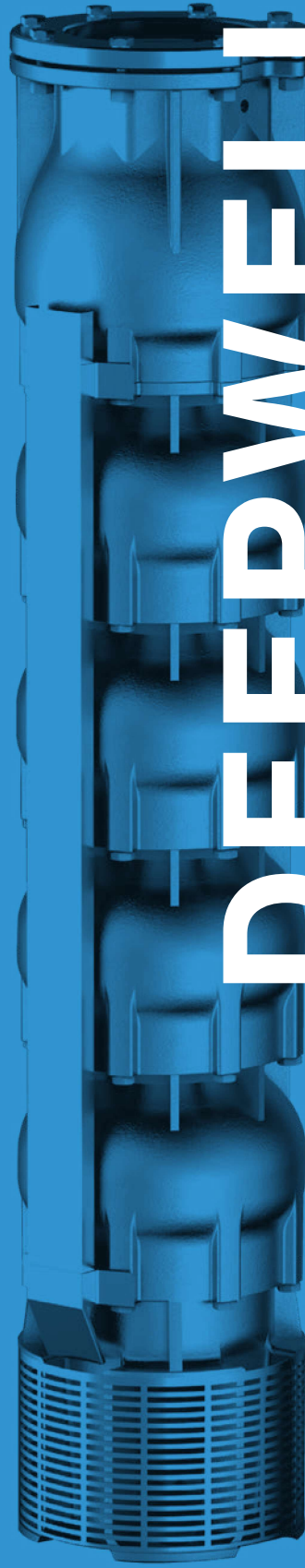


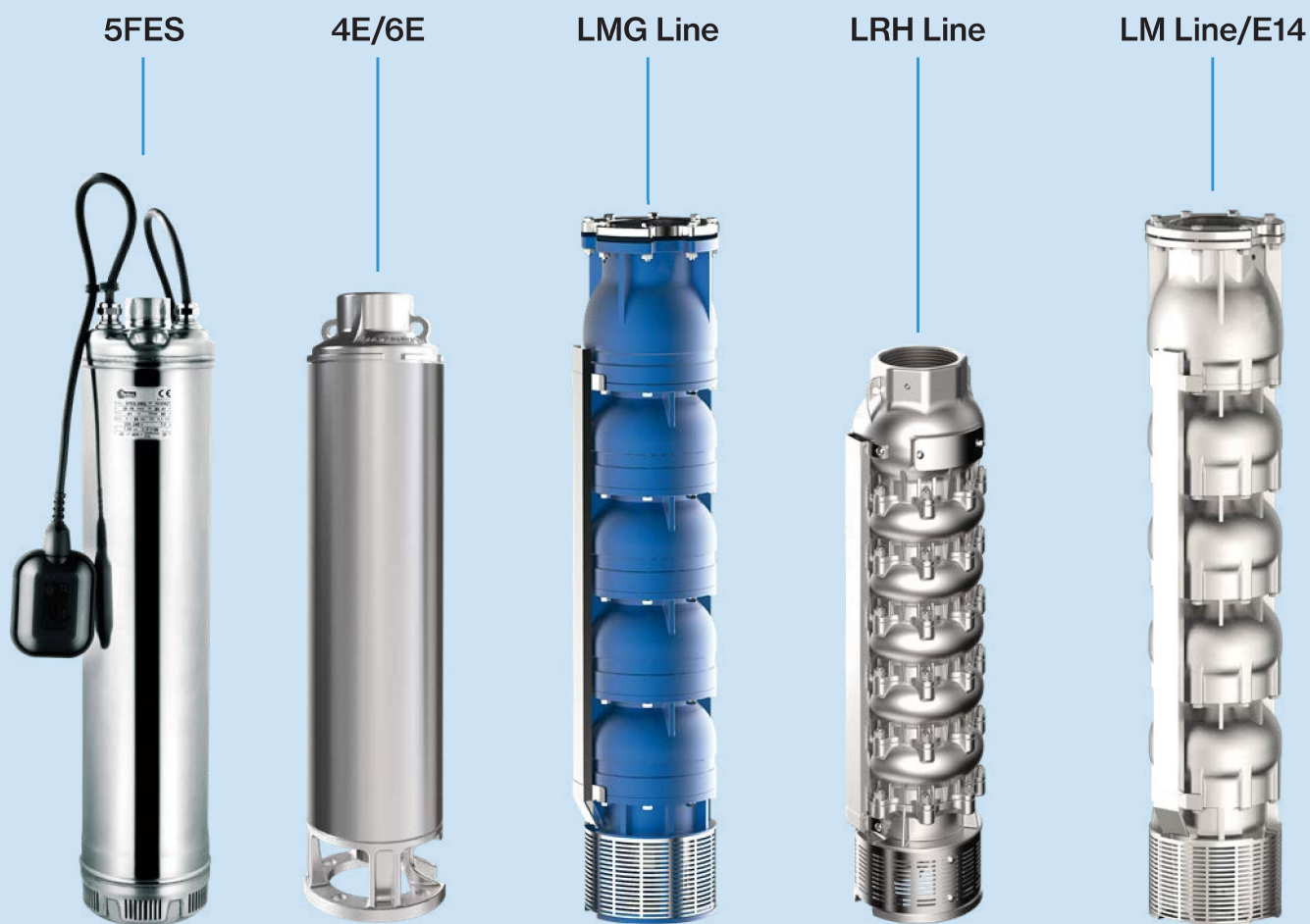


CE
Model: SPES 3000 N° 1020027
L 25-75 mm H 80-40 cm
41 m 89 cm
Flow: 1-50 m³/h P2 1.1 kW
200-300 L/min 1.2 L/s
1.55 m 5' 1" PIPES
1.30 m 4' 3" 1/2" 20"



DEEPWELL BOREHOLE

DEEPWELL BOREHOLE PUMPS



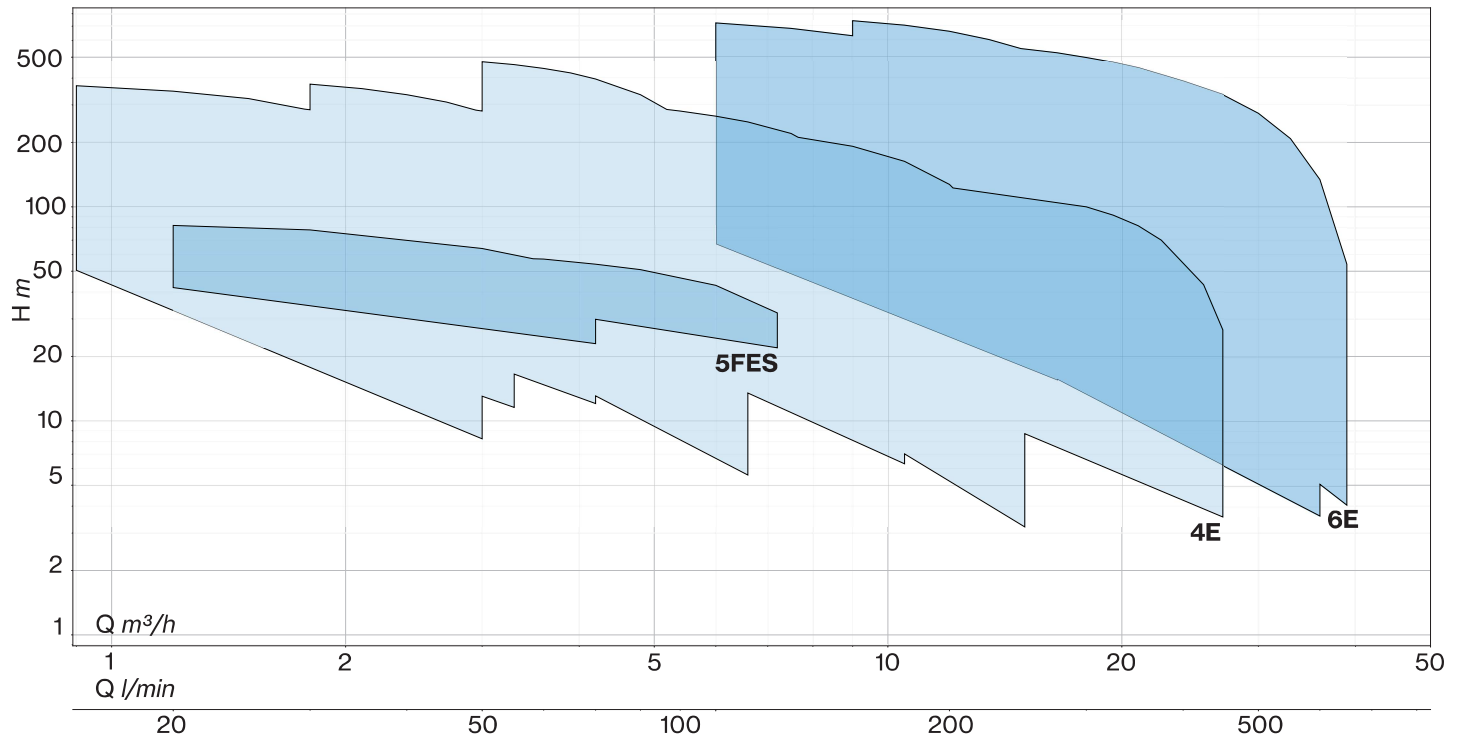
- **5FES line:** 5" electric pumps with pressed steel body and stainless steel hydraulic.
- **4E, 6E lines:** 4", 6" electric well pumps with pressed steel body, and polymer hydraulics. Coupling to the motor according to Nema flange.
- **6- 8- 10LMG lines:** 6", 8" and 10" electric well pumps with cast iron hydraulics. Non-return valve in the delivery port and motor coupling according to Nema flange.
- **LM, LRH and E14 lines:** 6", 8", 10", 12" and 14" electric well pumps manufactured with a micro-casting process that allows to obtain very smooth hydraulic surfaces and therefore high hydraulic efficiency values, all combined with a high mechanical resistance thanks to the cast steel structure. The range is available in AISI304, AISI316 and Duplex steel types with flow rates up to 860m³/h and 800 m maximum head. The check valve is incorporated in the delivery port, while coupling with the motor is ensured by NEMA flanging.

