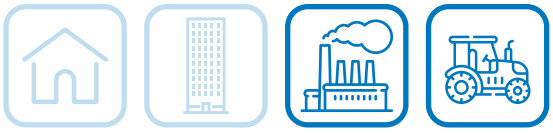
6-8-10LMG lines

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/m³

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

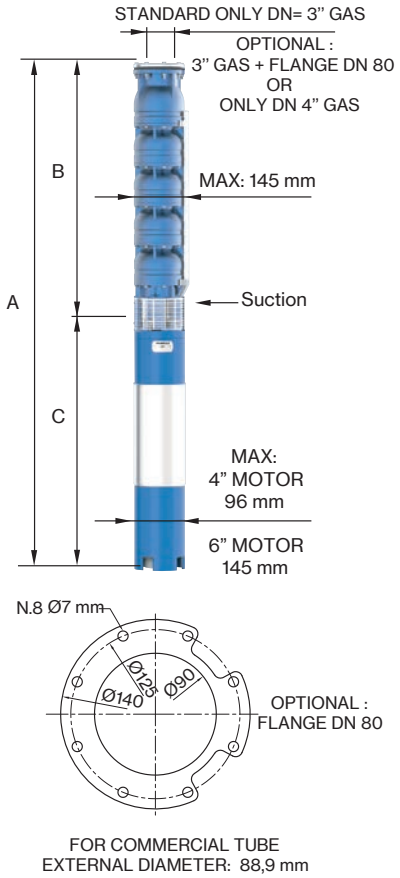


6LMG 38

50 Hz - 2900 rpm					Q						
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	300	400	500	600	700	800
	P2		CURRENT	l/sec	0	5,00	6,67	8,33	10,00	11,67	13,33
	HP	kW	A	m³/h	0	18	24	30	36	42	48
6LMG 38/03	5,5	4	9,9	H (m)	43	36	33	30	27	22	15
6LMG 38/04	7,5	5,5	13,8		57	48	44	40	37	30	20
6LMG 38/05	10	7,5	17,5		71	60	55	50	46	37	25
6LMG 38/06	10	7,5	17,5		86	72	66	60	55	45	30
6LMG 38/07	12,5	9,2	21		100	84	77	70	64	52	35
6LMG 38/08	15	11	24,5		114	96	88	80	73	59	40
6LMG 38/09	15	11	24,5		129	108	99	90	82	67	45
6LMG 38/10	17,5	13	28		143	120	110	100	91	74	50
6LMG 38/11	17,5	13	28		157	132	121	110	101	82	55
6LMG 38/12	20	15	32		171	144	132	120	110	89	60
6LMG 38/13	20	15	32		186	156	143	130	119	97	65
6LMG 38/14	25	18,5	40		200	168	154	140	128	104	70
6LMG 38/15	25	18,5	40		214	180	165	150	137	111	75

Max Eff. %	74
Max kW / St.	1,22

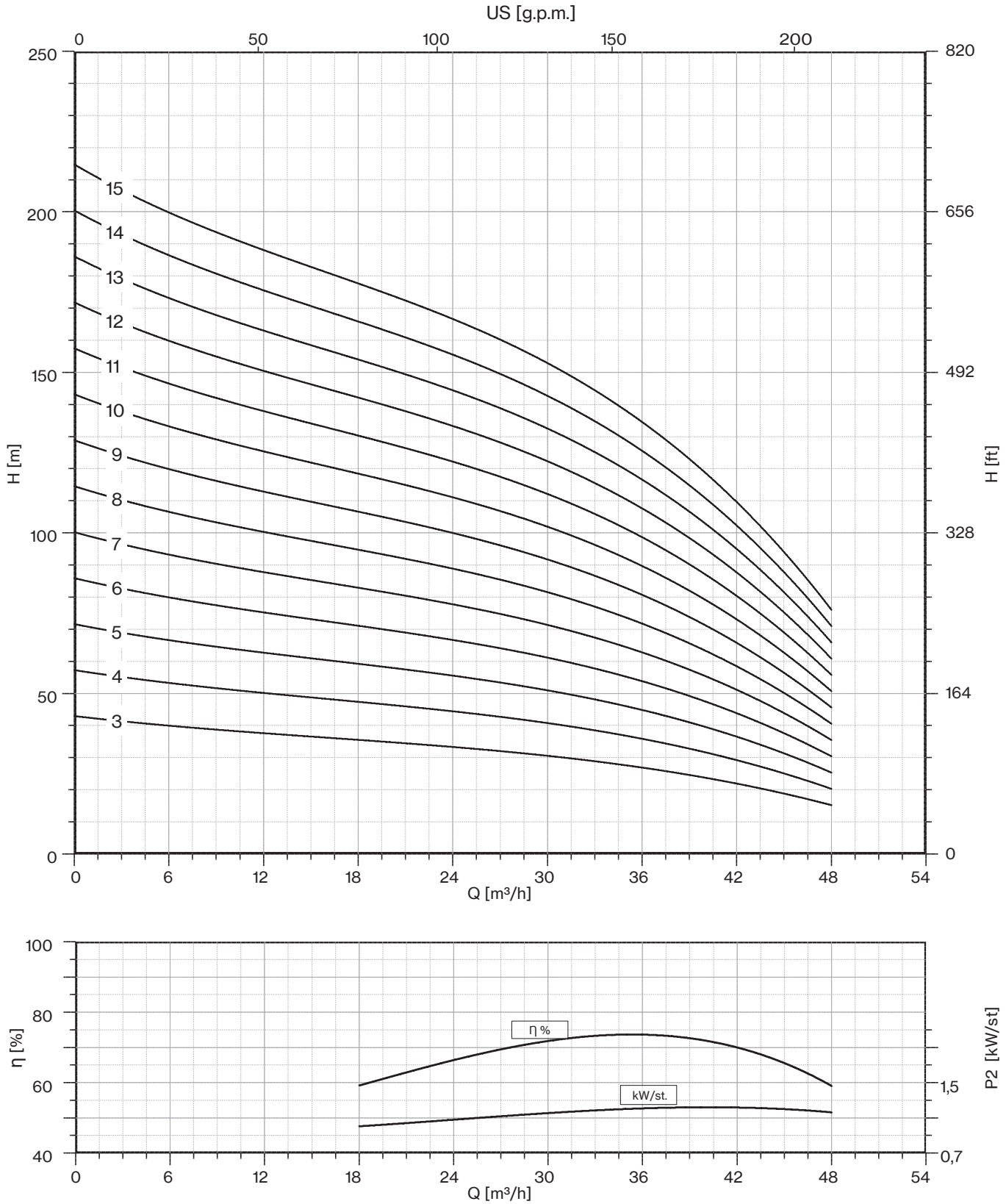
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,8	8



