

Openwell Horizontal Submersible Pumps

HM Series Performance Curves Data



Since 1969, MBH Pumps owned by Kamania family, manufactures and develops centrifugal pumps for submersible and surface installations. Over the years the Company has diversified its activity from the production of pumps for agricultural applications to Domestic, Industrial, Municipal waste water, Slurry, Water Intake and various other applications.

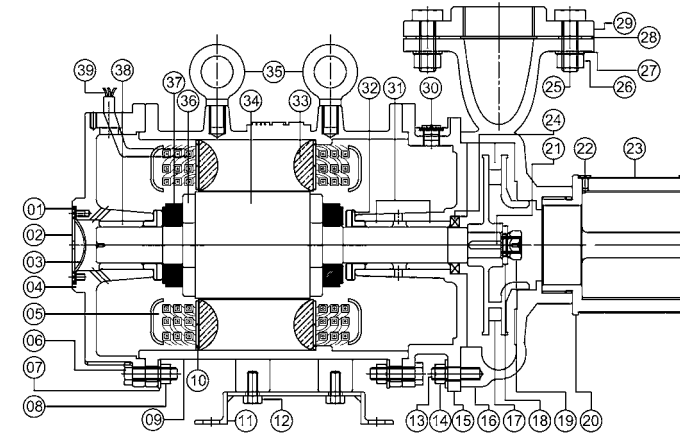
MBH Pumps is the right partner of every Company around the world because it is able to respond quickly and efficiently to the rapid market trends. The wide range of centrifugal pumps, the well-established experience and the continuous production quality improvement, has earned MBH pumps a well reputed name in the Competitive Market.

All pumps are manufactured according to international standards and technical specifications of the customer to successfully satisfy many application areas. Technologically innovative products that provide maximum performance with minimum energy consumption, able to provide the highest safety level, maintenance-free and ease of use conditions.



COMMERCIAL and INDUSTRIAL Solutions

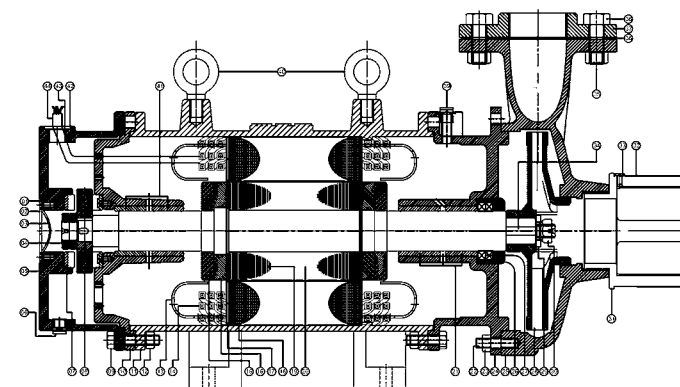
Cross Section - 2.0 HP • 3.0 HP • 5.0 HP • 6.5 HP (Standard M.O.C.)



SR.	DESCRIPTION	MATERIAL
1	M5 SCREW FOR BASE COVER	S.S.
2	BASE PLATE COVER	M.S.
3	RUBBER CUP	NITRILE RUBBER
4	LOWER HOUSING	C.I. IS-210 FG 200
5	WINDING SAFETY CAP	NYLON PLASTIC
6	HEX BOLT BASE + BODY FIT	M.S.
7	WASHER	S.S.
8	HEX NUT	M.S.
9	MOTOR BODY	C.I. IS-210 FG 200
10	END LAMINATION UP + LO SIDE	M.S.
11	BASE STAND	M.S.

SR.	DESCRIPTION	MATERIAL
12	HEX BOLT BASE STAND FIT	M.S.
13	STUD	S.S.
14	STUD HEX NUT	S.S.
15	UPPER HOUSING	C.I. IS-210 FG 200
16	VOLUTE	C.I. IS-210 FG 200
17	IMPELLER	C.I. IS-210 FG 200
18	LOCKING WASHER	S.S.
19	ROTOR NYLON NUT	M.S.
20	FOOT VALVE	C.I. IS-210 FG 200
21	IMPELLER KEY	S.S.
22	M5 SCREW FOR STRAINER	S.S.
23	STRAINER	S.S.
24	OIL SEAL	RUBBER STANDARD
25	HEX. BOLT FOR VOLUTE DELI. FLANGE	M.S.
26	HEX. NUT FOR VOLUTE DELI. FLANGE	M.S.
27	WASHER	S.S.
28	FLANGE PACKING RUBBER	NITRILE RUBBER
29	DELIVERY FLANGE	C.I. IS-210 FG 200
30	DRAIN PLUG	BRASS
31	UPPER BEARING BUSH	L.T.B. - 4
32	C.T. BEARING (LEFT-RIGHT)	L.T.B. - 4
33	STATOR STAMPING	CRNO
34	ROTOR STAMPING	CRNO
35	LYL BOLT	M.S.
36	BALANCE RING (LEFT - RIGHT)	C.I. IS-210 FG 200
37	UP + LO SIDE REVOLVING PLATE	C.I. - CARBON
38	LOWER BEARING BUSH	L.T.B. - 4
39	CABLE	STANDARD