Applications:

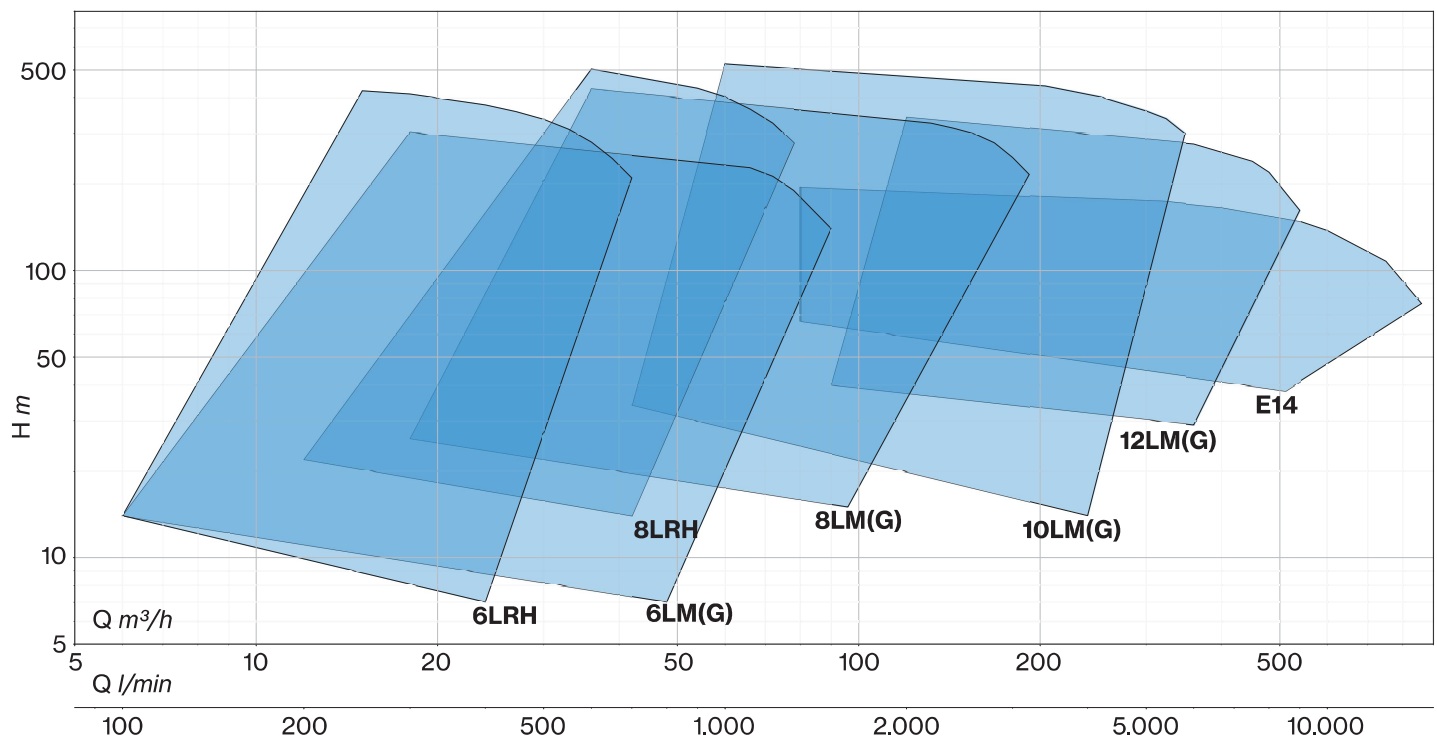
- Water supply for civil and industrial uses
- Distribution in aqueducts
- Agricultural irrigation
- Installation on wells and groundwater withdrawal
- Reverse osmosis plants