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 38/03-4	4" NEMA	1064	596	468	15,3	19
6LMG 38/04-4		1235	697	538	18,6	23
6LMG 38/05	6" NEMA	1499	798	701	55	28
6LMG 38/06		1600	899	701	55	32
6LMG 38/07		1751	1000	751	60	36
6LMG 38/08		1912	1101	811	65	40
6LMG 38/09		2013	1202	811	65	44
6LMG 38/10		2144	1303	841	70	48
6LMG 38/11		2245	1404	841	70	52
6LMG 38/12		2436	1505	931	75	56
6LMG 38/13		2537	1606	931	75	60
6LMG 38/14		2698	1707	991	83	64
6LMG 38/15		2799	1808	991	83	69

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B



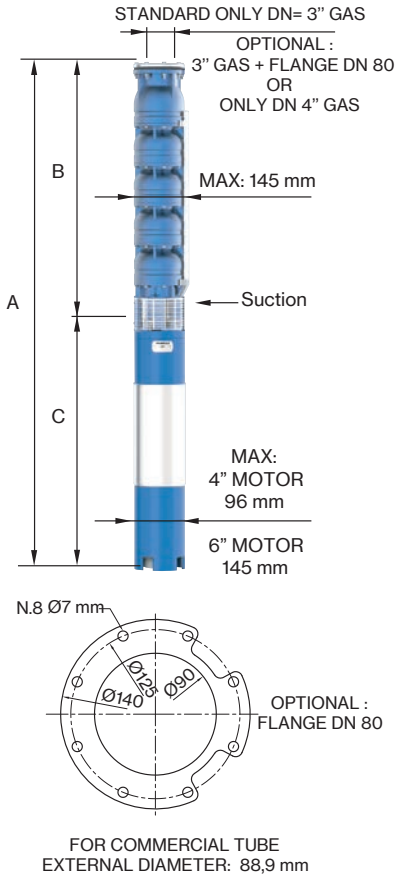
Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6LMG 38

50 Hz - 2900 rpm					Q						
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	300	400	500	600	700	800
	P2		CURRENT	l/sec	0	5,00	6,67	8,33	10,00	11,67	13,33
	HP	kW	A	m³/h	0	18	24	30	36	42	48
6LMG 38/16	30	22	47,5		229	192	176	160	146	119	80
6LMG 38/17	30	22	47,5		243	204	187	170	155	126	85
6LMG 38/18	30	22	47,5		257	216	198	180	165	134	90
6LMG 38/19	35	26	55		271	228	209	190	174	141	95
6LMG 38/20	35	26	55		286	240	220	200	183	149	100
6LMG 38/21	35	26	55		300	252	231	210	192	156	105
6LMG 38/22	35	26	55		314	264	242	220	201	163	110
6LMG 38/23	40	30	62,5	H (m)	329	276	253	230	210	171	115
6LMG 38/24	40	30	62,5		343	288	264	240	219	178	120
6LMG 38/25	40	30	62,5		357	300	275	250	229	186	125
6LMG 38/26	50	37	78		371	312	286	260	238	193	130
6LMG 38/27	50	37	78		386	324	297	270	247	201	135
6LMG 38/28	50	37	78		400	336	308	280	256	208	140
6LMG 38/29	50	37	78		414	348	319	290	265	215	145
6LMG 38/30	50	37	78		429	360	330	300	274	223	150

Max Eff. %	74
Max kW / St.	1,22

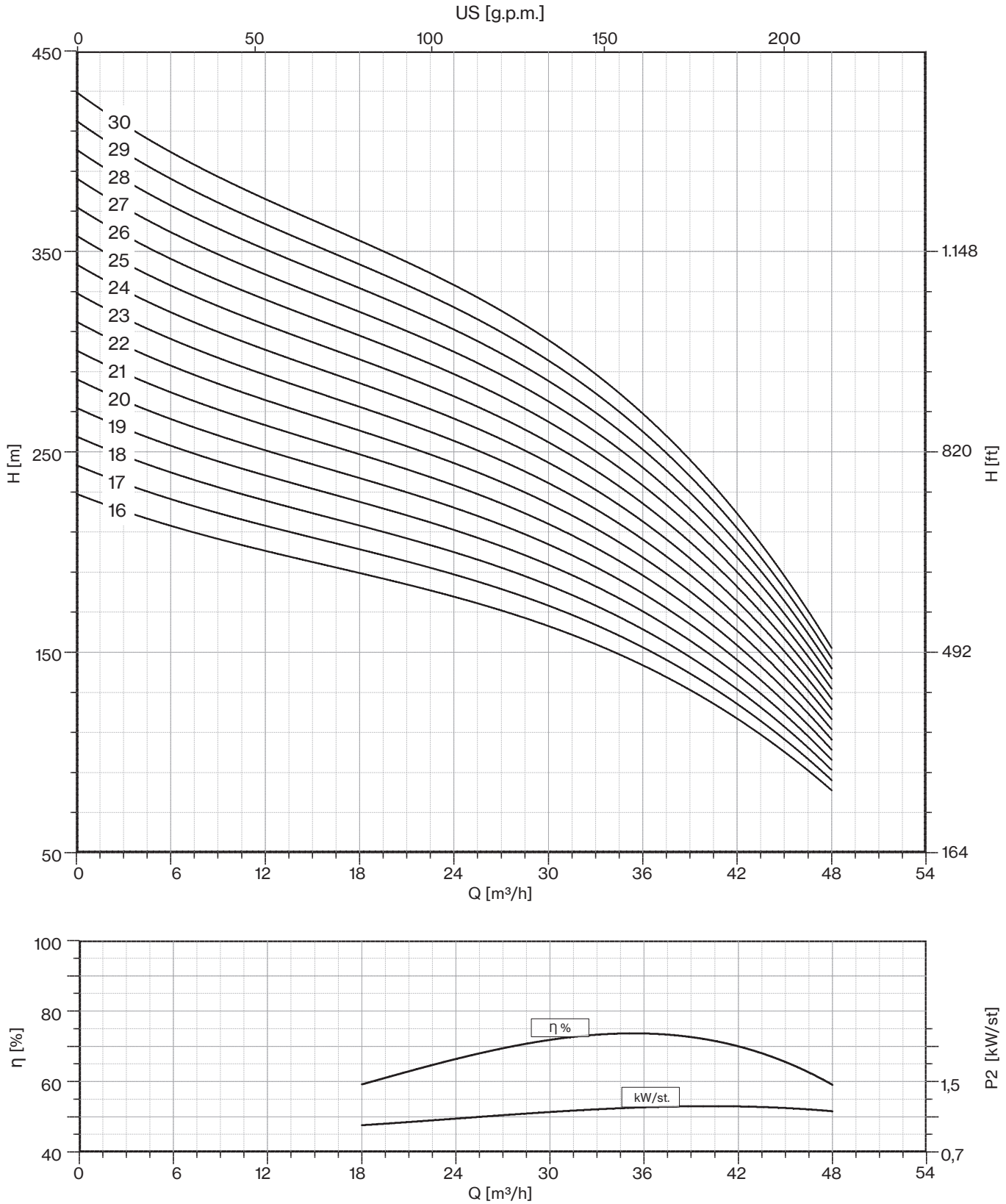
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,8	8



