

6-8-10LMG lines

Deepwell Borehole



Submersible multistage centrifugal pumps for 6", 8", 10" wells. Check valve built into the delivery outlet. The motor bracket and coupling are made according to NEMA standards. Most common applications are civil and agricultural.

Construction features

Suction and delivery outlet	cast iron GG25
Valve	stainless steel AISI 304
Impellers and diffusers	cast iron GG25; AISI 304 impeller on request
Upper bushings	NBR rubber
Shaft pump side	stainless steel AISI 304
Quantity of sand in the water	max 50 g/m ³

Motor

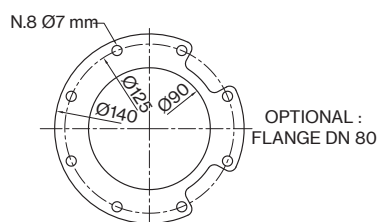
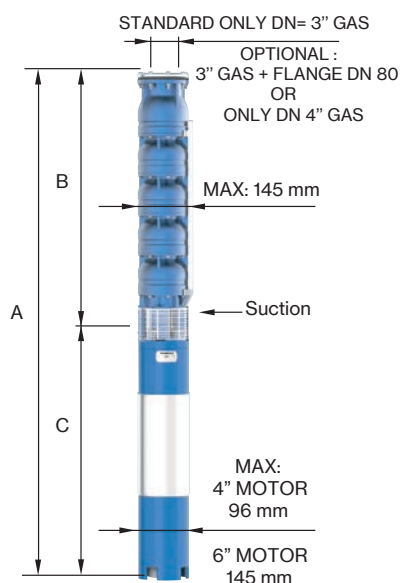
Asynchronous 2 pole	rewindable water cooled
Insulation class	Y (max 30 °C) - PPC winding type F (max 50 °C) - PE2+PA or LPE winding type
Protection degree	IP68
Liquid temperature	max 30 °C (max 50 °C on request)
Depth of immersion	max 350 m



60 Hz - 3500 rpm			Q							
TYPE	P2		l/min	0	360	480	600	720	840	960
			l/sec	0	6	8	10	12	14	16
	HP	kW	m³/h	0	21,6	28,8	36	43,2	50,4	57,6
6LMG 38/01	3	2,2	H (m)	21	17	16	14	13	11	7
6LMG 38/02	7,5	5,5		41	35	32	29	26	21	14
6LMG 38/03	10	7,5		62	52	48	43	39	32	22
6LMG 38/04	12,5	9,2		82	69	63	58	53	43	29
6LMG 38/05	15	11		103	86	79	72	66	53	36
6LMG 38/06	17,5	13		123	104	95	86	79	64	43
6LMG 38/07	20	15		144	121	111	101	92	75	50
6LMG 38/08	25	18,5		165	138	127	115	105	86	58
6LMG 38/09	30	22		185	156	143	130	118	96	65
6LMG 38/10	30	22		206	173	158	144	132	107	72
6LMG 38/11	35	26		226	190	174	158	145	118	79
6LMG 38/12	35	26		247	207	190	173	158	128	86
6LMG 38/13	40	30		267	225	206	187	171	139	94
6LMG 38/14	40	30		288	242	222	202	184	150	101
6LMG 38/15	50	37		309	259	238	216	197	160	108
6LMG 38/16	50	37		329	276	253	230	211	171	115
6LMG 38/17	50	37		350	294	269	245	224	182	122