Cross Section - 7.5 HP • 10 HP • 12.5 HP • 15 HP • 20 HP • 25 HP • 30 HP • 40 HP (Standard M.O.C.)

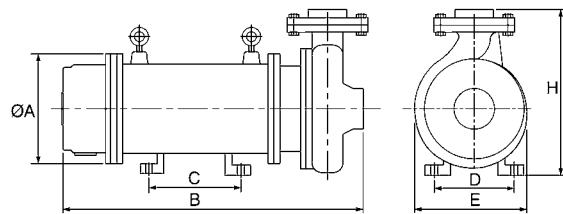


SR.	DESCRIPTION	MATERIAL
1	M5 SCREW FOR BASE COVER	S.S.
2	BASE PLATE COVER	M.S.
3	RUBBER CUP	NITRILE RUBBER
4	CHECK NUT	S.S.
5	MOTOR BASE	C.I. IS-210 FG 200
6	DRAIN PLUG	BRASS
7	C.T. BEARING	S.S.
8	REVOLVING PLAT	C.I. + CARBON
9	HEX BOLT BASE +HO+BODY FIT	S.S.
10	LOWER HOUSING	C.I. IS-210 FG 200
11	MOTOR BODY	C.I. IS-210 FG 200
12	HEX NUT	S.S.
13	WINDING SAFETY CAP	NYLON PLASTIC
14	WINDING COILS	PVC

SR.	DESCRIPTION	MATERIAL
15	BALANCING RING UP + LO SIDE	C.I. IS-210 FG 200
16	COPPER RING (UP + LO SIDE)	COPPER
17	END LAMINATION (UP + LO SIDE)	M.S.
18	STATOR STAMPING	CRNO.
19	ROTOR STAMPING	CRNO.
20	ROTOR COMPLETE	
21	BUSH UPPER HOUSING	L.T.B. - 4
22	STUD UPPER HO + VOLUTE FIT	S.S.
23	STUD HEX NUT	S.S.
24	UPPER HOUSING	C.I. IS-210 FG 200
25	VOLUTE	C.I. IS-210 FG 200
26	SAND GUARD	PLASTIC
27	OIL SEAL	RUBBER STANDARD
28	IMPELLER	C.I. IS-210 FG 200
29	LOCKING WASHER	S.S.
30	HEX NUT IMPELLER LOCK FIT	S.S.
31	FOOT VALVE	C.I. IS-210 FG 200
32	FOOT VALVE STRAINER	S.S.
33	M5 SCREW FOR STRAINER	S.S.
34	IMPELLER KEY	S.S.
35	HEX. BOLT FOR VOLUTE DELI. FLANGE	M.S.
36	FLANGE PACKING RUBBER	NITRILE RUBBER
37	DELI VARY FLANGE	C.I. IS-210 FG 200
38	HEX. NUT FOR VOLUTE DELI. FLANGE	M.S.
39	DRAIN PLUG	BRASS
40	EYE BOLT	M.S.
41	BUSH LOWER HOUSING	L.T.B.- 4
42	CABLE CLIP + M5 SCREW FIT	S.S.
43	GROMMET	NITRILE RUBBER
44	CABLE	STANDARD