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 38/16	6" NEMA	2980	1909	1071	92	73
6LMG 38/17		3081	2010	1071	92	77
6LMG 38/18		3182	2111	1071	92	81
6LMG 38/19		3393	2212	1181	100	85
6LMG 38/20		3494	2313	1181	100	89
6LMG 38/21		3595	2414	1181	100	93
6LMG 38/22		3696	2515	1181	100	97
6LMG 38/23		3867	2616	1251	108	101
6LMG 38/24		3968	2717	1251	108	105
6LMG 38/25		4069	2818	1251	108	110
6LMG 38/26		4260	2919	1341	118	114
6LMG 38/27		4361	3020	1341	118	118
6LMG 38/28		4462	3121	1341	118	122
6LMG 38/29		4563	3222	1341	118	126
6LMG 38/30		4664	3323	1341	118	130

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B



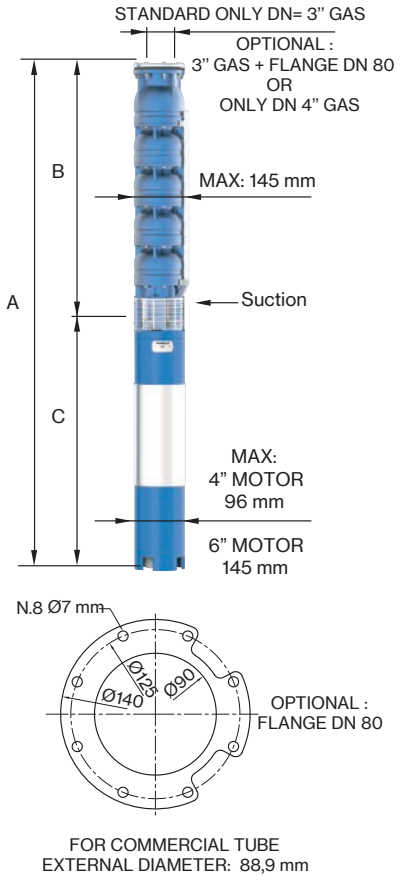
Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6LMG 48

50 Hz - 2900 rpm					Q							
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	400	500	600	700	800	900	1000
	P2		CURRENT	l/sec	0	6,67	8,33	10,00	11,67	13,33	15,00	16,67
	HP	kW	A	m³/h	0	24	30	36	42	48	54	60
6LMG 48/03	5,5	4	9,9		40	32	31	29	26	22	17	10
6LMG 48/04	7,5	5,5	13,8		53	43	41	38	34	29	22	13
6LMG 48/05	10	7,5	17,5		67	53	51	48	43	36	28	17
6LMG 48/06	12,5	9,2	21		80	64	61	57	51	43	33	20
6LMG 48/07	12,5	9,2	21		93	75	71	67	60	50	39	23
6LMG 48/08	15	11	24,5		107	85	81	76	68	57	44	27
6LMG 48/09	17,5	13	28	H (m)	120	96	92	86	77	65	50	30
6LMG 48/10	17,5	13	28		133	107	102	95	85	72	55	33
6LMG 48/11	20	15	32		147	117	112	105	94	79	61	37
6LMG 48/12	20	15	32		160	128	122	114	102	86	66	40
6LMG 48/13	25	18,5	40		173	139	132	124	111	93	72	43
6LMG 48/14	25	18,5	40		187	149	142	133	119	100	77	47
6LMG 48/15	30	22	47,5		200	160	153	143	128	108	83	50