Max Eff. % =	74
Max kW / St. =	2,11

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,8	8

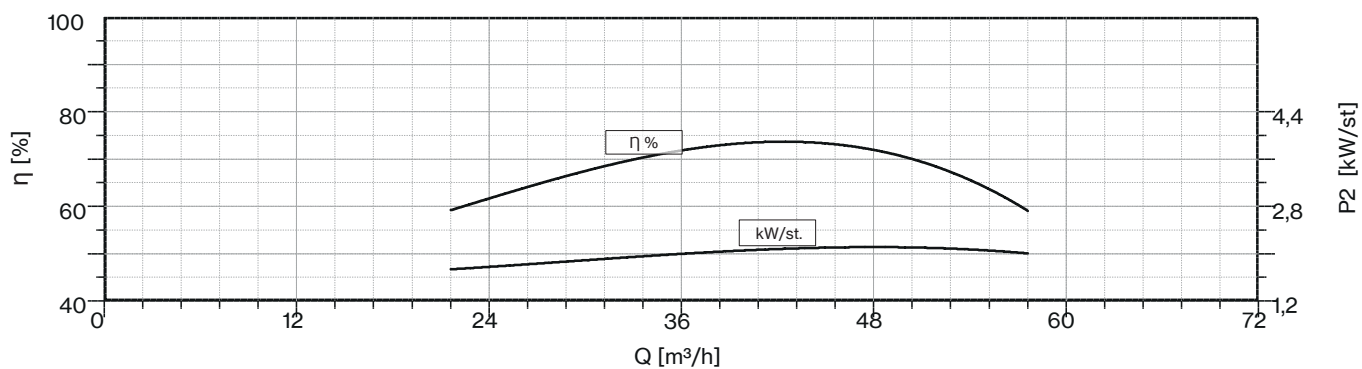
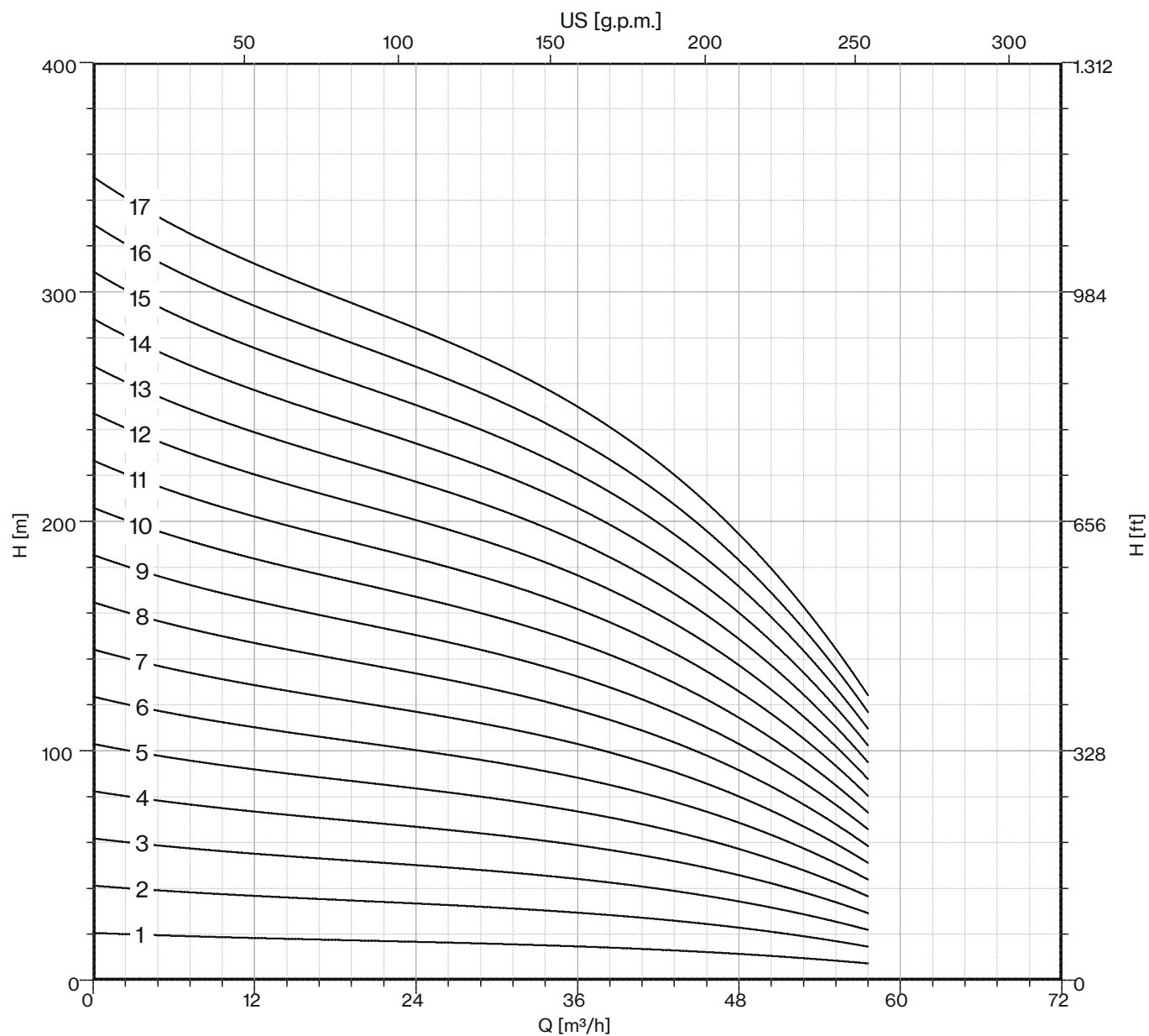


FOR COMMERCIAL TUBE
 EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 38/01-4	4" NEMA	846	394	452	15	11
6LMG 38/02-4		1193	495	698	27	15
6LMG 38/03		1297	596	701	55	19
6LMG 38/04		1448	697	751	60	23
6LMG 38/05	6" NEMA	1609	798	811	65	28
6LMG 38/06		1740	899	841	70	32
6LMG 38/07		1931	1000	931	75	36
6LMG 38/08		2092	1101	991	83	40
6LMG 38/09		2273	1202	1071	92	44
6LMG 38/10		2374	1303	1071	92	48
6LMG 38/11		2585	1404	1181	100	52
6LMG 38/12		2686	1505	1181	100	56
6LMG 38/13		2857	1606	1251	108	60
6LMG 38/14		2958	1707	1251	108	64
6LMG 38/15		3149	1808	1341	118	69
6LMG 38/16		3250	1909	1341	118	73
6LMG 38/17		3351	2010	1341	118	77



