

DRAINAGE PUMPS - DM SERIES (CONSTRUCTION DEWATERING)

Specifications

Pump Type	DM - 1M Series	DM - 2M Series
Power Range	1.5 - 15 kW	0.25 - 5.5 kW
Speed	2900 rpm	2900 rpm
Versions	3Ph, 380V, 50Hz	1Ph, 230V, 50Hz
		3Ph, 380V, 50Hz
Pole	2 Pole	2 Pole
Protection	IP 68	IP 68
Insulation Class	Class F	Class F
Max. immersion depth	50m	Upto 0.75 kW : 10m 1.5 to 5.5 kW : 50m
Max. liquid temperature	40°C	40°C
Impeller Type	Semi open multi channel	Semi open multi channel
Solid Handling Capacity	Upto 11.5 mm	Upto 8.5mm
Outlet Size	2", 3", 4" & 6"	2", 3" & 4"



DM - 2M Series



DM - 1M Series

Materials of Construction

Pump Type	DM - 1M Series	DM - 2M Series
Motor Body	Cast Iron	SS 304
Pump Casing	Cast Iron	Cast Iron
Shaft	SS 420	SS 420
Mechanical Seal	SiC - SiC	SiC-SiC / Carbon - Ceramic
Impeller	Cast Iron	Cast Iron
Cable	2PNCT-F	H07RN - F
Strainer	Mild Steel	SS 304
Hose Coupler	Cast Iron	ABS / SS 304

Performance Table - DM-2M Series (*All DM-2M Models are supplied with float options)

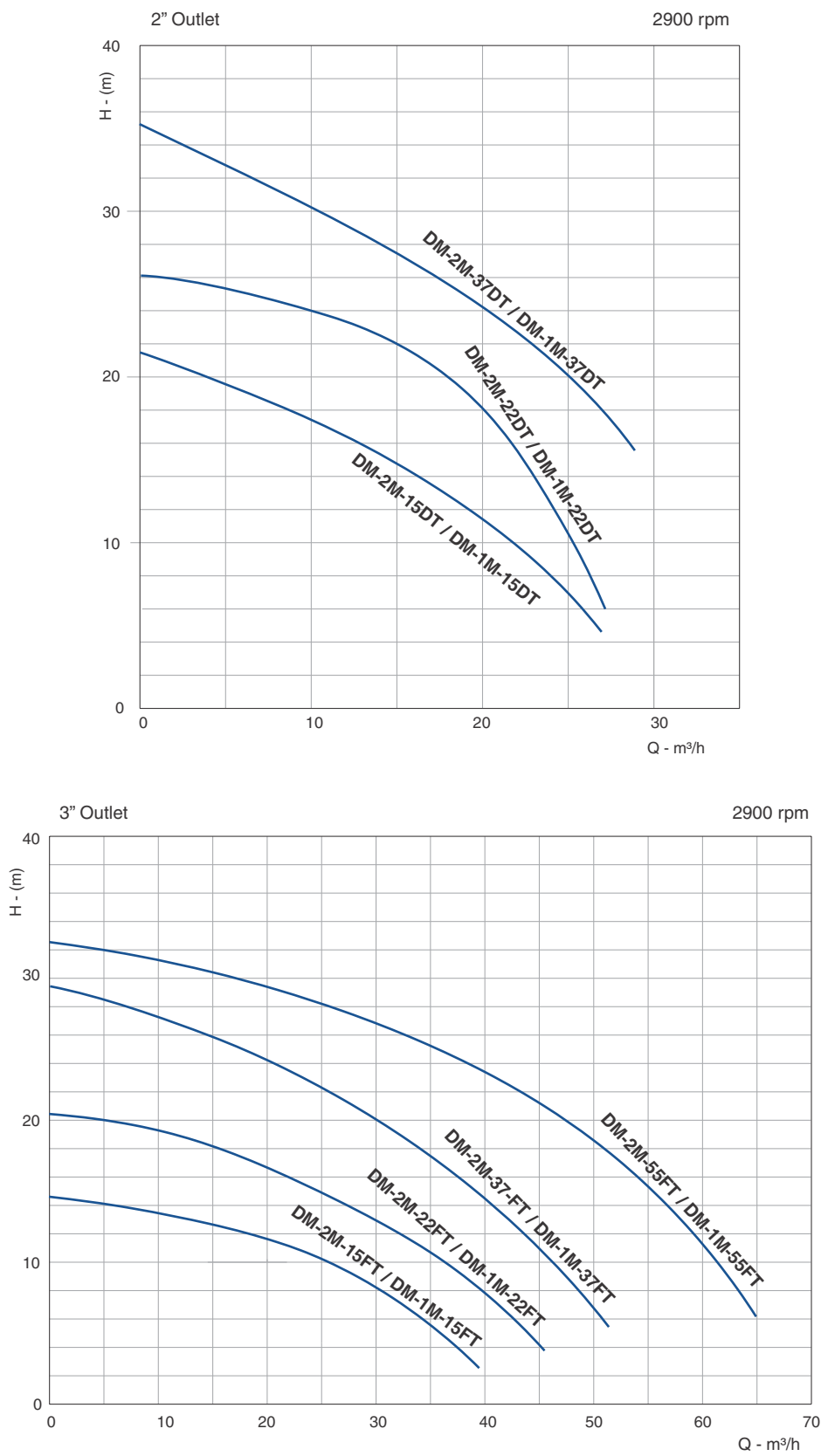
Model	Power - P2		Max. Solid Passage (mm)	Outlet size (mm)	Max Head	Max Flow	Duty Point		Dimensions (mm)		Weight (kg)
	kW	HP					Flow (m³/h)	Head (m)	Height	OD	
DM-2M-15DT	1.5	2	8.5	50	22	27	15	15	537	240	32.5
DM-2M-15FT	1.5	2	8.5	80	14.5	40	20	12	537	240	32.5
DM-2M-22DT	2.2	3	8.5	50	26	27	20	18	572	240	36
DM-2M-22FT	2.2	3	8.5	80	21	50	25	15	572	240	36
DM-2M-37DT	3.7	5	8.5	50	34	29	20	24	518	270	45
DM-2M-37FT	3.7	5	8.5	80	29	55	30	20	518	270	45
DM-2M-37GT	3.7	5	8.5	100	18	90	45	13	518	270	45
DM-2M-55FT	5.5	7.5	8.5	80	32	70	40	24	558	270	50
DM-2M-55GT	5.5	7.5	8.5	100	23	105	55	16	558	270	50

