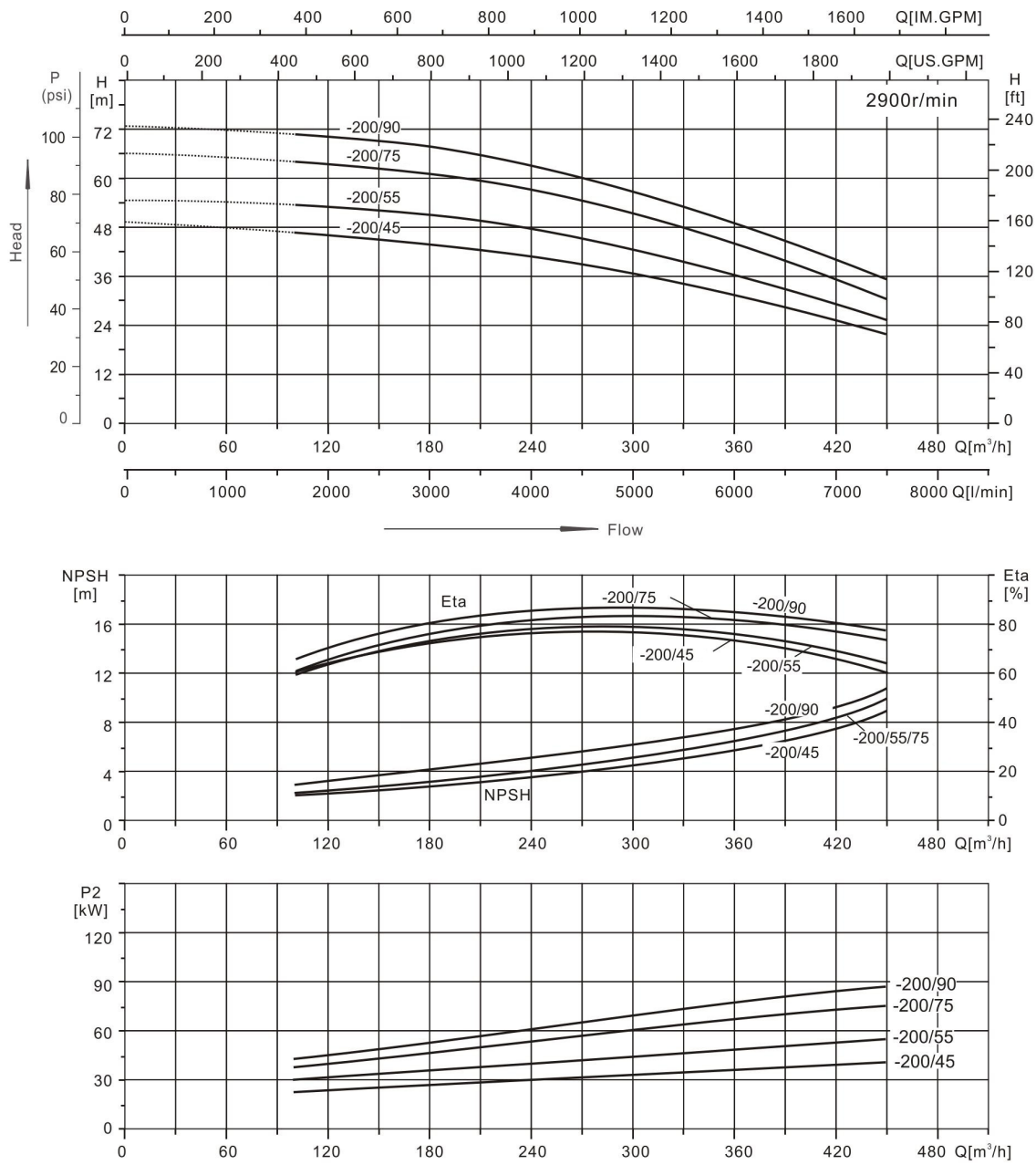
Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	60	80	100	120	140	160	180	192	200
3M-80-160/11	11	15	160	H (m)	26	25	23	22	20	15	14	11	—
3M-80-160/15	15	22	160		35	33	31	29	27	22	21	20	18
3M-80-160/18.5	18.5	28	160		38	37	36	35	33	28	27	25	22
3M-80-200/22	22	36	160		46	44	42	40	38	36	31	29	26
3M-80-200/30	30	45	160		57	56	55	53	50	45	44	42	39
3M-80-200/37	37	54	160		66	65	63	61	59	54	53	51	48

Performance curves (3M-100)



Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	80	100	120	140	160	180	200	210	220	240	250
3M-100-160/18.5	18.5	25	180	H (m)	36	34.5	32.5	30.5	28	25	21.5	19	-	-	-
3M-100-160/22	22	30	180		39	38	37	34.5	32.5	30	26.5	25	23	-	-
3M-100-160/30	30	35	200		46.5	45.5	43.5	42	40	37	35	33	32	28	25
3M-100-200/37	37	50	200		54.5	54	54	54	53	52	50	49	47.5	44	28
3M-100-200/45	45	57	200		60.5	60.5	60.5	60	59	58.5	57	56	54.5	50	30
3M-100-200/55	55	65	200		71	70	69.5	69	68	66.5	65	63.5	62	57	40

Performance curves (3M-125)



Model	Power P ₂ (kW)	Rated head (m)	Rated flow (m³/h)	Q (m³/h)	100	120	160	200	240	280	320	340	360	400	450
3M-125-200/45	45	35.5	320	H (m)	48	47	44.5	42	40	38	35.5	33.5	32	27	22
3M-125-200/55	55	42	320		54	53.5	51.5	50	46.5	44.5	42	40	38	33	25
3M-125-200/75	75	49	320		64	63	62	60	55	53	49	47	44	38	30
3M-125-200/90	90	54	320		71	70	69	66.5	61	59	54	52	49	42	35

VATTURE®

Bathtub pump

Automatic pump & variable-frequency pump

Air-conditioning pump

Self-priming pump

Automatic booster pump

Deep well pump

Submersible sewage pump

Inline pump

Hot water circulating pump

Fire fighting pump

Submersible pump

Swimming pool pump

Labels in the central diagram:

- 1. Bathtub
- 2. Swimming pool circulating and filtering
- 3. Rain water collection & land scape fountainsSystem
- 4. Fire fighting system
- 5. Cold and hot water circulation system
- 6. Pipeline pressurization
- 7. Sewage disposal
- 8. Draw wells
- 9. Family automatic pressurized water supply
- 10. Spray systems
- 11. Air conditioning water circulation system
- 12. Solar Variable-frequency water supply

Thank you for your attention to this product