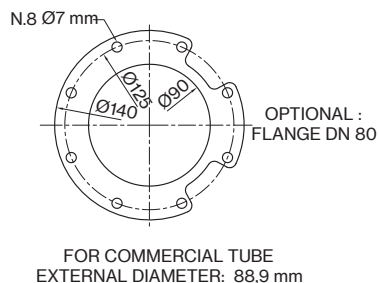
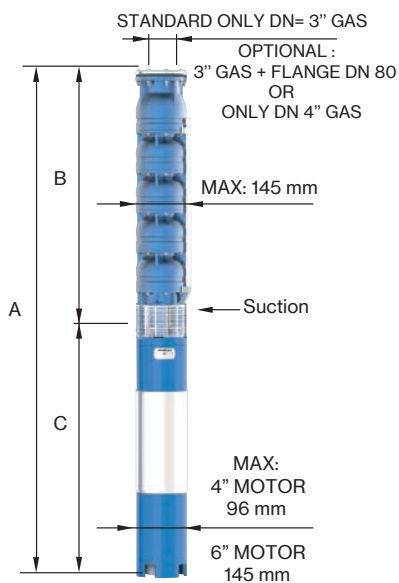
6LMG 38



60 Hz - 3500 rpm				Q							
TYPE	P2		l/min	0	480	600	720	840	960	1080	1200
			l/sec	0	8	10	12	14	16	18	20
	HP	kW	m³/h	0	28,8	36	43,2	50,4	57,6	64,8	72
6LMG 48/01	3	2,2	H (m)	19	15	15	14	12	10	8	5
6LMG 48/02	7,5	5,5		38	31	29	27	24	21	16	10
6LMG 48/03	10	7,5		58	46	44	41	37	31	24	14
6LMG 48/04	12,5	9,2		77	61	59	55	49	41	32	19
6LMG 48/05	17,5	13		96	77	73	68	61	52	40	24
6LMG 48/06	20	15		115	92	88	82	73	62	48	29
6LMG 48/07	25	18,5		134	108	102	96	86	72	55	34
6LMG 48/08	25	18,5		154	123	117	109	98	83	63	38
6LMG 48/09	30	22		173	138	132	123	110	93	71	43
6LMG 48/10	35	26		192	154	146	137	122	103	79	48
6LMG 48/11	35	26		211	169	161	150	135	114	87	53
6LMG 48/12	40	30		230	184	176	164	147	124	95	58
6LMG 48/13	40	30		250	200	190	178	159	134	103	62
6LMG 48/14	50	37		269	215	205	192	171	144	111	67
6LMG 48/15	50	37		288	230	220	205	184	155	119	72
6LMG 48/16	50	37		307	246	234	219	196	165	127	77