Performance Table - DM - 1M Series

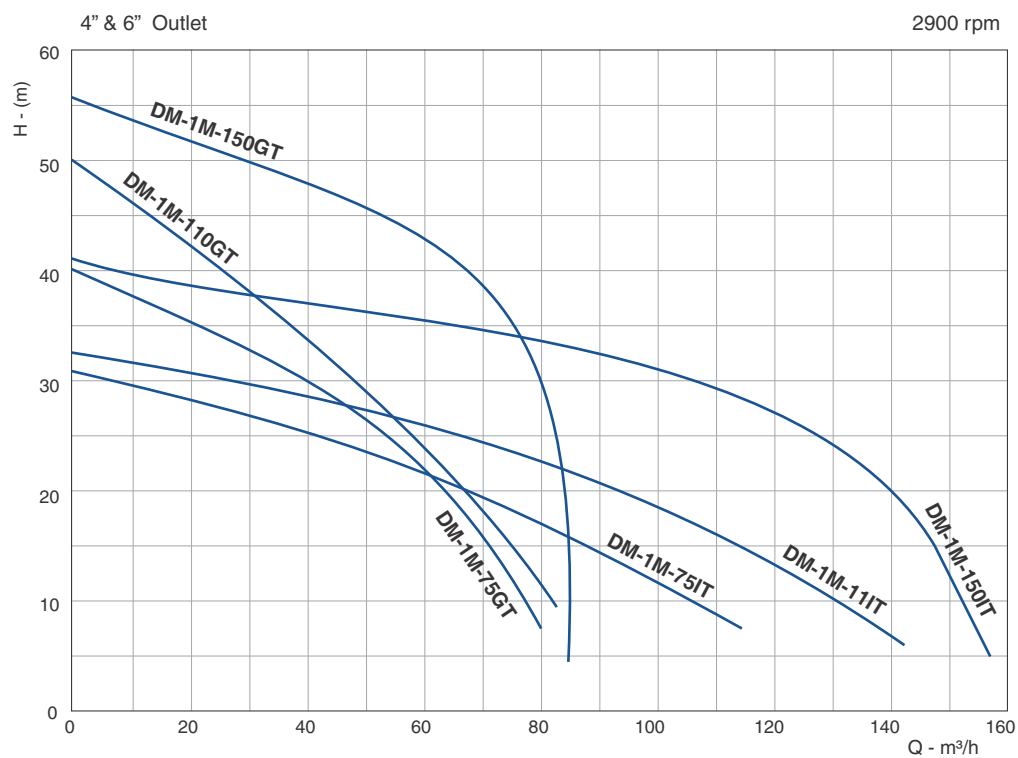
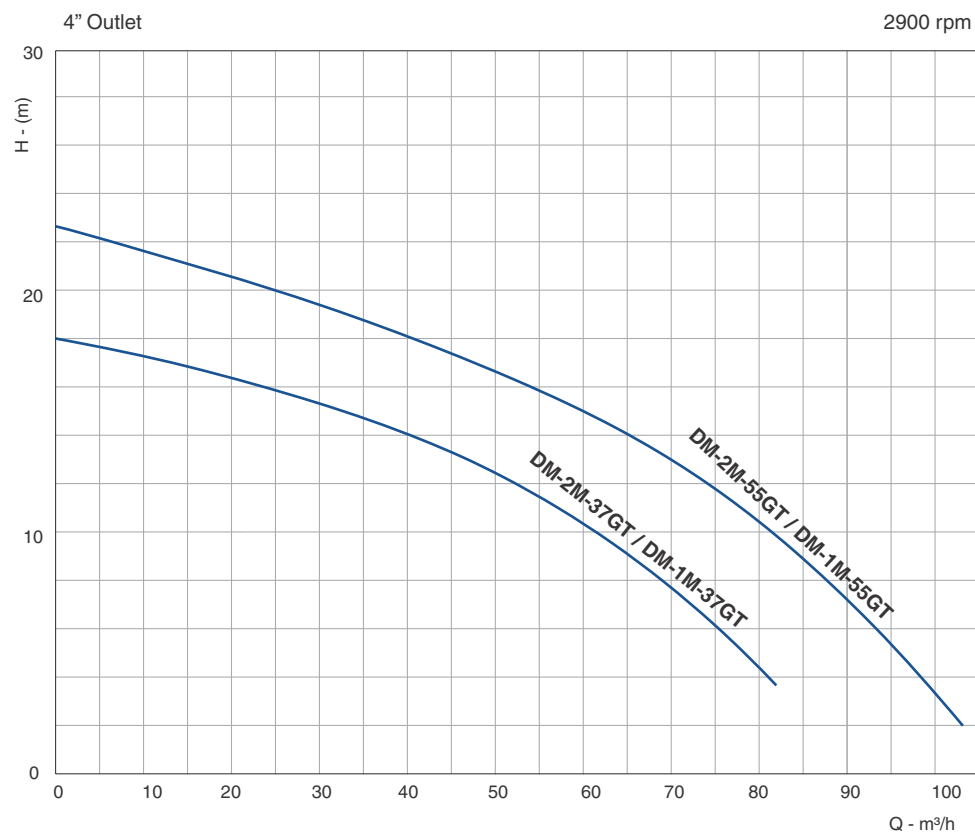
Model	Power - P2		Outlet size (mm)	Max.Solid Passage (mm)	Max Head (m)	Max Flow (m³/h)	Duty Point	
	kW	HP					Flow (m³/h)	Head (m)
DM-1M-15DT	1.5	2	50	8.5	22	27	15	15
DM-1M-22DT	2.2	3	50	8.5	26	27	20	18
DM-1M-37DT	3.7	5	50	8.5	34	29	20	24
DM-1M-15FT	1.5	2	80	8.5	14.5	40	20	12
DM-1M-22FT	2.2	3	80	8.5	21	50	25	15
DM-1M-37FT	3.7	5	80	8.5	29	55	30	20
DM-1M-55FT	5.5	7.5	80	8.5	32	70	40	24
DM-1M-37GT	3.7	5	100	8.5	18	90	40	13
DM-1M-55GT	5.5	7.5	100	8.5	23	105	55	16
DM-1M-75GT	7.5	10	100	11.5	40	84	50	26
DM-1M-110GT	11	15	100	11.5	48.5	86.4	50	28
DM-1M-150GT	15	20	100	11.5	56	86.4	60	42
DM-1M-75IT	7.5	10	150	19.5	31	124.8	70	19
DM-1M-110IT	11	15	150	19.5	32	147	80	22
DM-1M-150IT	15	20	150	19.5	40	156	100	30

*In view of continuous developments, the information / description / specifications / illustrations are subject to change without notice.