DEEPWELL BOREHOLE PUMPS

Low-Medium flow

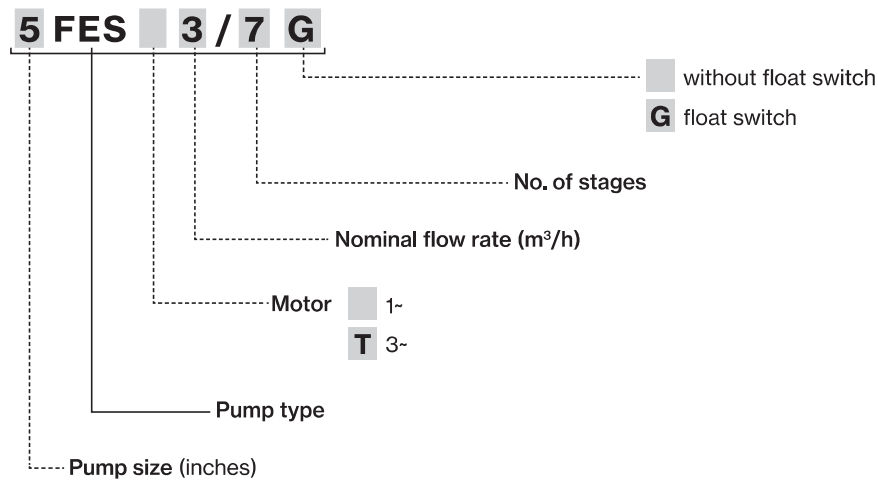


High flow

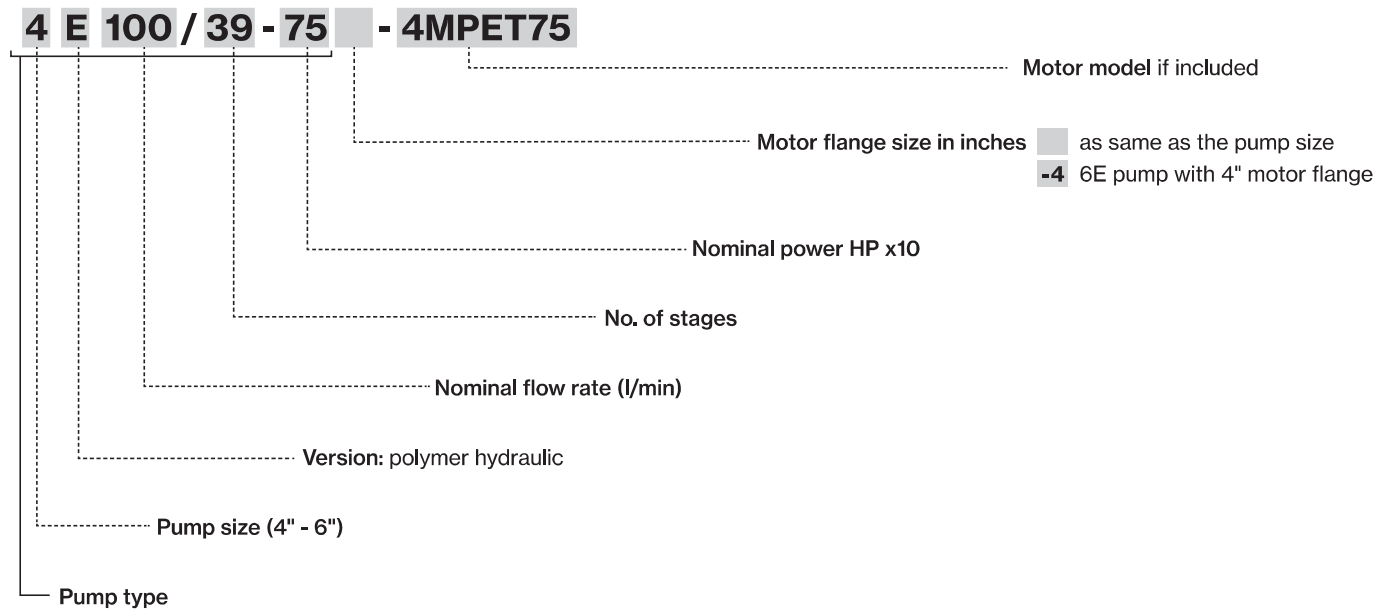


Name key

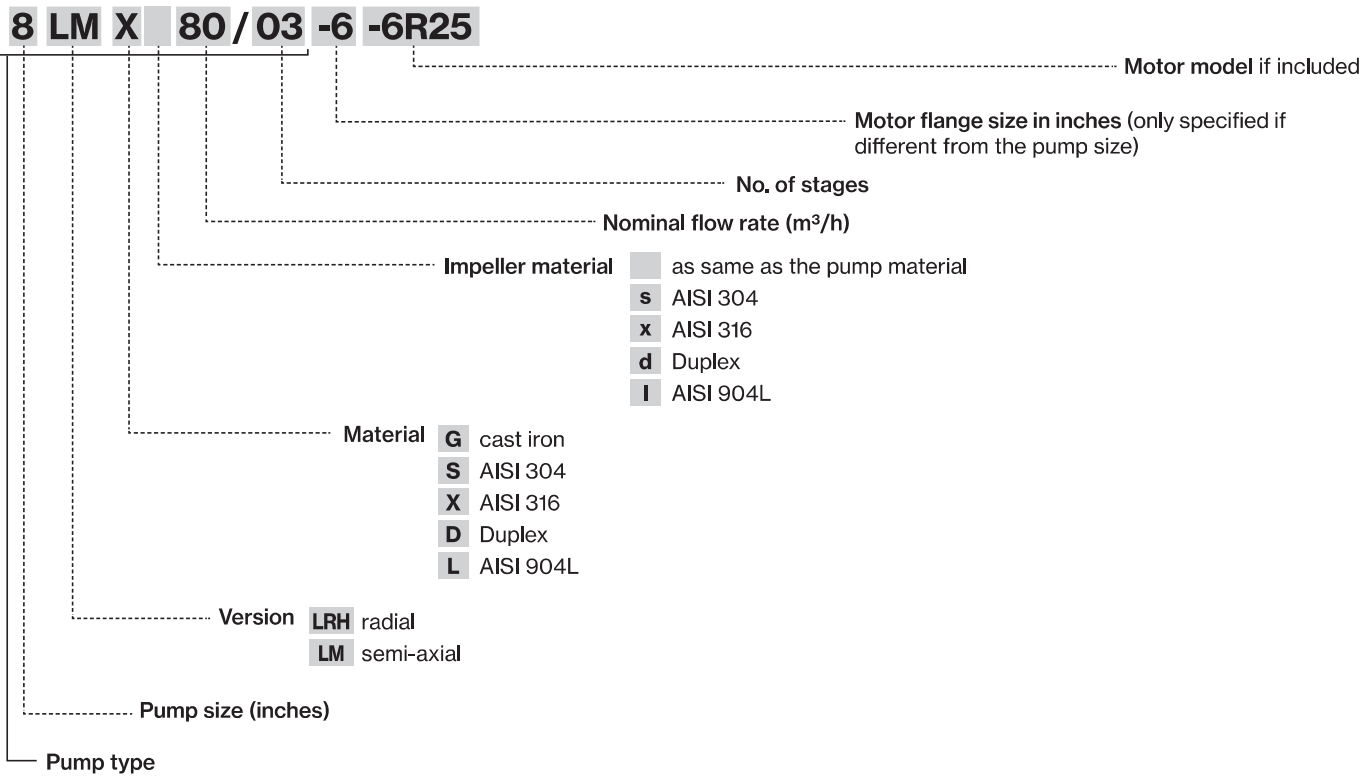
5 FES line



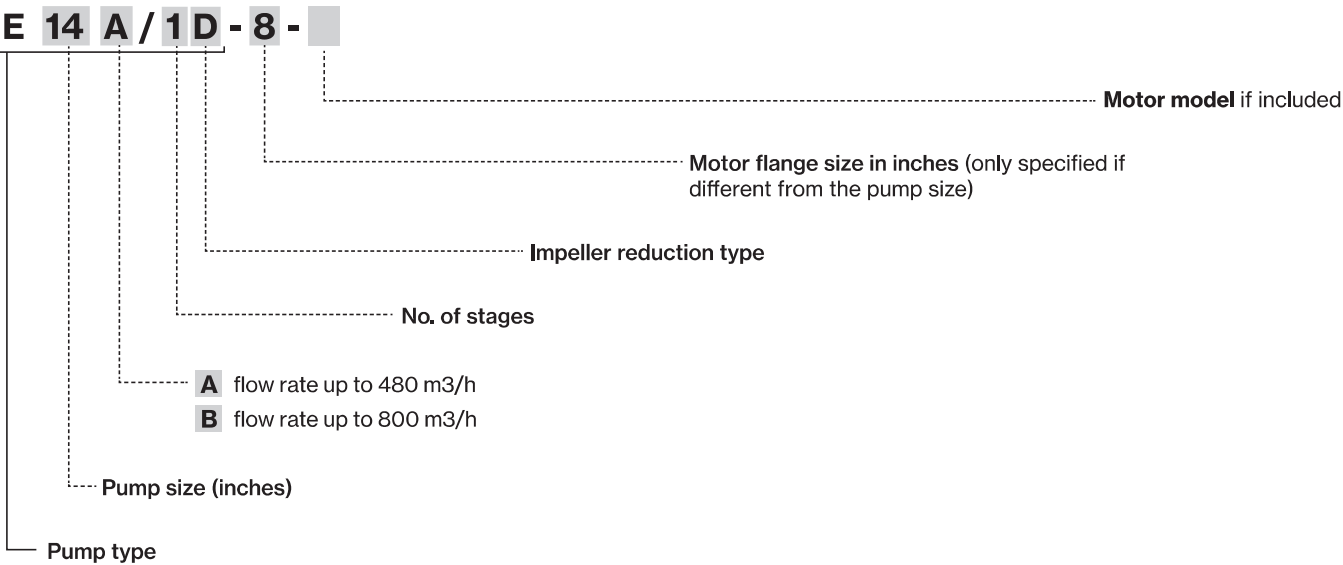
4E - 6E lines



LRH - LM lines



E14 line





5" submersible multistage centrifugal pumps. All components in contact with fluid are made of AISI 304 stainless steel. Particularly suitable for water distribution rainwater collection, irrigation, fountains, wash down unit. Single phase versions have an internal capacitor and thermal motorprotector.