GA Drawing Dimension

No.	Model	HP	Suc.x Del. in mm	A	B	C	D	E	H	Net Wt. in kg	Gross Wt. in kg
1	HM2H15	2.0	50 x 38	178	427	122	130	194	264	40	43
2	HM2H2	2.0	50 x 50	178	427	122	130	194	264	40	43
3	HM3HH252	3.0	65 x 50	222	399	122	130	210	325	50	55
4	HM3H2	3.0	65 x 50	222	392	122	130	214	311	45	50
5	HM3L25	3.0	65 x 65	222	392	122	130	214	311	45	50
6	HM3L3	3.0	75 x 75	222	426	122	130	257	324	51	56
7	HM5HH252	5.0	65 x 50	227	442	224	163	258	362	59	64
8	HM5H2	5.0	65 x 50	227	438	224	163	238	349	59	64
9	HM5L25	5.0	65 x 65	227	438	224	163	238	349	60	65
10	HM5L3	5.0	75 x 75	227	453	224	163	267	387	60	65
11	HM5L4	5.0	100 x 100	227	449	224	163	270	364	62	67
12	HM65HH252	6.5	65 x 50	227	451	224	163	272	370	62	67
13	HM65H2	6.5	65 x 50	227	452	224	163	258	362	62	67
14	HM65L3	6.5	75 x 75	227	463	224	163	267	387	62	67
15	HM65L4	6.5	100 x 100	227	463	224	163	292	402	64	69
16	HM75HH252	7.5	65 x 50	227	543	169	127	272	367	74	99
17	HM75H2	7.5	65 x 50	227	544	169	127	258	359	74	99
18	HM75L3	7.5	75 x 75	227	555	169	127	267	384	75	100
19	HM75L325	7.5	75 x 65	227	555	169	127	267	384	75	100
20	HM75L4	7.5	100 x 100	227	555	169	127	292	399	82	107
21	HM10HH2	10.0	65 x 50	227	568	192	127	272	368	79	104
22	HM10H2	10.0	65 x 50	227	568	192	127	272	368	79	104
23	HM10L3	10.0	75 x 75	227	580	192	127	267	385	80	105
24	HM10L4	10.0	100 x 100	227	580	192	127	292	400	86	111
25	HM125H2	12.5	65 x 50	250	627	328	183	319	420	108	133
26	HM125L3	12.5	75 x 75	250	635	328	183	298	382	104	129
27	HM125L4	12.5	100 x 100	250	635	328	183	296	434	109	134
28	HM125L5	12.5	125 x 125	250	635	328	183	310	466	115	140
29	HM15H2	15.0	65 x 50	250	647	328	183	319	420	109	134
30	HM15L3	15.0	75 x 75	250	655	328	183	298	382	108	133
31	HM15L4	15.0	100 x 100	250	655	328	183	296	434	113	138
32	HM15L5	15.0	125 x 125	250	655	328	183	310	466	118	143
33	HM20H2	20.0	65 x 50	250	717	328	183	319	420	125	155
34	HM20L3	20.0	75 x 75	250	727	328	183	327	438	124	154
35	HM20L4	20.0	100 x 100	250	742	328	183	344	490	136	166
36	HM20L5	20.0	125 x 125	250	740	328	183	310	466	135	165
37	HM25L3	25.0	75 x 75	268	828	282	187	327	416	152	182
38	HM25L4	25.0	100 x 100	268	839	282	187	344	468	160	190
39	HM25L5	25.0	125 x 125	268	834	282	187	342	466	167	197
40	HM30L3	30.0	75 x 75	268	878	282	187	327	416	165	205
41	HM30L4	30.0	100 x 100	268	889	282	187	344	468	173	213
42	HM30L5	30.0	125 x 125	268	884	282	187	342	466	180	220
43	HM30L6	30.0	150 x 150	268	923	282	187	356	494	204	244
44	HM40L4	40.0	100 x 100	310	972	295	197	354	467	223	263
45	HM40L5	40.0	125 x 125	310	959	295	197	342	480	230	270
46	HM40L6	40.0	150 x 150	310	998	295	197	356	508	254	294