Max Eff. %	74
Max kW / St.	1,32

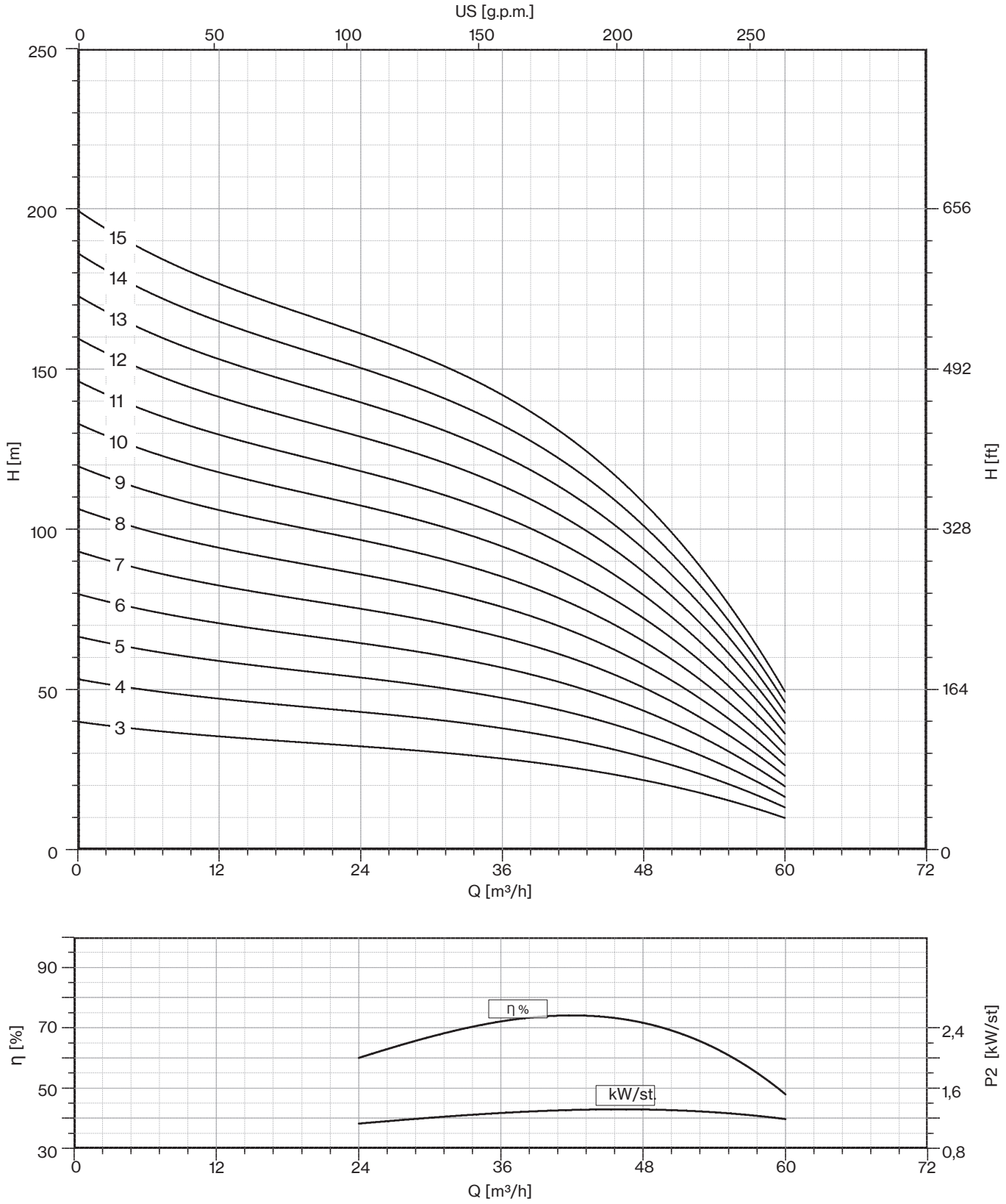
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,45	3,5	3,8	5



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 48/03-4	4" NEMA	1064	596	468	15,3	19
6LMG 48/04-4		1235	697	538	18,6	23
6LMG 48/05	6" NEMA	1499	798	701	55	28
6LMG 48/06		1650	899	751	60	32
6LMG 48/07		1751	1000	751	60	36
6LMG 48/08		1912	1101	811	65	40
6LMG 48/09		2043	1202	841	70	44
6LMG 48/10		2144	1303	841	70	48
6LMG 48/11		2335	1404	931	75	52
6LMG 48/12		2436	1505	931	75	56
6LMG 48/13		2597	1606	991	83	60
6LMG 48/14		2698	1707	991	83	64
6LMG 48/15		2879	1808	1071	92	69

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B



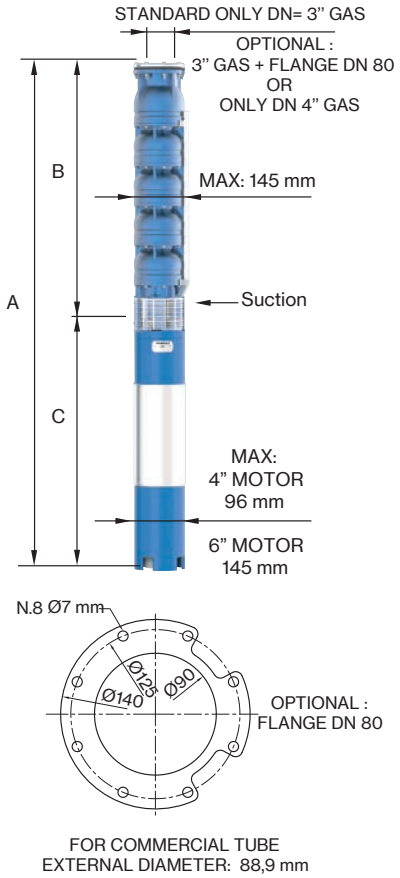
Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6LMG 48

50 Hz - 2900 rpm					Q							
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	400	500	600	700	800	900	1000
	P2		CURRENT	l/sec	0	6,67	8,33	10,00	11,67	13,33	15,00	16,67
	HP	kW	A	m³/h	0	24	30	36	42	48	54	60
6LMG 48/16	30	22	47,5		213	171	163	152	136	115	88	53
6LMG 48/17	30	22	47,5		227	181	173	162	145	122	94	57
6LMG 48/18	35	26	55		240	192	183	171	153	129	99	60
6LMG 48/19	35	26	55		253	203	193	181	162	136	105	63
6LMG 48/20	35	26	55		267	213	203	190	170	143	110	67
6LMG 48/21	40	30	62,5		280	224	214	200	179	151	116	70
6LMG 48/22	40	30	62,5	H (m)	293	235	224	209	187	158	121	73
6LMG 48/23	40	30	62,5		307	245	234	219	196	165	127	77
6LMG 48/24	50	37	78		320	256	244	228	204	172	132	80
6LMG 48/25	50	37	78		333	267	254	238	213	179	138	83
6LMG 48/26	50	37	78		347	277	264	247	221	186	143	87
6LMG 48/27	50	37	78		360	288	275	257	230	194	149	90
6LMG 48/28	50	37	78		373	299	285	266	238	201	154	93