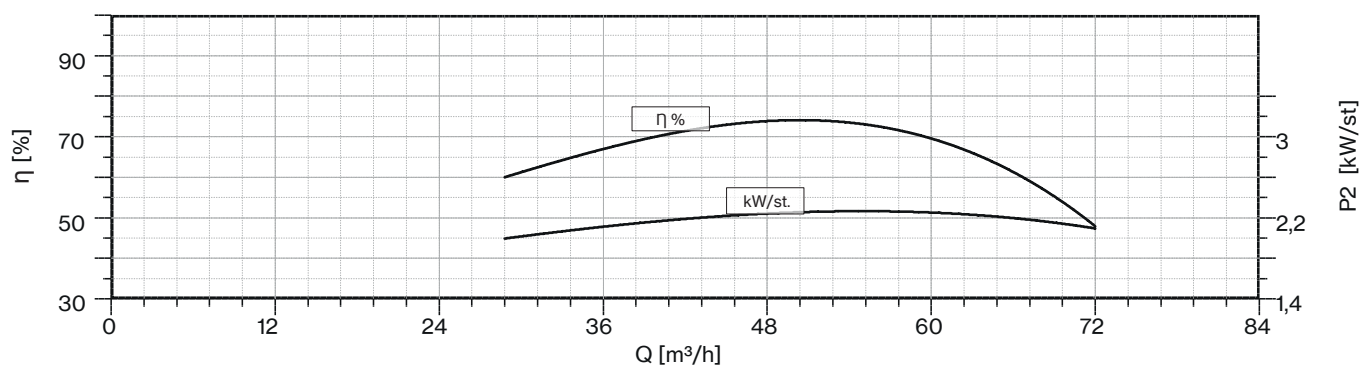
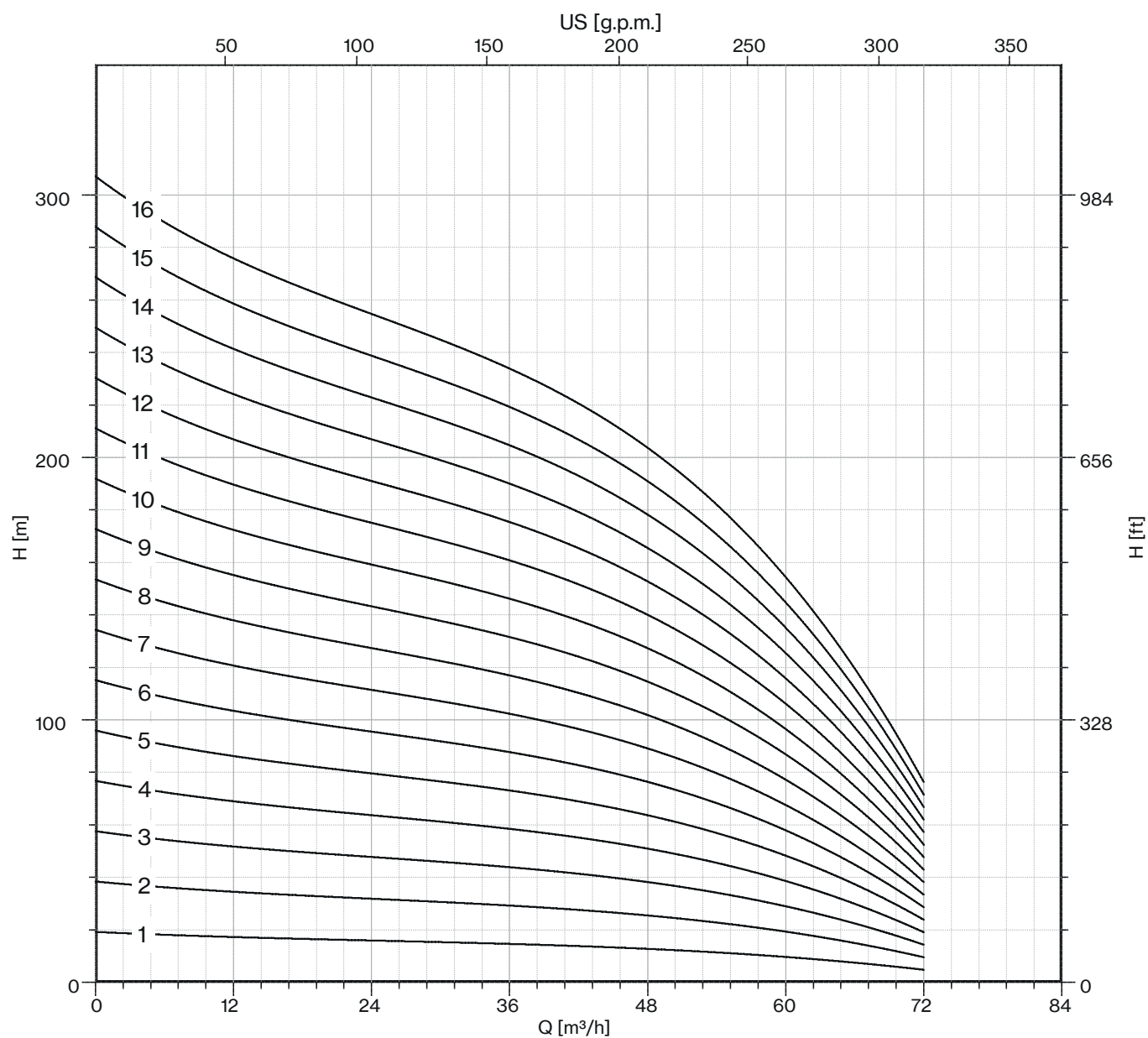
Max Eff. % =	74
Max kW / St. =	2,28

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,45	3,5	3,8	5



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 48/01-4	4" NEMA	846	394	452	15	11
6LMG 48/02-4		1193	495	698	27	15
6LMG 48/03	6" NEMA	1297	596	701	55	19
6LMG 48/04		1448	697	751	60	23
6LMG 48/05		1639	798	841	70	28
6LMG 48/06		1830	899	931	75	32
6LMG 48/07		1991	1000	991	83	36
6LMG 48/08		2092	1101	991	83	40
6LMG 48/09		2273	1202	1071	92	44
6LMG 48/10		2484	1303	1181	100	48
6LMG 48/11		2585	1404	1181	100	52
6LMG 48/12		2756	1505	1251	108	56
6LMG 48/13		2857	1606	1251	108	60
6LMG 48/14		3048	1707	1341	118	64
6LMG 48/15		3149	1808	1341	118	69
6LMG 48/16		3250	1909	1341	118	73

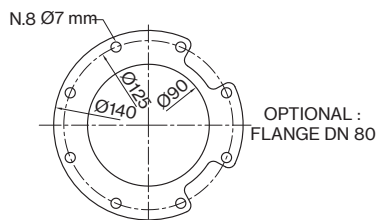
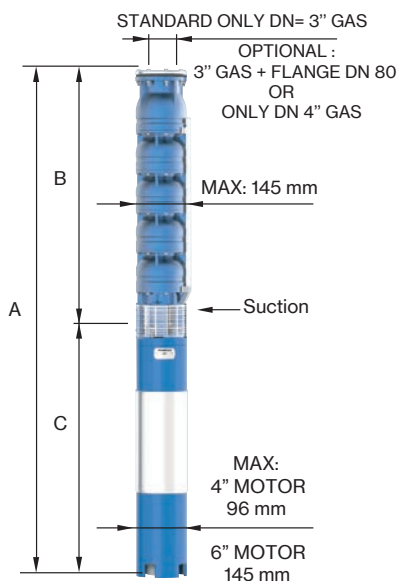