All Dimension are in mm

ØA	B	C	D	E	H
±2	±10	±2	±2	±5	±10

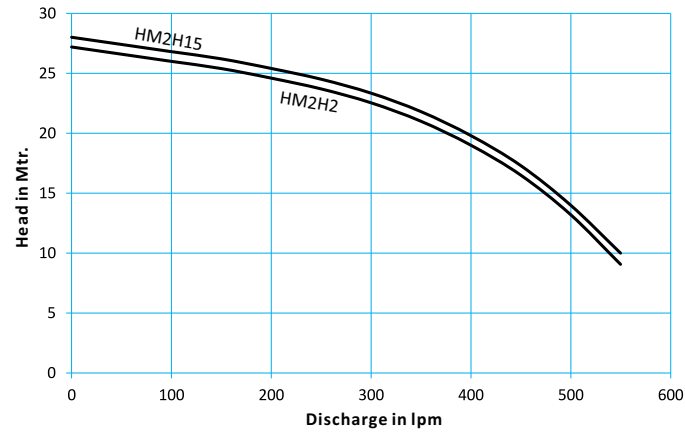


Performance Chart • Model : 2 HP to 40 HP

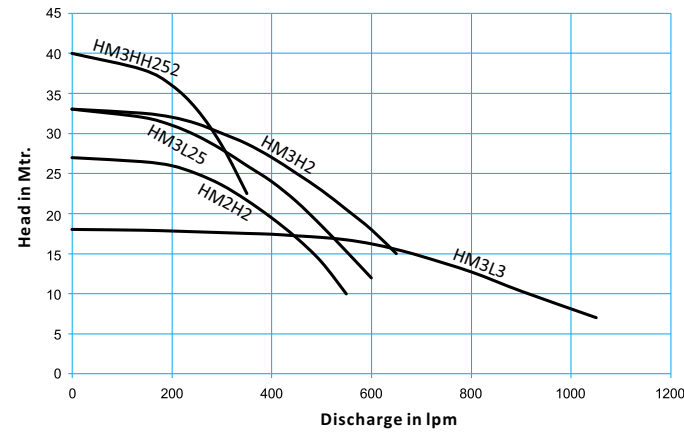
No.	Model	HP	Suc.x Del. in mm	HEAD IN METERS																			
				7.5	10.0	12.5	15	17.5	20	22.5	25	27.5	30	33	35	38	40	43	45	48	50	53	
1	HM2H15	2.0	50 x 38	-	540	520	480	430	400	320	250	-	-	-	-	-	-	-	-	-	-	-	-
2	HM2H2	2.0	50 x 50	-	540	520	480	430	400	320	250	-	-	-	-	-	-	-	-	-	-	-	-
3	HM3HH252	3.0	65 x 50	-	-	-	-	-	-	350	325	300	290	260	200	140	-	-	-	-	-	-	-
4	HM3H2	3.0	65 x 50	-	-	-	650	610	590	520	470	410	330	-	-	-	-	-	-	-	-	-	-
5	HM3L25	3.0	65 x 65	-	-	600	550	510	480	450	350	270	230	-	-	-	-	-	-	-	-	-	-
6	HM3L3	3.0	75 x 75	1050	900	800	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	HM5HH252	5.0	65 x 50	-	-	-	-	-	-	-	-	680	630	540	470	410	310	130	-	-	-	-	-
8	HM5H2	5.0	65 x 50	-	-	-	-	-	740	720	700	680	530	540	480	400	-	-	-	-	-	-	-
9	HM5L25	5.0	65 x 65	-	-	-	-	760	720	675	640	540	470	290	-	-	-	-	-	-	-	-	-
10	HM5L3	5.0	75 x 75	-	1120	1080	1000	900	800	630	400	-	-	-	-	-	-	-	-	-	-	-	-
11	HM5L4	5.0	100 x 100	1550	1450	1200	1050	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	HM65HH252	6.5	65 x 50	-	-	-	-	-	-	-	-	-	750	670	640	550	490	390	270	130	-	-	-
13	HM65H2	6.5	65 x 50	-	-	-	-	-	-	810	750	700	600	540	300	170	-	-	-	-	-	-	-
14	HM65L3	6.5	75 x 75	-	-	-	1350	1220	1140	1030	800	400	-	-	-	-	-	-	-	-	-	-	-
15	HM65L4	6.5	100 x 100	1550	1450	1280	1110	950	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	HM75HH252	7.5	65 x 50	-	-	-	-	-	-	-	-	-	-	830	780	740	680	600	500	380	210	-	-
17	HM75H2	7.5	65 x 50	-	-	-	-	-	-	-	-	-	780	750	700	650	590	520	450	150	-	-	-
18	HM75L3	7.5	75 x 75	-	-	-	1330	1300	1240	1120	1000	850	180	-	-	-	-	-	-	-	-	-	-
19	HM75L325	7.5	75 x 65	-	-	1330	1300	1240	1120	1000	850	500	-	-	-	-	-	-	-	-	-	-	-
20	HM75L4	7.5	100 x 100	-	-	1375	1310	1230	1025	800	300	-	-	-	-	-	-	-	-	-	-	-	-
21	HM10HH2	10.0	65 x 50	-	-	-	-	-	-	-	-	-	-	-	730	710	700	680	665	650	510	200	-
22	HM10H2	10.0	65 x 50	-	-	-	-	-	-	-	-	-	-	800	780	750	680	620	580	400	300	-	-
23	HM10L3	10.0	75 x 75	-	-	-	-	1550	1500	1400	1300	1230	1150	940	650	-	-	-	-	-	-	-	-
24	HM10L4	10.0	100 x 100	-	-	-	1780	1620	1550	1450	1350	-	-	-	-	-	-	-	-	-	-	-	-