Max Eff. %	74
Max kW / St.	1,32

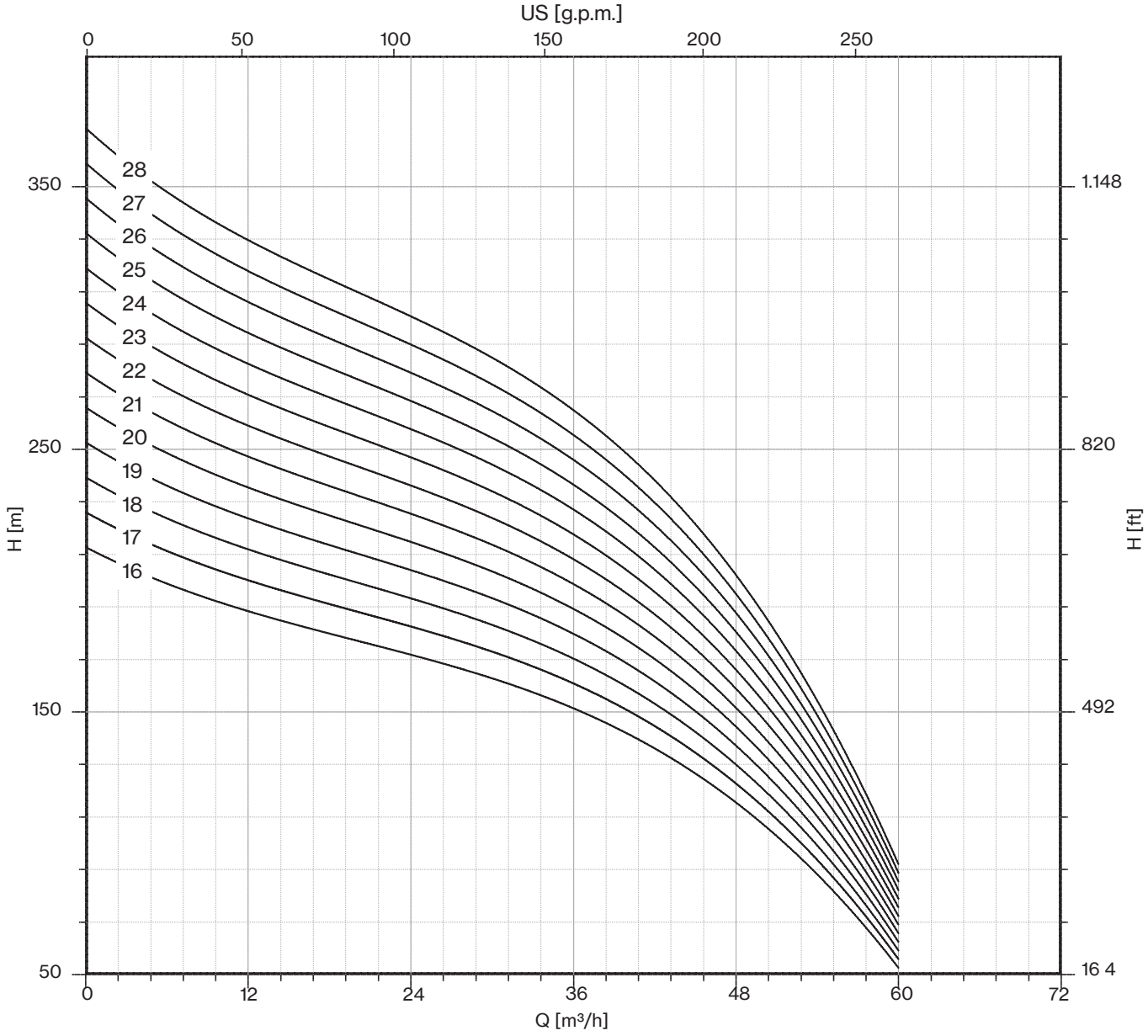
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,45	3,5	3,8	5

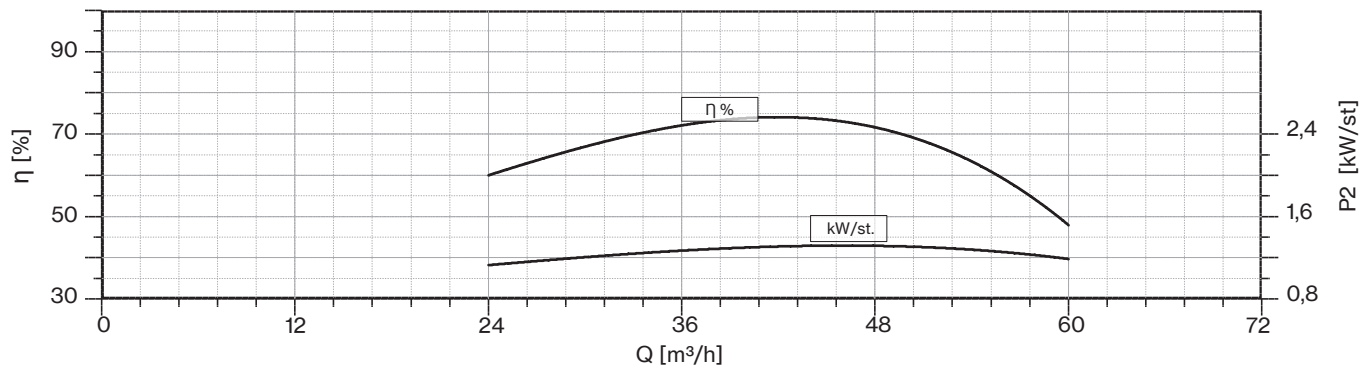


FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 48/16	6" NEMA	2980	1909	1071	92	73
6LMG 48/17		3081	2010	1071	92	77
6LMG 48/18		3292	2111	1181	100	81
6LMG 48/19		3393	2212	1181	100	85
6LMG 48/20		3494	2313	1181	100	89
6LMG 48/21		3665	2414	1251	108	93
6LMG 48/22		3766	2515	1251	108	97
6LMG 48/23		3867	2616	1251	108	101
6LMG 48/24		4058	2717	1341	118	105
6LMG 48/25		4159	2818	1341	118	110
6LMG 48/26		4260	2919	1341	118	114
6LMG 48/27		4361	3020	1341	118	118
6LMG 48/28		4462	3121	1341	118	122

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B





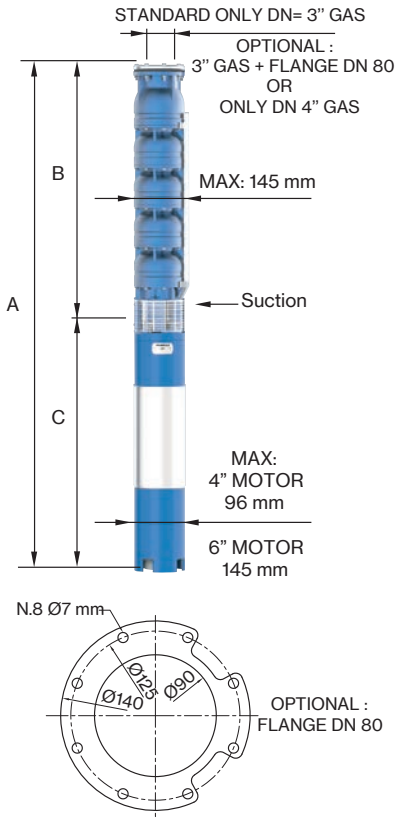
Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6LMG 60