Construction features

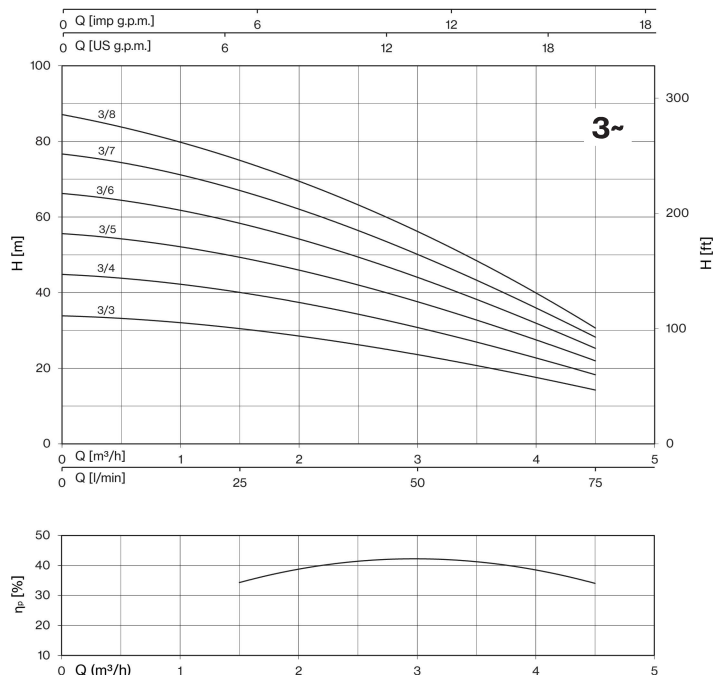
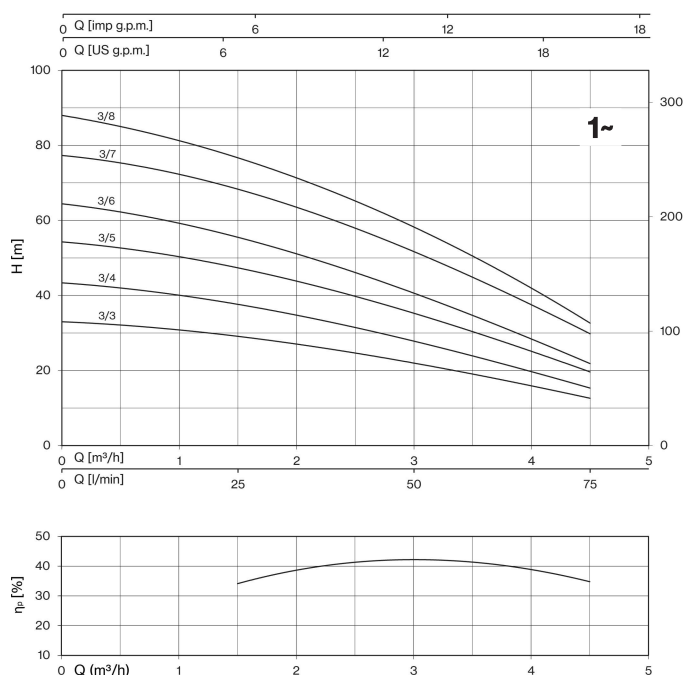
Delivery outlet	1" ¼ G
External jacket, impellers and diffusers	stainles steel AISI 304
Passage of solids	2 mm
Depth of immersion	max 20 m
Liquid temperature	+5 ÷ +40 °C
Quantity of sand in the water	max 50 g/m3
Cable	H07 RNF, 20 m
Number of startups/hr	max 20

Motor

Asynchronous 2 poles	3~ 380/415V - 50Hz 1~ 220/240V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IP68

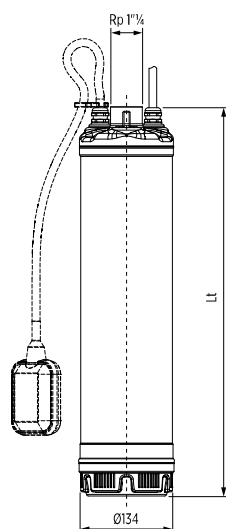


5FES 3



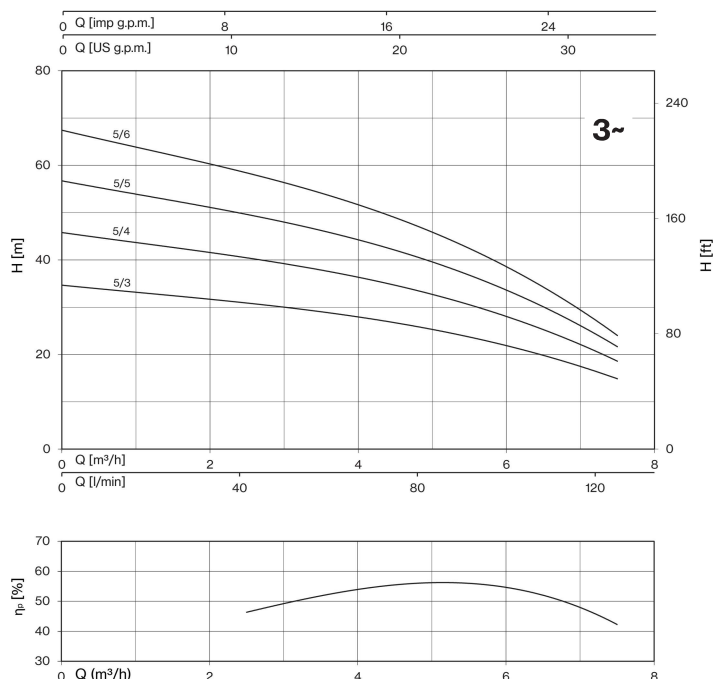
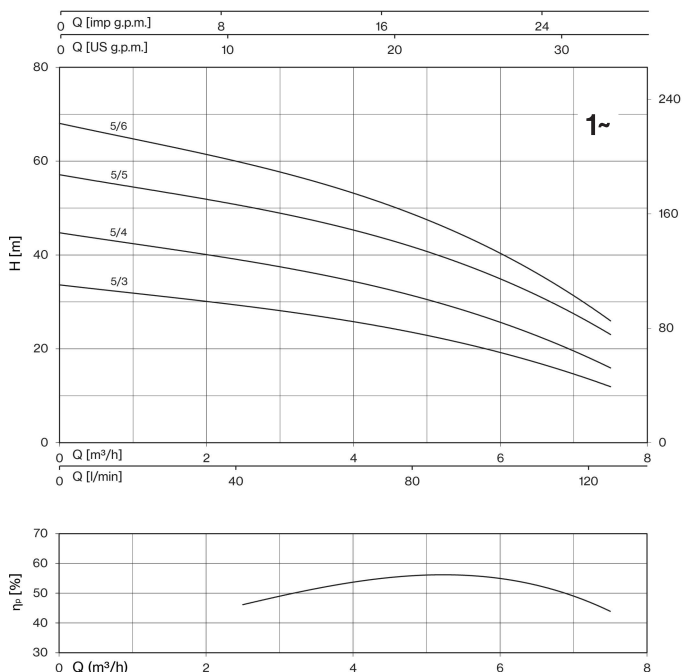
TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min)					
				1~	0	1,5	2	2,5	3	4,5
				230 V	0	25	33,3	41,7	50	75
1~	HP	kW	kW	A	H (m)					
5FES 3/3	0,75	0,55	0,6	3,6	33	29,1	27,1	24,6	22	12,6
5FES 3/4	0,75	0,55	0,8	4	43,4	37,7	34,8	31,3	27,9	15,3
5FES 3/5	1	0,75	1	4,7	54,3	47,4	43,9	39,6	35,4	19,6
5FES 3/6	1	0,75	1,2	5,2	64,4	55,5	51,2	45,9	40,7	21,8
5FES 3/7	1,2	0,9	1,3	6,7	77,3	68,3	63,6	57,7	51,8	29,8
5FES 3/8	1,5	1,1	1,5	7,2	87,8	77,1	71,6	64,8	58	32,8

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min)					
				3~	0	1,5	2	2,5	3	4,5
				400 V	0	25	33,3	41,7	50	75
3~	HP	kW	kW	A	H (m)					
5FEST 3/3	0,75	0,55	0,6	1,8	33,9	30,5	28,5	26,2	23,6	14,2
5FEST 3/4	0,75	0,55	0,8	2	44,8	40,1	37,4	34,2	30,8	18,3
5FEST 3/5	1	0,75	1	2,1	55,6	49,3	46,0	41,9	37,6	22
5FEST 3/6	1	0,75	1,2	2,3	66,2	58,4	54,2	49,2	44,1	25,3
5FEST 3/7	1,2	0,9	1,3	2,5	76,7	67	62,1	56,2	50,2	28,2
5FEST 3/8	1,5	1,1	1,5	2,7	86,9	75,4	69,7	62,8	56	30,8