No.	Model	HP	Suc.x Del. in mm	HEAD IN METERS																										
				10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	75	80
25	HM125H2	12.5	65 x 50	-	-	-	-	-	-	-	-	-	-	-	-	-	800	790	780	760	700	580	-	-	-	-	-	-	-	-
26	HM125L3	12.5	75 x 75	-	-	-	-	-	-	1800	1690	1540	1400	1170	1010	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	HM125L4	12.5	100 x 100	-	-	2150	2070	1970	1850	1630	1370	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	HM125L5	12.5	125 x 125	2600	2520	2300	2000	1650	1480	1200	950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	HM15H2	15.0	65 x 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	880	870	860	850	790	660	-	-	-	-	-	-
30	HM15L3	15.0	75 x 75	-	-	-	-	-	2020	1900	1800	1700	1550	1420	1320	990	500	-	-	-	-	-	-	-	-	-	-	-	-	-
31	HM15L4	15.0	100 x 100	-	-	-	2150	1900	1850	1700	1450	940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	HM15L5	15.0	125 x 125	3150	3100	2980	2650	2450	2150	1850	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	HM20H2	20.0	65 x 50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	960	950	940	930	920	910	900	850	800	-	-	-
34	HM20L3	20.0	75 x 75	-	-	-	-	-	-	-	-	-	-	-	1950	1850	1750	1550	1450	1310	1000	800	-	-	-	-	-	-	-	-
35	HM20L4	20.0	100 x 100	-	-	-																								