50 Hz - 2900 rpm					Q					
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	500	600	800	1000	1200
	P2		CURRENT	l/sec	0	8,33	10,00	13,33	16,67	20,00
	HP	kW	A	m³/h	0	30	36	48	60	72
6LMG 60/03	7,5	5,5	13,8		39	30	28	24	18	8
6LMG 60/04	10	7,5	17,5		52	40	38	32	24	10
6LMG 60/05	10	7,5	17,5		65	50	47	40	30	13
6LMG 60/06	12,5	9,2	21		78	60	56	48	35	16
6LMG 60/07	15	11	24,5		91	70	66	56	41	18
6LMG 60/08	17,5	13	28		104	80	75	64	47	21
6LMG 60/09	17,5	13	28		117	90	85	72	53	23
6LMG 60/10	20	15	32		130	100	94	80	59	26
6LMG 60/11	25	18,5	40		143	110	103	87	65	29
6LMG 60/12	25	18,5	40		156	120	113	95	71	31
6LMG 60/13	25	18,5	40		169	130	122	103	77	34
6LMG 60/14	30	22	47,5	H	182	140	132	111	83	36
6LMG 60/15	30	22	47,5	(m)	195	150	141	119	89	39
6LMG 60/16	35	26	55		208	160	150	127	94	42
6LMG 60/17	35	26	55		221	170	160	135	100	44
6LMG 60/18	35	26	55		234	180	169	143	106	47
6LMG 60/19	40	30	62,5		247	190	179	151	112	49
6LMG 60/20	40	30	62,5		260	200	188	159	118	52
6LMG 60/21	40	30	62,5		273	210	197	167	124	55
6LMG 60/22	50	37	78		286	220	207	175	130	57
6LMG 60/23	50	37	78		299	230	216	183	136	60
6LMG 60/24	50	37	78		312	240	226	191	142	62
6LMG 60/25	50	37	78		325	250	235	199	148	65

Max Eff. %	73,6
Max kW / St.	1,44

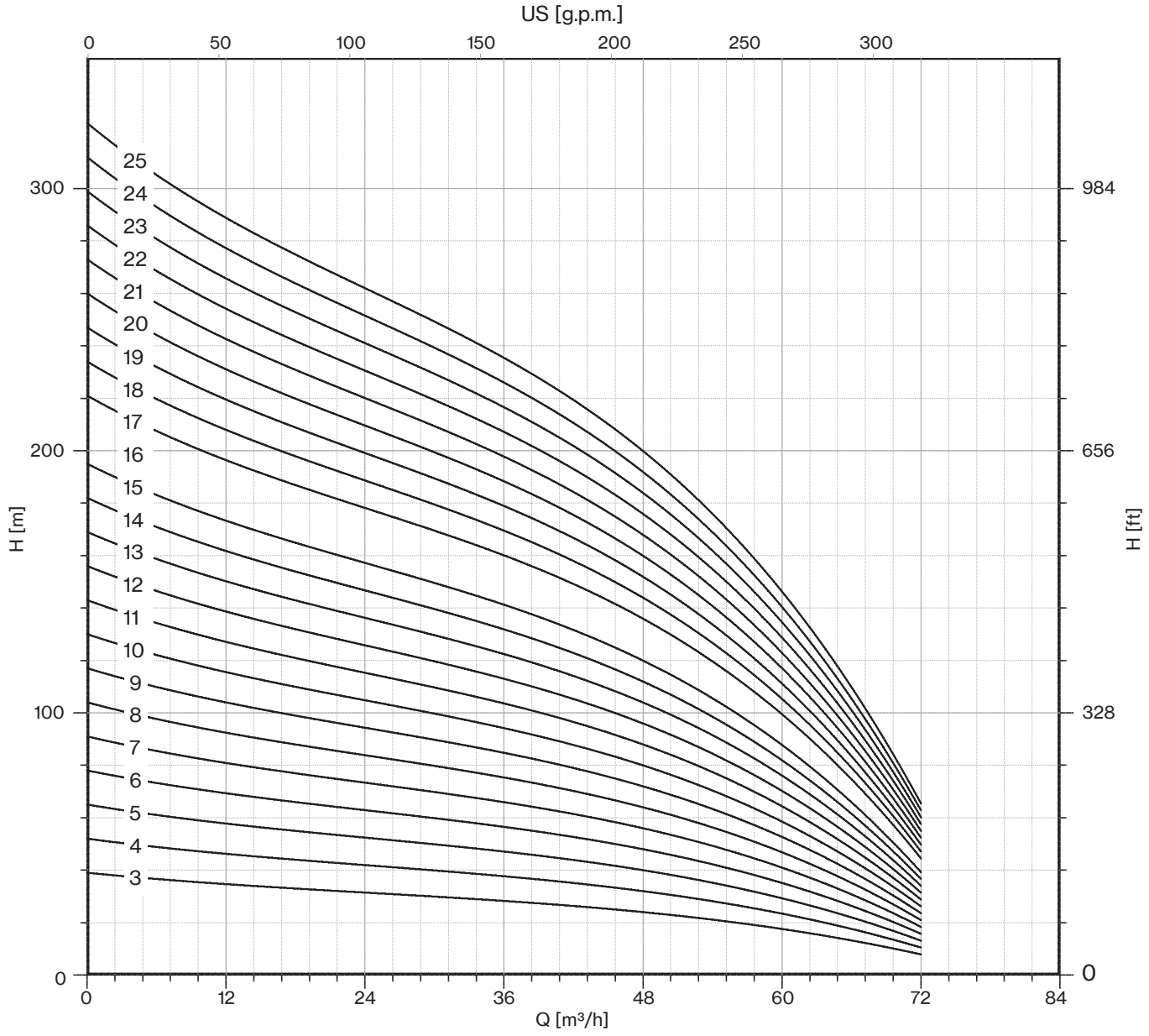
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1