60 Hz - 3500 rpm			Q						
TYPE	P2		l/min	0	600	720	960	1200	1440
			l/sec	0	10	12	16	20	24
	HP	kW	m³/h	0	36	43,2	57,6	72	86,4
6LMG 60/01	4	3	H (m)	19	14,4	13,5	11	8	4
6LMG 60/02	7,5	5,5		37	29	27	23	17	7
6LMG 60/03	10	7,5		56	43	41	34	25	11
6LMG 60/04	15	11		75	58	54	46	34	15
6LMG 60/05	17,5	13		94	72	68	57	42	19
6LMG 60/06	20	15		112	86	81	69	51	22
6LMG 60/07	25	18,5		131	101	95	80	59	26
6LMG 60/08	30	22		150	115	108	92	68	30
6LMG 60/09	35	26		168	130	122	103	76	34
6LMG 60/10	35	26		187	144	135	114	85	37
6LMG 60/11	40	30		206	158	149	126	93	41
6LMG 60/12	40	30		225	173	162	137	102	45
6LMG 60/13	50	37		243	187	176	149	110	49
6LMG 60/14	50	37		262	202	190	160	119	52
6LMG 60/15	50	37		281	216	203	172	127	56

Max Eff. % =	73,6
Max kW / St. =	2,49

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1

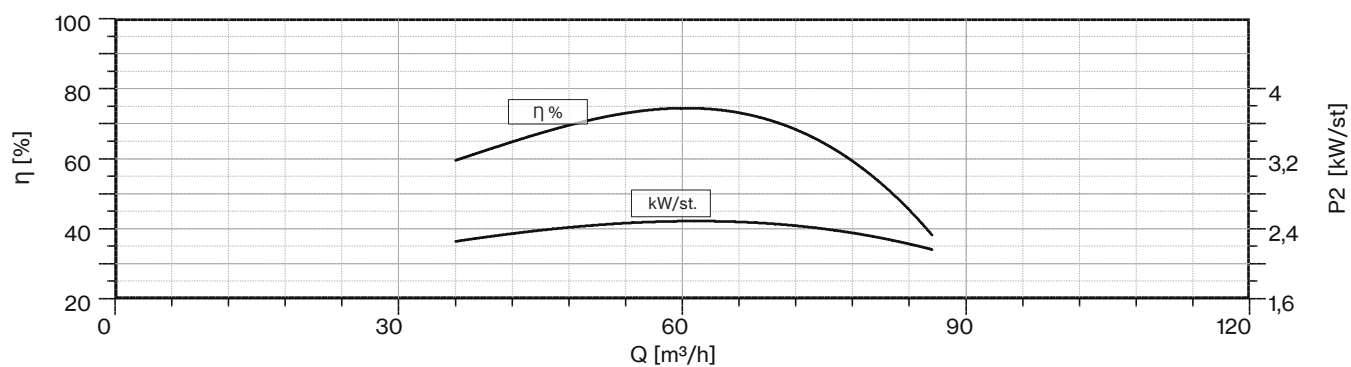
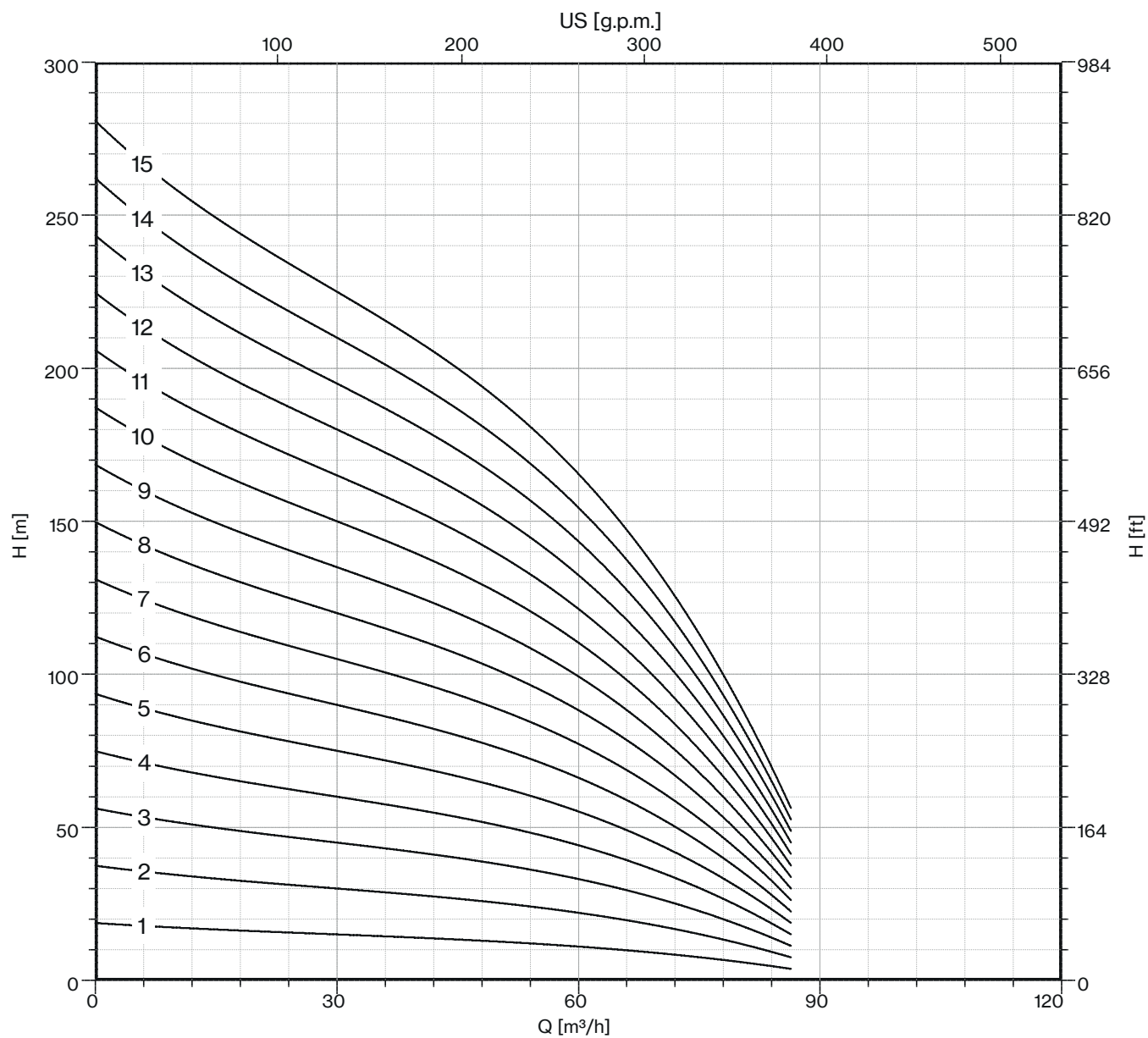