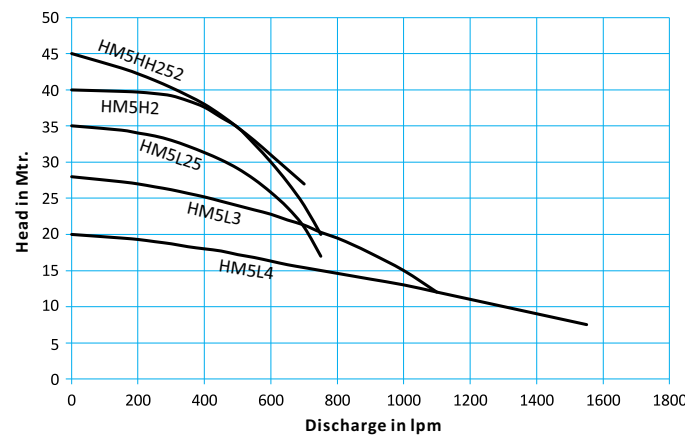
Performance Curves • Model : 2 HP



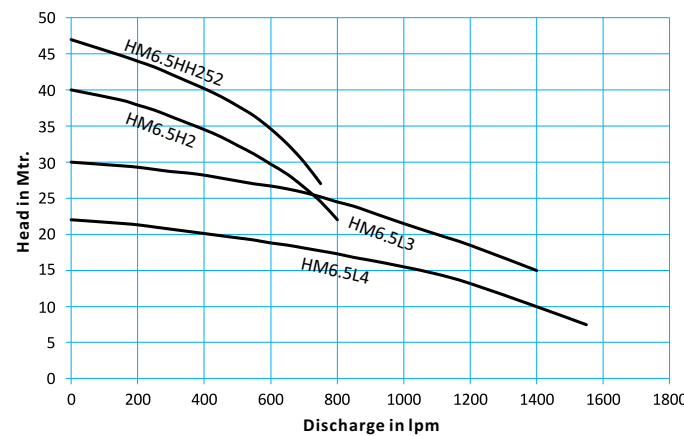
Performance Curves • Model : 3 HP



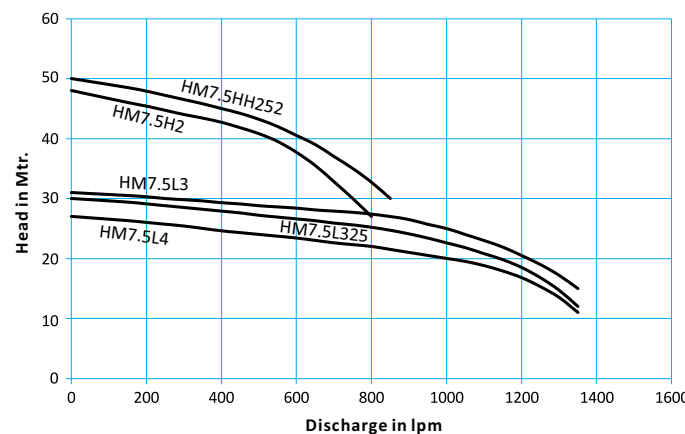
Performance Curves • Model : 5 HP



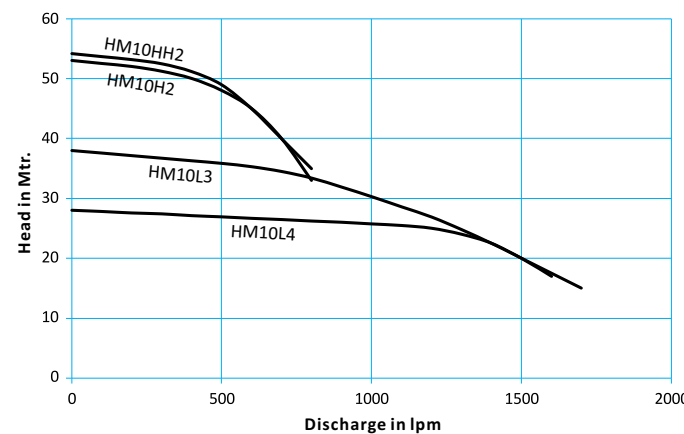
Performance Curves • Model : 6.5 HP



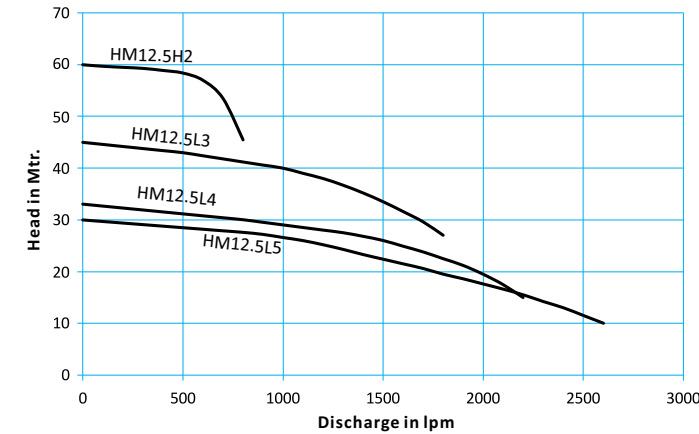
Performance Curves • Model : 7.5 HP



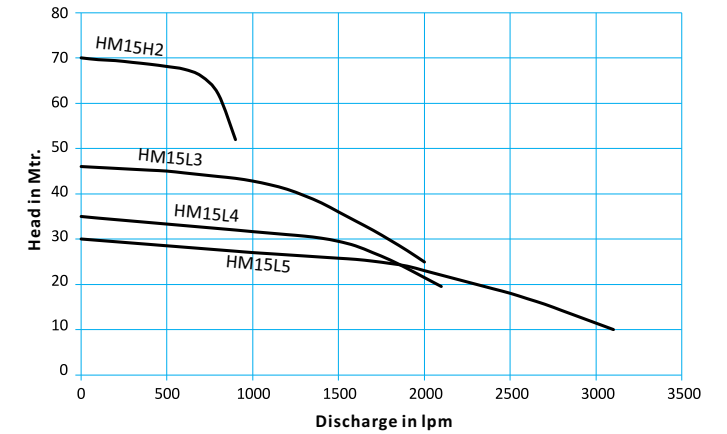
Performance Curves • Model : 10 HP



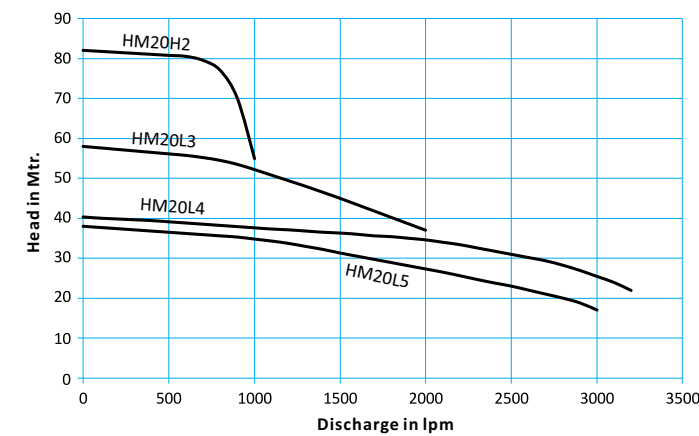
Performance Curves • Model : 12.5 HP



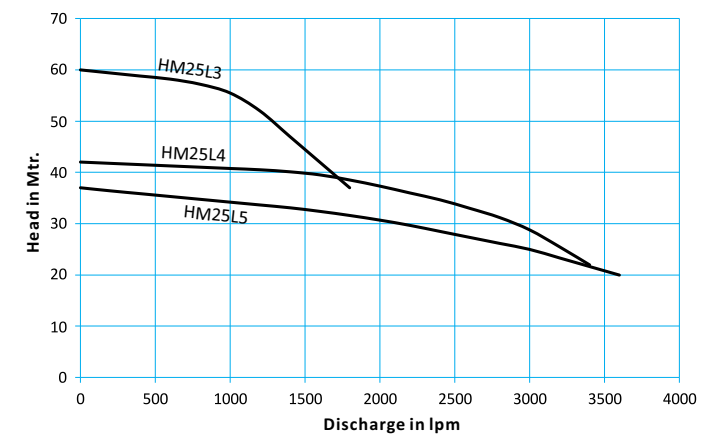
Performance Curves • Model : 15 HP