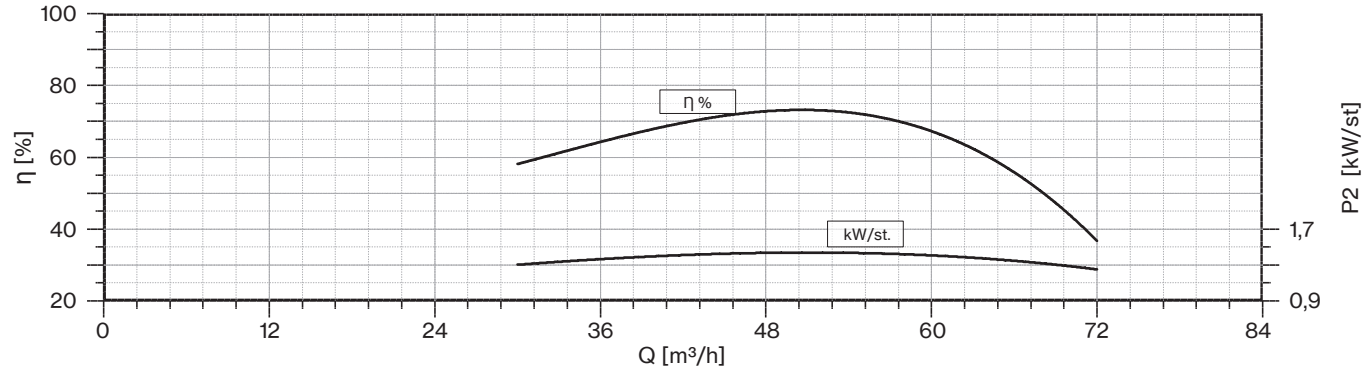


FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 60/03-4	4" NEMA	1152	614	538	18,6	21
6LMG 60/04	6" NEMA	1422	721	701	55	25
6LMG 60/05		1529	828	701	55	30
6LMG 60/06		1686	935	751	60	34
6LMG 60/07		1853	1042	811	65	39
6LMG 60/08		1990	1149	841	70	43
6LMG 60/09		2097	1256	841	70	48
6LMG 60/10		2294	1363	931	75	52
6LMG 60/11		2461	1470	991	83	57
6LMG 60/12		2568	1577	991	83	61
6LMG 60/13		2675	1684	991	83	66
6LMG 60/14		2862	1791	1071	92	70
6LMG 60/15		2969	1898	1071	92	75
6LMG 60/16		3186	2005	1181	100	79
6LMG 60/17		3293	2112	1181	100	84
6LMG 60/18		3400	2219	1181	100	88
6LMG 60/19		3577	2326	1251	108	93
6LMG 60/20		3684	2433	1251	108	97
6LMG 60/21		3791	2540	1251	108	102
6LMG 60/22		3988	2647	1341	118	106
6LMG 60/23		4095	2754	1341	118	111
6LMG 60/24		4202	2861	1341	118	115
6LMG 60/25		4309	2968	1341	118	120

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B





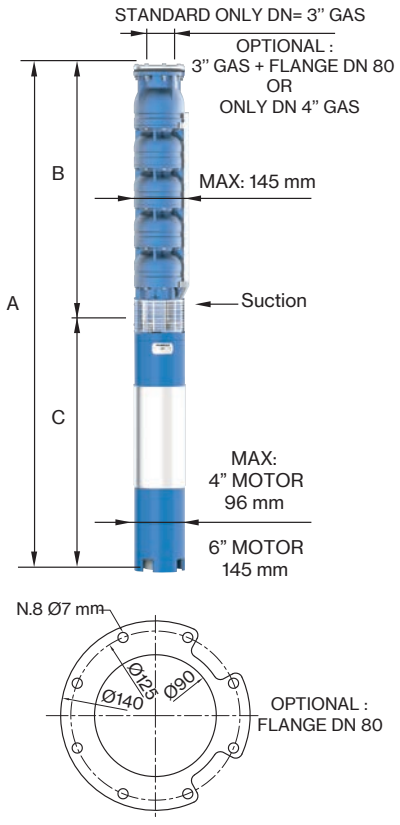
Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6LMG 70

50 Hz - 2900 rpm					Q					
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	600	800	1000	1200	1400
	P2		CURRENT	l/sec	0	10,00	13,33	16,67	20,00	23,33
	HP	kW	A	m³/h	0	36	48	60	72	84
6LMG 70/03	7,5	5,5	13,8		39	29	26	23	17	6
6LMG 70/04	10	7,5	17,5		52	39	35	31	23	8
6LMG 70/05	12,5	9,2	21		65	49	44	39	29	10
6LMG 70/06	15	11	24,5		78	59	53	47	34	12
6LMG 70/07	17,5	13	28		91	69	62	55	40	14
6LMG 70/08	20	15	32		104	78	70	62	46	16
6LMG 70/09	20	15	32		117	88	79	70	51	18
6LMG 70/10	25	18,5	40		130	98	88	78	57	20
6LMG 70/11	30	22	47,5		143	108	97	86	63	22
6LMG 70/12	30	22	47,5	H (m)	156	118	106	94	68	24
6LMG 70/13	30	22	47,5		169	127	114	101	74	26
6LMG 70/14	35	26	55		182	137	123	109	80	28
6LMG 70/15	35	26	55		195	147	132	117	86	30
6LMG 70/16	40	30	62,5		208	157	141	125	91	32
6LMG 70/17	40	30	62,5		221	167	150	133	97	34
6LMG 70/18	50	37	78		234	176	158	140	103	36
6LMG 70/19	50	37	78		247	186	167	148	108	38
6LMG 70/20	50	37	78		260	196	176	156	114	40
6LMG 70/21	50	37	78		273	206	185	164	120	42