Performance Curves - DM Series

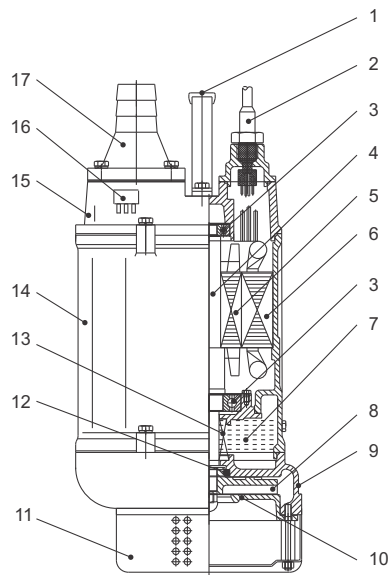


Performance Curves - DM Series



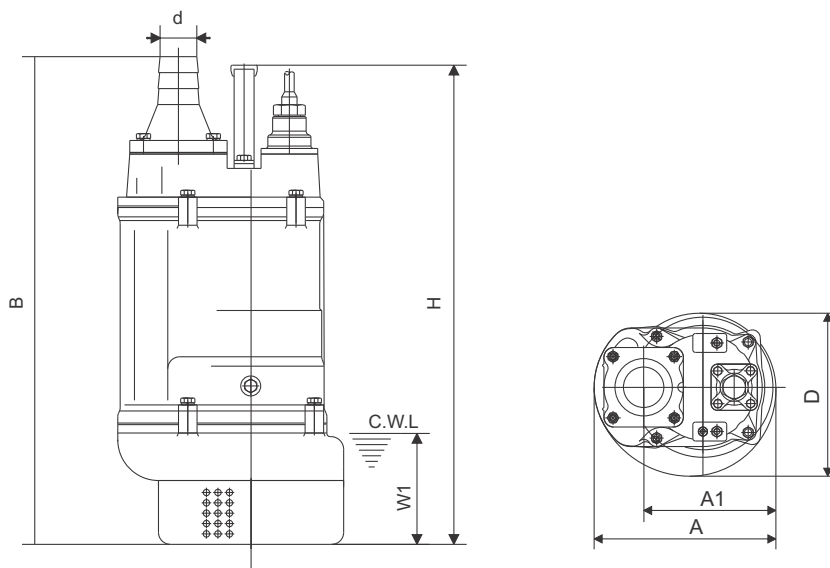
Note : Performance curve are as per specific gravity and viscosity of water.

Cut Sectional Drawing - DM - 1M Series



Item No.	Part Name
1	Handle
2	Cable
3	Bearing
4	Shaft
5	Rotor
6	Stator
7	Oil
8	Impeller
9	Pump Casing
10	Base Plate
11	Filter Strainer
12	Oil seal bracket
13	Mechanical seal
14	Motor body
15	Upper cover
16	Motor protector
17	Hose couples

Dimensional Details - DM - 1M Series



Model	d	A	A1	B	D	H	W1
DM-1M-15DT	50	235	173	517	216	486	120
DM-1M-15FT	80	235	173	517	216	486	120
DM-1M-21DT	50	235	173	517	216	486	120
DM-1M-22FT	80	235	173	517	216	486	120
DM-1M-37DT	50	283	208	628	252	638	150
DM-1M-37FT	80	283	208	628	252	638	150
DM-1M-37GT	100	283	208	642	252	638	150
DM-1M-55FT	80	306	218	671	259	688	150
DM-1M-55GT	100	306	218	686	259	688	150
DM-1M-75GT	100	330	240	764	314	676	190
DM-1M-110GT	100	373	255	807	350	695	190
DM-1M-75IT	150	330	240	790	314	676	190
DM-1M-110IT	150	373	255	807	350	695	190

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