FOR COMMERCIAL TUBE
 EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 60/01-4	4" NEMA	957	400	557	19	12
6LMG 60/02-4		1205	507	698	27	16
6LMG 60/03	6" NEMA	1315	614	701	55	21
6LMG 60/04		1532	721	811	65	25
6LMG 60/05		1669	828	841	70	30
6LMG 60/06		1866	935	931	75	34
6LMG 60/07		2033	1042	991	83	39
6LMG 60/08		2220	1149	1071	92	43
6LMG 60/09		2437	1256	1181	100	48
6LMG 60/10		2544	1363	1181	100	52
6LMG 60/11		2721	1470	1251	108	57
6LMG 60/12		2828	1577	1251	108	61
6LMG 60/13		3025	1684	1341	118	66
6LMG 60/14		3132	1791	1341	118	70
6LMG 60/15		3239	1898	1341	118	75



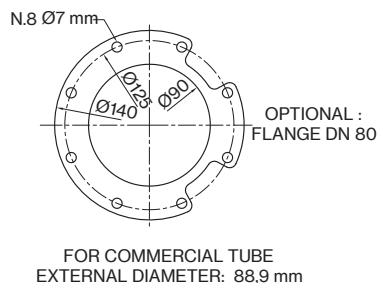
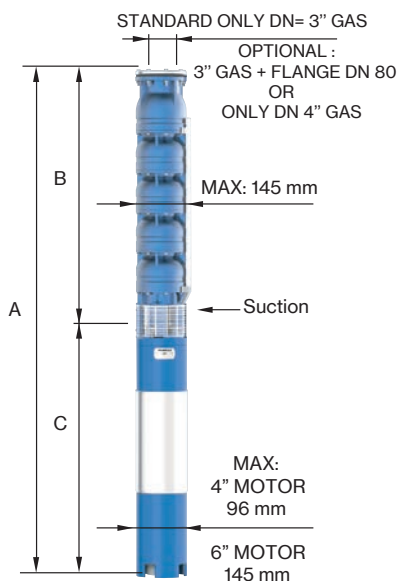
6LMG 60