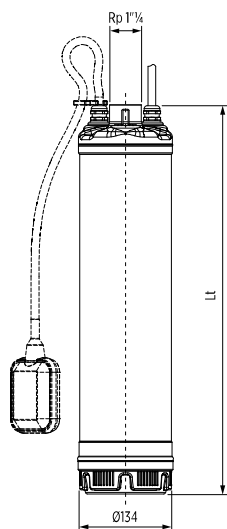
TYPE		DIMENSIONS (mm)					 Kg	
1~	3~	Lt	DNM	I	L	M	1~	3~
5FES 3/3	5FEST 3/3	446	1" 1/4 G	720	230	175	12	13,3
5FES 3/4	5FEST 3/4	470		720	230	175	12,7	14
5FES 3/5	5FEST 3/5	544		720	230	175	14,3	14,5
5FES 3/6	5FEST 3/6	568		720	230	175	14,8	15
5FES 3/7	5FEST 3/7	592		720	230	175	17	15,5
5FES 3/8	5FEST 3/8	616		720	230	175	17,1	16

5FES 5

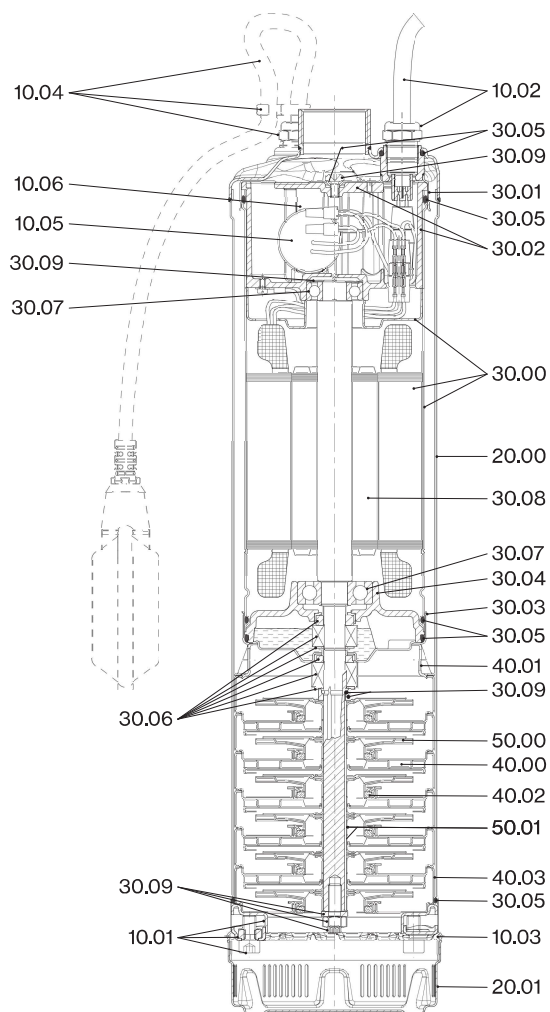


TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min)						
				1~ 230 V	0	2,5	3,0	4,5	5,0	6,0	7,5
	HP	kW	kW	A	H (m)						
5FES 5/3	0,75	0,55	0,8	4,1	33,6	29,2	28,2	24,3	22,9	19,3	11,9
5FES 5/4	1	0,75	1,1	5	44,7	38,9	37,5	32,4	30,5	25,8	15,9
5FES 5/5	1,2	0,9	1,3	6,6	57,1	50,5	49	42,9	40,7	35,1	23
5FES 5/6	1,5	1,1	1,6	7,4	68	59,7	57,7	50,2	47,5	40,6	25,9

TYPE - 50 Hz	P2		P1	CURRENT	Q (m³/h - l/min)						
				3~ 400 V	0	2,5	3,0	4,5	5,0	6,0	7,5
	HP	kW	kW	A	H (m)						
5FEST 5/3	0,75	0,55	0,8	2	34,7	30,9	30	26,6	25,3	22	14,8
5FEST 5/4	1	0,75	1,1	2,2	45,8	40,5	39,3	34,4	32,7	28,2	18,5
5FEST 5/5	1,2	0,9	1,3	2,5	56,7	49,7	48	41,8	39,6	33,8	21,6
5FEST 5/6	1,5	1,1	1,6	2,7	67,4	58,5	56,4	48,6	45,9	38,8	24



TYPE		DIMENSIONS (mm)		M L			Kg	
1~	3~	Lt	DNM	I	L	M	1~	3~
5FES 5/3	5FEST 5/3	446	1" 1/4 G	720	230	175	12	13,3
5FES 5/4	5FEST 5/4	470		720	230	175	13,5	14
5FES 5/5	5FEST 5/5	544		720	230	175	15,7	14,5
5FES 5/6	5FEST 5/6	568		720	230	175	16,2	15



N. CODE	DESCRIPTION	MATERIAL
10.01	SCREW AND FLANGES FOR PRE-LOADING	AISI 304
10.02	CABLE	H07RN-F
10.02	CABLE GLAND	NICKEL PLATED BRASS / NBR
10.03	SEEGER-RING	AISI 304
10.04	CABLE	H07RN-F
10.04	FLOAT SWITCH	PP
10.04	HOLDING CABLE PLATE	PA66
10.04	CABLE GLAND	NICKEL PLATED BRASS / NBR
10.05	CAPACITOR WITH CABLES AND CONNECTORS	-
10.06	CLAMP FOR CAPACITOR	-
20.00	OUTER CASE	AISI 304
20.01	SUCTION STRAINER	AISI 304
30.00	MOTOR HOUSING AND STATOR	AISI 304
30.01	UPPER MOTOR COVER	AISI 304
30.02	UPPER BEARING HOUSING WITH COVER	ALUMINUM
30.03	LOWER MOTOR COVER	AISI 304
30.04	LOWER BEARING COVER	ALUMINUM
30.05	O-RING	NBR
30.06	MECHANICAL SEALS	CERAMIC ALUMINA / CARBON GRAPHITE / NBR
30.07	BALL BEARINGS	6202 2Z-C3 / 6303 2Z-C3
30.08	ROTOR AND PUMP SHAFT	AISI 304
30.09	SCREWS, NUT AND WASHERS	AISI 304 / AISI 316
40.00	STAGE HOUSING AND DIFFUSER	AISI 304
40.01	SPACER	AISI 304
40.02	FLOATING NECK RING	PPS
40.03	INITIAL STAGE HOUSING	AISI 304
50.00	IMPELLER	AISI 304
50.01	IMPELLER SPACERS	AISI 304



Submersible multistage centrifugal pumps for 4" wells, featuring independent floating impellers that reduce axial load on the motor and prevent wear in case of dry running. The motor bracket and coupling are made according to NEMA standards.

Common applications include civil and agricultural use. The pump materials are certified for drinking water, and due to their high efficiency and reliability, these pumps are highly recommended for residential applications and irrigation. The pumps are ideal for automatic water distribution in combination with pressure tanks, irrigation systems, and other uses.

Construction features	
Suction and delivery outlet	stainless steel AISI 304
External jacket	stainless steel AISI 304
Impellers	polyoxymethylene
Diffusers	polyoxymethylene and AISI 304
Support bush with sleeve	polyoxymethylene and ceramic
Shaft	stainless steel AISI 431B
Coupling	stainless steel AISI 316L
Quantity of sand in the water	250 g/m3
Max liquid temperature	45 °C



4E 20

50 Hz - 2900 rpm							Q						
TYPE	P2		SUITABLE MOTOR			l/min	0	15	20	25	30	35	40
			1- 230V		3- 400V	l/sec	0	0,25	0,33	0,42	0,50	0,58	0,67
	HP	Kw	A	μF	A	m³/h	0	0,9	1,2	1,5	1,8	2,1	2,4
4E 20/09-05	0,5	0,37	3,6	20	1,6	H (m)	60	56	50	43	35	26	15
4E 20/14-07	0,75	0,55	4,5	25	2		92	85	76	66	54	40	23
4E 20/19-10	1	0,75	6	35	2,6		122	112	101	86	71	53	30
4E 20/28-15	1,5	1,1	8,2	40	3,4		176	161	145	125	103	77	44
4E 20/38-20	2	1,5	11	50	4,6		231	212	191	164	135	101	58