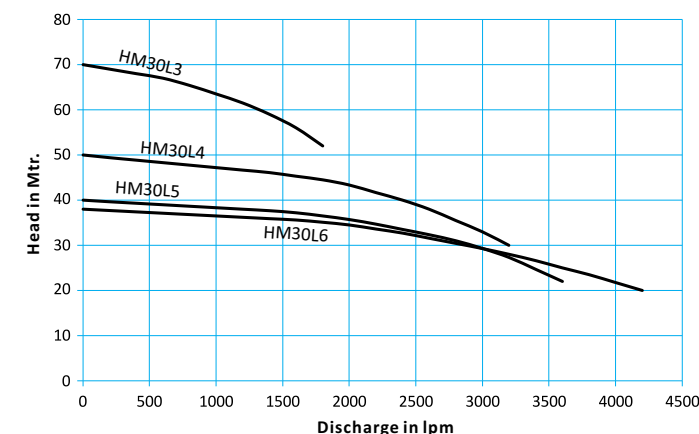
Performance Curves • Model : 20 HP



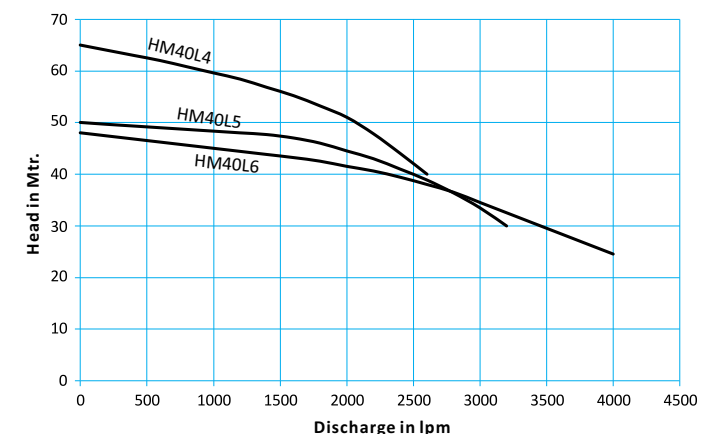
Performance Curves • Model : 25 HP



Performance Curves • Model : 30 HP



Performance Curves • Model : 40 HP





“ Fresh water is becoming increasingly scarce worldwide. That is why we consider it as our responsibility to develop pumps and systems that can use to obtain and use this precious resource in the most efficient way possible – now and in the future. ”

Specifications and performance are subject to change without prior notice.

MBH[®]
PUMPS

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