60 Hz - 3500 rpm			Q						
TYPE	P2		l/min	0	720	960	1200	1440	1680
			l/sec	0	12	16	20	24	28
	HP	kW	m³/h	0	43,2	57,6	72	86,4	100,8
6LMG 70/01	4	3	H (m)	19	14	13	11	8	3
6LMG 70/02	10	7,5		37	28	25	22	16	6
6LMG 70/03	12,5	9,2		56	42	38	34	25	9
6LMG 70/04	17,5	13		75	56	51	45	33	12
6LMG 70/05	20	15		94	71	63	56	41	14
6LMG 70/06	25	18,5		112	85	76	67	49	17
6LMG 70/07	30	22		131	99	89	79	57	20
6LMG 70/08	35	26		150	113	101	90	66	23
6LMG 70/09	40	30		168	127	114	101	74	26
6LMG 70/10	40	30		187	141	127	112	82	29
6LMG 70/11	50	37		206	155	139	124	90	32
6LMG 70/12	50	37		225	169	152	135	98	35

Max Eff. % =	74
Max kW / St. =	3

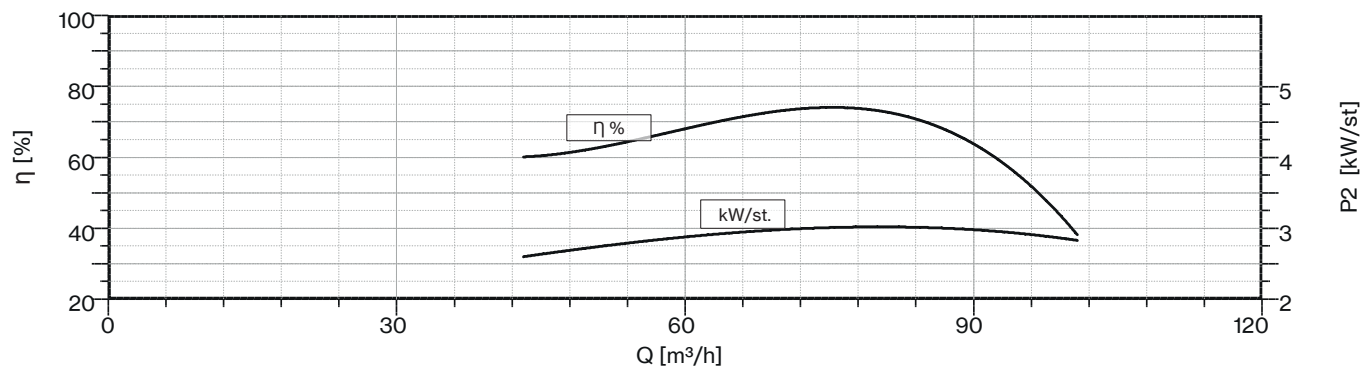
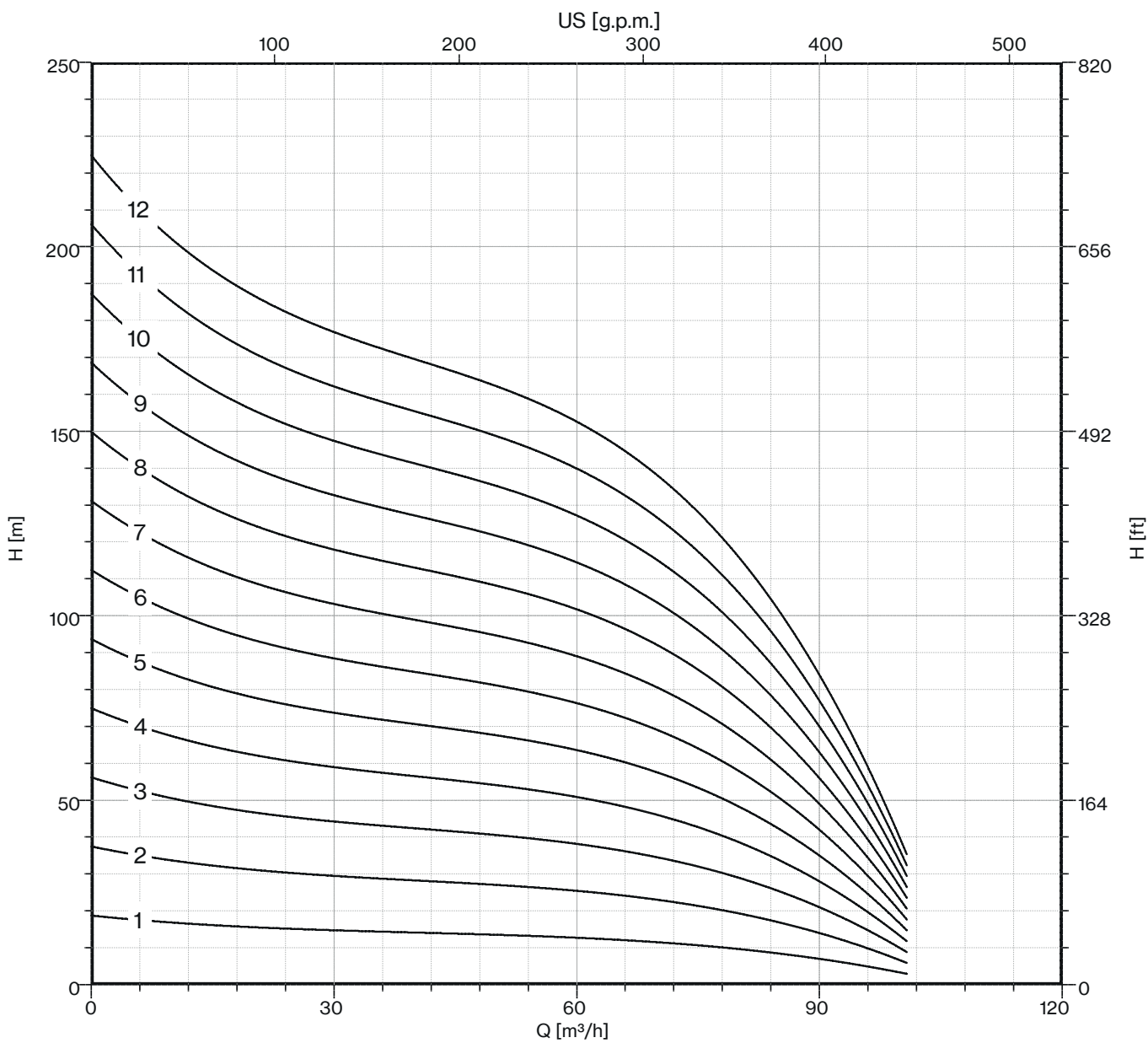
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1