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	52,5
Max kW / St.	0,039

4E 30

50 Hz - 2900 rpm							Q								
TYPE	P2		SUITABLE MOTOR			l/min	0	15	20	25	30	35	40	45	50
			1- 230V		3- 400V	l/sec	0	0,25	0,33	0,42	0,50	0,58	0,67	0,75	0,83
	HP	Kw	A	μF	A	m³/h	0	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3,0
4E 30/08-05	0,5	0,37	3,6	20	1,6	H (m)	55	51	48	44	39	33	26	18	8
4E 30/12-07	0,75	0,55	4,5	25	2		83	76	72	66	58	49	39	27	12
4E 30/16-10	1	0,75	6	35	2,6		110	101	96	88	78	66	52	36	16
4E 30/23-15	1,5	1,1	8,2	40	3,4		154	141	133	123	109	92	72	51	23
4E 30/32-20	2	1,5	11	50	4,6		214	197	186	171	151	128	101	70	32
4E 30/45-30	3	2,2	14,8	70	6,2		302	277	261	241	213	180	142	99	45
4E 30/60-40	4	3	-	-	7,8		402	369	348	321	284	240	189	132	60

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	53,4
Max kW / St.	0,047

4E 35

50 Hz - 2900 rpm							Q								
TYPE	P2		SUITABLE MOTOR			l/min	0	20	25	30	35	40	45	50	55
			1~ 230V		3~ 400V	l/sec	0	0,33	0,42	0,50	0,58	0,67	0,75	0,83	0,92
	HP	Kw	A	μF	A	m³/h	0	1,2	1,5	1,8	2,1	2,4	2,7	3,0	3,3
4E 35/07-05	0,5	0,37	3,6	20	1,6	H (m)	47	42	39	36	33	28	23	18	12
4E 35/11-07	0,75	0,55	4,5	25	2		74	66	62	57	52	45	37	28	18
4E 35/15-10	1	0,75	6	35	2,6		98	87	82	76	68	59	49	37	24
4E 35/22-15	1,5	1,1	8,2	40	3,4		140	125	118	109	98	85	70	54	35
4E 35/30-20	2	1,5	11	50	4,6		191	171	161	148	134	116	96	73	47
4E 35/42-30	3	2,2	14,8	70	6,2		273	244	229	212	191	166	137	104	67
4E 35/57-40	4	3	-	-	7,8		367	327	308	285	257	223	184	140	91

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	57,8
Max kW / St.	0,05

4E

4E 45

50 Hz - 2900 rpm							Q									
TYPE	P2		SUITABLE MOTOR			l/min	0	30	35	40	45	50	55	60	65	70
			1~ 230V		3~ 400V	l/sec	0	0,50	0,58	0,67	0,75	0,83	0,92	1,00	1,08	1,17
	HP	Kw	A	µF	A	m³/h	0	1,8	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,2
4E 45/06-05	0,5	0,37	3,6	20	1,6	H (m)	41	37	35	33	30	27	24	20	16	12
4E 45/09-07	0,75	0,55	4,5	25	2		62	55	52	49	45	41	36	31	25	18
4E 45/12-10	1	0,75	6	35	2,6		80	72	68	64	59	53	47	40	32	23
4E 45/18-15	1,5	1,1	8,2	40	3,4		120	107	102	96	88	80	70	59	48	35
4E 45/24-20	2	1,5	11	50	4,6		160	143	136	128	118	106	93	79	64	47
4E 45/36-30	3	2,2	14,8	70	6,2		240	215	204	191	176	159	140	119	95	70
4E 45/48-40	4	3	-	-	7,8		320	286	272	255	235	212	186	158	127	94
4E 45/63-55	5,5	4	-	-	9,9		420	375	357	335	309	278	244	207	167	123
Max Eff. %	64		MEI ≥ 0,7 (regulation EU N. 547/2012)													
Max kW / St.	0,062															

4E 55

50 Hz - 2900 rpm							Q							
TYPE	P2		SUITABLE MOTOR			l/min	0	45	50	55	60	65	70	80
			1- 230V		3- 400V	l/sec	0	0,75	0,83	0,92	1,00	1,08	1,17	1,33
	HP	Kw	A	µF	A	m³/h	0	2,7	3,0	3,3	3,6	3,9	4,2	4,8
4E 55/05-05	0,5	0,37	3,6	20	1,6	H (m)	33	28	27	25	23	21	19	13
4E 55/07-07	0,75	0,55	4,5	25	2		47	40	37	35	32	29	26	18
4E 55/10-10	1	0,75	6	35	2,6		67	57	54	50	46	42	37	26
4E 55/15-15	1,5	1,1	8,2	40	3,4		100	85	80	75	70	63	56	39
4E 55/20-20	2	1,5	11	50	4,6		130	110	104	97	90	81	72	50
4E 55/30-30	3	2,2	14,8	70	6,2		195	165	156	146	135	122	108	75
4E 55/40-40	4	3	-	-	7,8		260	220	208	195	180	162	144	100
4E 55/54-55	5,5	4	-	-	9,9		351	296	281	263	243	219	194	135
Max Eff. %	62,1		MEI ≥ 0,7 (regulation EU N. 547/2012)											
Max kW / St.	0,076													

4E 70

50 Hz - 2900 rpm							Q									
TYPE	P2		SUITABLE MOTOR			l/min	0	50	55	60	65	70	80	90	100	110
			1- 230V		3- 400V	l/sec	0	0,83	0,92	1,00	1,08	1,17	1,33	1,50	1,67	1,83
	HP	Kw	A	µF	A	m³/h	0	3,0	3,3	3,6	3,9	4,2	4,8	5,4	6,0	6,6
4E 70/04-05	0,5	0,37	3,6	20	1,6	H (m)	28	25	24	23	22	20	17	14	10	6
4E 70/06-07	0,75	0,55	4,5	25	2		41	37	36	34	33	31	26	20	15	8
4E 70/08-10	1	0,75	6	35	2,6		55	49	48	46	44	41	34	27	19	11
4E 70/12-15	1,5	1,1	8,2	40	3,4		83	74	72	69	65	61	52	41	29	17
4E 70/16-20	2	1,5	11	50	4,6		111	99	95	92	87	82	69	54	39	22
4E 70/24-30	3	2,2	14,8	70	6,2		166	148	143	138	131	123	103	81	58	34
4E 70/32-40	4	3	-	-	7,8		221	197	191	183	174	164	138	108	78	45
4E 70/42-55	5,5	4	-	-	9,9		290	259	250	241	229	215	181	142	102	59
4E 70/57-75	7,5	5,5	-	-	13,8		402	358	347	333	317	297	251	197	141	81
4E 70/76-100	10	7,5	-	-	19,5		536	478	462	444	422	396	334	263	188	109
Max Eff. %		66,8		MEI ≥ 0,7 (regulation EU N. 547/2012)												
Max kW / St.		0,092														

4E 100

50 Hz - 2900 rpm							Q							
TYPE	P2		SUITABLE MOTOR			I/min	0	80	90	100	110	125	150	175
			1- 230V	3- 400V	I/sec	0	1,33	1,50	1,67	1,83	2,08	2,50	2,92	
	HP	Kw	A	µF	A	m³/h	0	4,8	5,4	6,0	6,6	7,5	9,0	10,5
4E 100/04-07	0,75	0,55	4,5	25	2	H (m)	29	23	22	21	19	17	12	6
4E 100/06-10	1	0,75	6	35	2,6		43	34	32	30	29	25	18	9
4E 100/09-15	1,5	1,1	8,2	40	3,4		64	50	48	45	42	37	26	14
4E 100/12-20	2	1,5	11	50	4,6		84	65	62	59	55	49	34	18
4E 100/17-30	3	2,2	14,8	70	6,2		119	92	88	84	79	69	48	26
4E 100/23-40	4	3	-	-	7,8		161	125	120	113	106	94	66	35
4E 100/31-55	5,5	4	-	-	9,9		217	169	161	153	143	126	88	47
4E 100/39-75	7,5	5,5	-	-	13,8		273	212	203	192	180	159	111	59
4E 100/54-100	10	7,5	-	-	19,5		378	294	281	266	249	220	154	81

MEI ≥ 0,4 (regulation EU N. 547/2012)