Max Eff. %	74
Max kW / St.	1,74

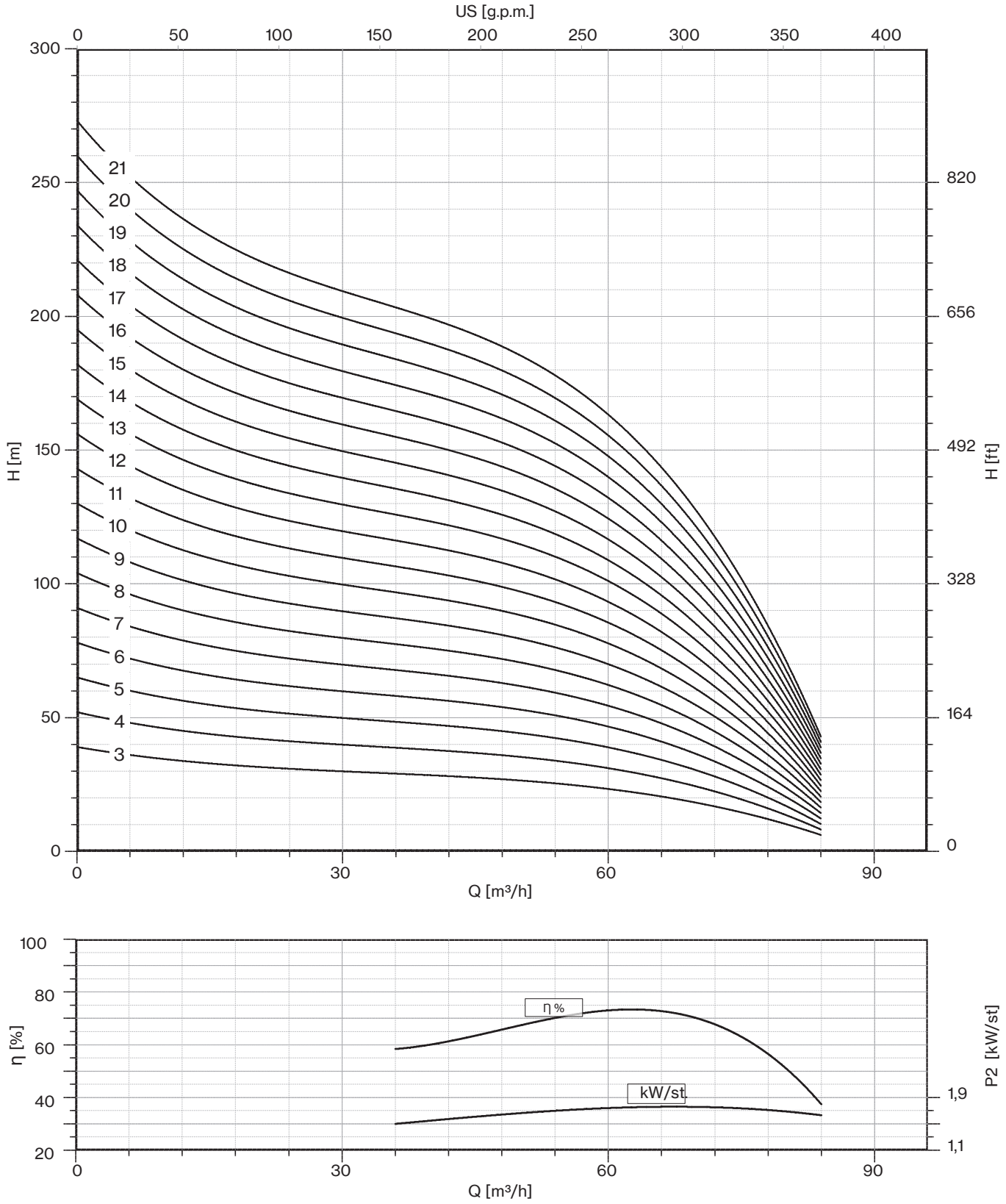
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

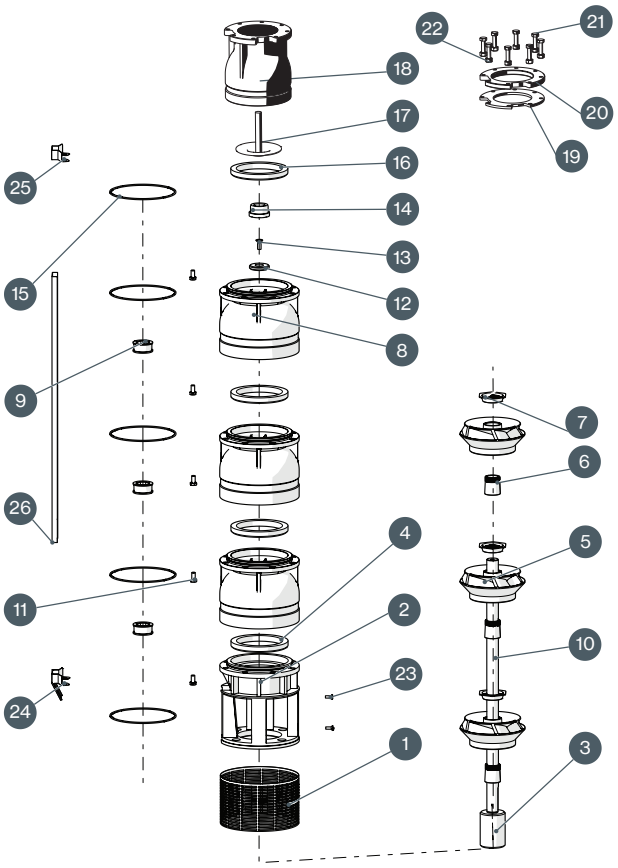
TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LMG 70/03-4	4" NEMA	1152	614	538	18,6	21
6LMG 70/04	6" NEMA	1422	721	701	55	25
6LMG 70/05		1579	828	751	60	30
6LMG 70/06		1746	935	811	65	34
6LMG 70/07		1883	1042	841	70	39
6LMG 70/08		2080	1149	931	75	43
6LMG 70/09		2187	1256	931	75	48
6LMG 70/10		2354	1363	991	83	52
6LMG 70/11		2541	1470	1071	92	57
6LMG 70/12		2648	1577	1071	92	61
6LMG 70/13		2755	1684	1071	92	66
6LMG 70/14		2972	1791	1181	100	70
6LMG 70/15		3079	1898	1181	100	75
6LMG 70/16		3256	2005	1251	108	79
6LMG 70/17		3363	2112	1251	108	84
6LMG 70/18		3560	2219	1341	118	88
6LMG 70/19		3667	2326	1341	118	93
6LMG 70/20		3774	2433	1341	118	97
6LMG 70/21		3881	2540	1341	118	102

Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B



Sand tolerance 50 g/m³
MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

6-8-10 LMG



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