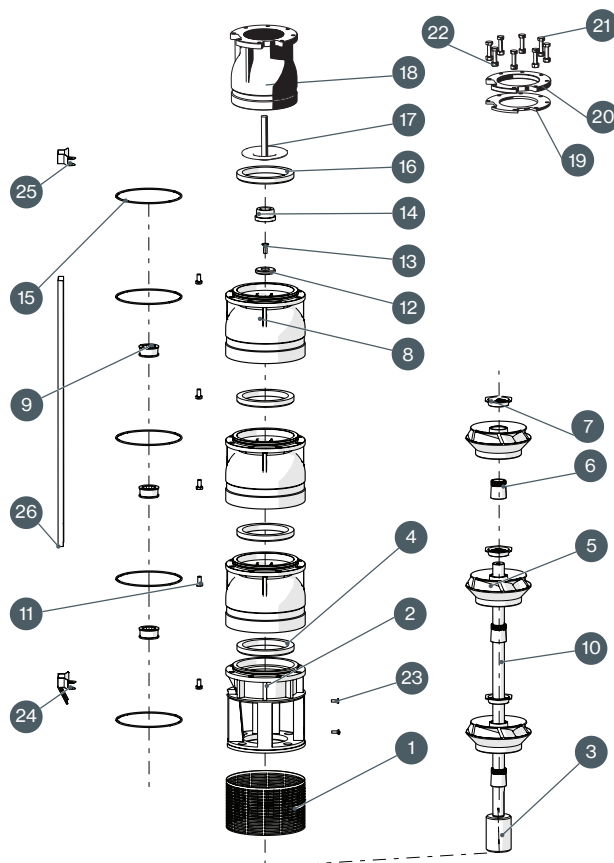


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 70/01-4	4" NEMA	957	400	557	19	12
6LMG 70/02	6" NEMA	1208	507	701	55	16
6LMG 70/03		1365	614	751	60	21
6LMG 70/04		1562	721	841	70	25
6LMG 70/05		1759	828	931	75	30
6LMG 70/06		1926	935	991	83	34
6LMG 70/07		2113	1042	1071	92	39
6LMG 70/08		2330	1149	1181	100	43
6LMG 70/09		2507	1256	1251	108	48
6LMG 70/10		2614	1363	1251	108	52
6LMG 70/11		2811	1470	1341	118	57
6LMG 70/12		2918	1577	1341	118	61



6LMG 70





N. CODE	DESCRIPTION	MATERIAL
1	SUCTION STRAINER	AISI 304
2	SUCTION CAGE	CAST IRON
3	JOINT	AISI 304
4	USURY RING	NBR
5	IMPELLER	CAST IRON
6	CONE	AISI 304
7	HEXAGONAL RING	AISI 304
8	DIFFUSEUR	AISI 304
9	BEARING BUSH	NBR
10	PUMP SHAFT	AISI 304
11	N.8 SCREW FOR DIFFUSEUR	AISI 304
12	RING	AISI 304
13	SCREW FOR DISK	AISI 304
14	COUNTERTHRUST	PTFE + 25% CARBON
15	O-RING	NBR
16	GASKET VALVE	NBR
17	CAP VALVE	AISI 304
18	BODY VALVE	CAST IRON
19	SEAL COUNTERFLANGE	NBR
20	COUNTERFLANGE	IRON
21	N.8 SCREW FOR COUNTERFLANGE	AISI 304
22	N.8 NUT FOR COUNTERFLANGE	AISI 304
23	N.2 SCREW FOR SUCTION STRAINER	AISI 304
24	LOWER FLANGE	AISI 304
25	UPPER FLANGE	AISI 304
26	COVER CABLE	AISI 304