Max Eff. %	71,5
Max kW / St.	0,124

4E 150

50 Hz - 2900 rpm							Q								
TYPE	P2		SUITABLE MOTOR			I/min	0	100	110	125	150	175	200	225	250
			1- 230V	3- 400V	I/sec	0	1,67	1,83	2,08	2,50	2,92	3,33	3,75	4,17	
	HP	Kw	A	μF	A	m³/h	0	6,0	6,6	7,5	9,0	10,5	12,0	13,5	15,0
4E 150/04-10	1	0,75	6	35	2,6	H (m)	27	24	23	22	20	17	13	8	3
4E 150/06-15	1,5	1,1	8,2	40	3,4		41	36	35	33	30	26	20	13	5
4E 150/08-20	2	1,5	11	50	4,6		55	48	47	45	40	34	27	17	6
4E 150/12-30	3	2,2	14,8	70	6,2		82	72	70	67	60	51	40	25	10
4E 150/15-40	4	3	-	-	7,8		103	90	88	84	75	64	50	32	12
4E 150/21-55	5,5	4	-	-	9,9		144	126	123	117	105	89	70	44	17
4E 150/28-75	7,5	5,5	-	-	13,8		196	171	167	159	143	121	95	60	23
4E 150/38-100	10	7,5	-	-	19,5		263	230	225	214	192	163	127	81	31

MEI ≥ 0,4 (regulation EU N. 547/2012)

Max Eff. %	68,6
Max kW / St.	0,184

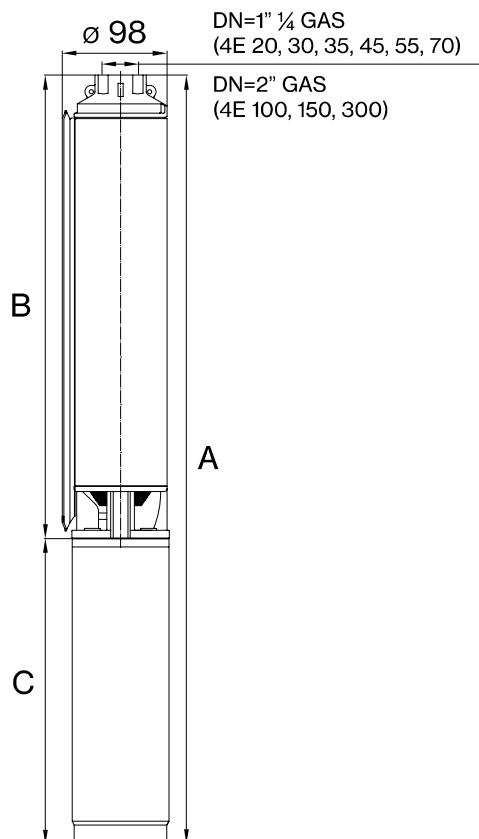
4E 300

50 Hz - 2900 rpm							Q														
TYPE	P2		SUITABLE MOTOR			I/min	0	150	175	200	225	250	275	300	325	350	375	400	425	450	
			1~ 230V	3~ 400V	I/sec	0	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,42	5,83	6,25	6,67	7,08	7,50		
	HP	Kw	A	μF	A	m³/h	0	9,0	10,5	12,0	13,5	15,0	16,5	18,0	19,5	21,0	22,5	24,0	25,5	27,0	
4E 300/04-15	1,5	1,1	8,2	40	3,4	H (m)	23	19	18	17	16	15	14	13	12	11	9	8	6	4	
4E 300/06-20	2	1,5	11	50	4,6		35	29	27	25	24	23	21	20	18	16	14	11	9	5	
4E 300/09-30	3	2,2	14,8	70	6,2		52	43	40	38	36	34	32	30	28	24	21	17	13	8	
4E 300/12-40	4	3	-	-	7,8		69	57	54	51	48	45	43	40	37	33	28	23	17	11	
4E 300/16-55	5,5	4	-	-	9,9		92	76	72	68	64	60	57	53	49	44	37	30	23	14	
4E 300/22-75	7,5	5,5	-	-	13,8		127	105	98	93	88	83	78	73	67	60	51	42	32	20	
4E 300/30-100	10	7,5	-	-	19,5		173	143	134	127	120	113	107	100	92	82	70	57	43	27	

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	74,3
Max kW / St.	0,243

4E



4E 20

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 20/09-05	641	641	316	325	325	10,3	9,8	3,3	7	6,5
4E 20/14-07	741	741	416	325	325	12	11,4	4,4	7,6	7
4E 20/19-10	866	841	516	350	325	14,1	13	5,4	8,7	7,6
4E 20/28-15	1117	1082	732	385	350	18	16,4	7,7	10,3	8,7
4E 20/38-20	1350	1315	930	420	385	21,8	20,2	9,8	12	10,4

4E 30

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 30/08-05	598	598	273	325	325	10	9,5	3	7	6,5
4E 30/12-07	665	665	340	325	325	11,4	10,8	3,8	7,6	7
4E 30/16-10	758	733	408	350	325	13,2	12,1	4,5	8,7	7,6
4E 30/23-15	911	876	526	385	350	16,2	14,6	5,9	10,3	8,7
4E 30/32-20	1134	1099	714	420	385	20	18,4	8	12	10,4
4E 30/45-30	1439	1389	969	470	420	25,1	22,9	10,9	14,2	12
4E 30/60-40	-	1642	1224	-	418	-	28	13,8	-	14,2

4E 35

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 35/07-05	602	602	277	325	325	9,9	9,4	2,9	7	6,5
4E 35/11-07	681	681	356	325	325	11,3	10,7	3,7	7,6	7
4E 35/15-10	786	761	436	350	325	13,2	12,1	4,5	8,7	7,6
4E 35/22-15	960	925	575	385	350	16,2	14,6	5,9	10,3	8,7
4E 35/30-20	1190	1155	770	420	385	20	18,4	8	12	10,4
4E 35/42-30	1478	1428	1008	470	420	24,6	22,4	10,4	14,2	12
4E 35/57-40	-	1762	1344	-	418	-	28,1	13,9	-	14,2

4E 45

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 45/06-05	582	582	257	325	325	9,7	9,2	2,7	7	6,5
4E 45/09-07	641	641	316	325	325	10,9	10,3	3,3	7,6	7
4E 45/12-10	726	701	376	350	325	12,6	11,5	3,9	8,7	7,6
4E 45/18-15	880	845	495	385	350	15,4	13,8	5,1	10,3	8,7
4E 45/24-20	1035	1000	615	420	385	18,3	16,7	6,3	12	10,4
4E 45/36-30	1360	1310	890	470	420	23,4	21,2	9,2	14,2	12
4E 45/48-40	-	1582	1164	-	418	-	26,2	12	-	14,2
4E 45/63-55	-	1932	1464	-	468	-	30,4	15,1	-	15,3

4E 55

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 55/05-05	562	562	237	325	325	9,5	9	2,5	7	6,5
4E 55/07-07	602	602	277	325	325	10,5	9,9	2,9	7,6	7
4E 55/10-10	686	661	336	350	325	12,2	11,1	3,5	8,7	7,6
4E 55/15-15	821	786	436	385	350	14,8	13,2	4,5	10,3	8,7
4E 55/20-20	955	920	535	420	385	17,5	15,9	5,5	12	10,4
4E 55/30-30	1240	1190	770	470	420	22,2	20	8	14,2	12
4E 55/40-40	-	1388	970	-	418	-	24,2	10	-	14,2
4E 55/54-55	-	1752	1284	-	468	-	28,5	13,2	-	15,3

4E 70

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 70/04-05	550	550	225	325	325	9,3	8,8	2,3	7	6,5
4E 70/06-07	594	594	269	325	325	10,4	9,8	2,8	7,6	7
4E 70/08-10	663	638	313	350	325	11,9	10,8	3,2	8,7	7,6
4E 70/12-15	785	750	400	385	350	14,4	12,8	4,1	10,3	8,7
4E 70/16-20	908	873	488	420	385	16,9	15,3	4,9	12	10,4
4E 70/24-30	1133	1083	663	470	420	20,9	18,7	6,7	14,2	12
4E 70/32-40	-	1292	874	-	418	-	23	8,8	-	14,2
4E 70/42-55	-	1562	1094	-	468	-	26,3	11	-	15,3
4E 70/57-75	-	1996	1458	-	538	-	33,7	15,1	-	18,6
4E 70/76-100	-	2722	1912	-	810	-	46,7	19,7	-	27

4E 100

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1-)	A (3-)	B	C (1-)	C (3-)	A (1-)	A (3-)	B	C (1-)	C (3-)
4E 100/04-07	609	609	284	325	325	10,5	9,9	2,9	7,6	7
4E 100/06-10	708	683	358	350	325	12,3	11,2	3,6	8,7	7,6
4E 100/09-15	854	819	469	385	350	14,9	13,3	4,6	10,3	8,7
4E 100/12-20	1000	965	580	420	385	17,6	16	5,6	12	10,4
4E 100/17-30	1234	1184	764	470	420	21,4	19,2	7,2	14,2	12
4E 100/23-40	-	1438	1020	-	418	-	23,6	9,4	-	14,2
4E 100/31-55	-	1820	1352	-	468	-	27,7	12,4	-	15,3
4E 100/39-75	-	2185	1647	-	538	-	34	15,4	-	18,6
4E 100/54-100	-	3012	2202	-	810	-	47,3	20,3	-	27

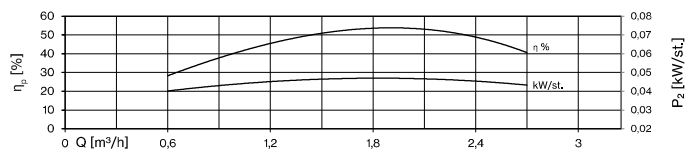
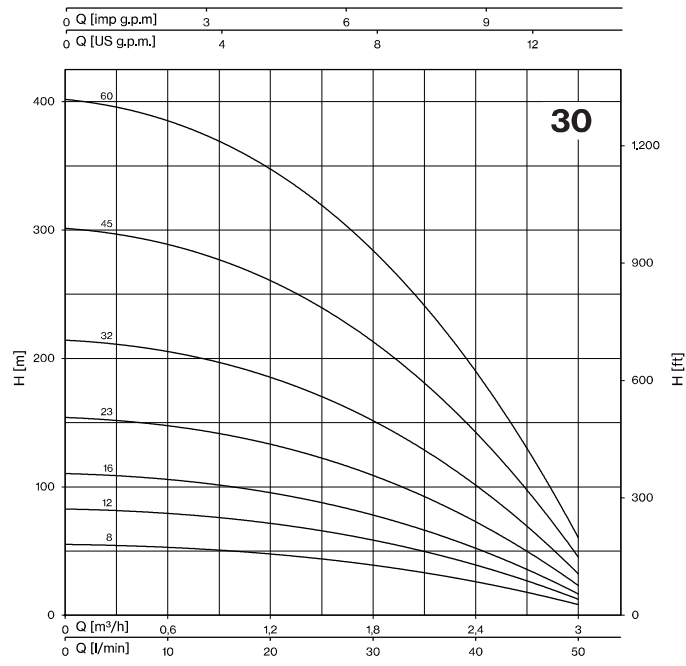
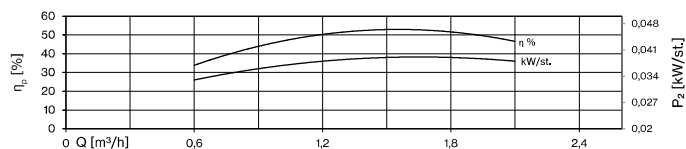
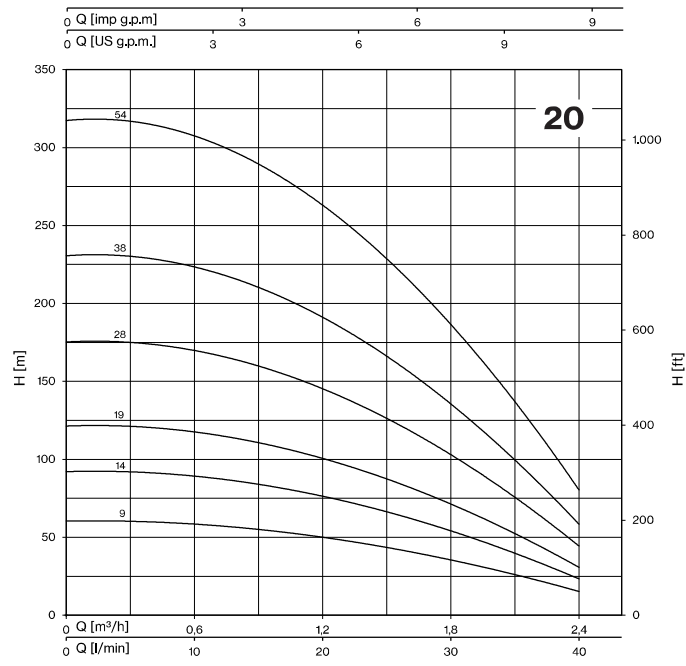
4E

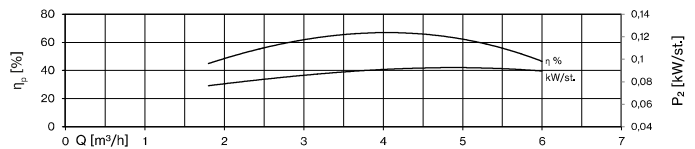
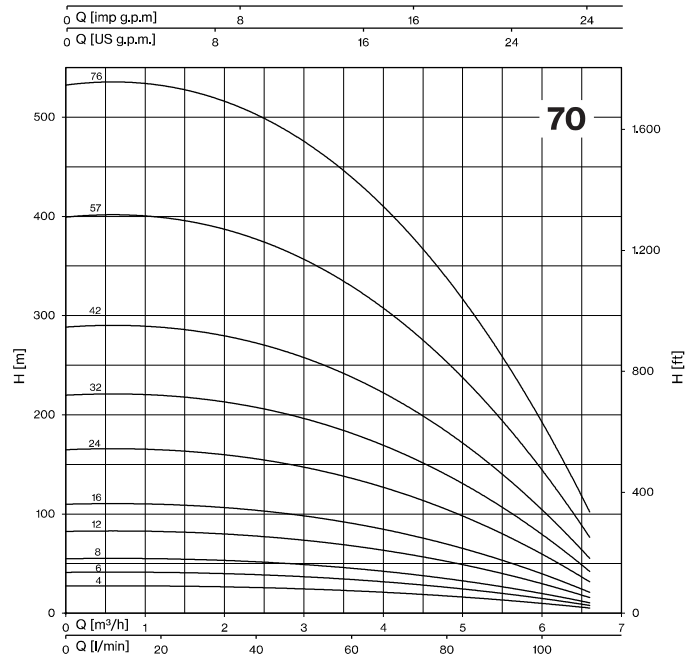
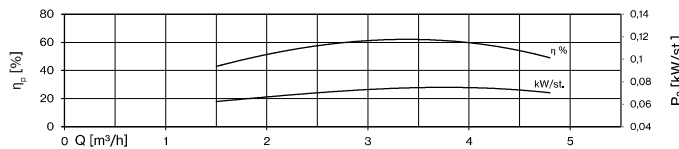
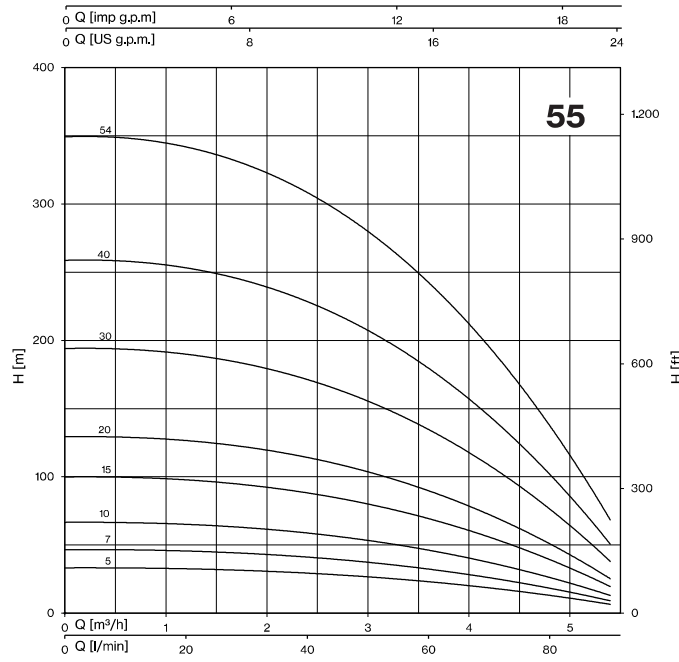
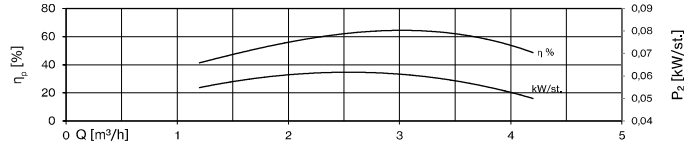
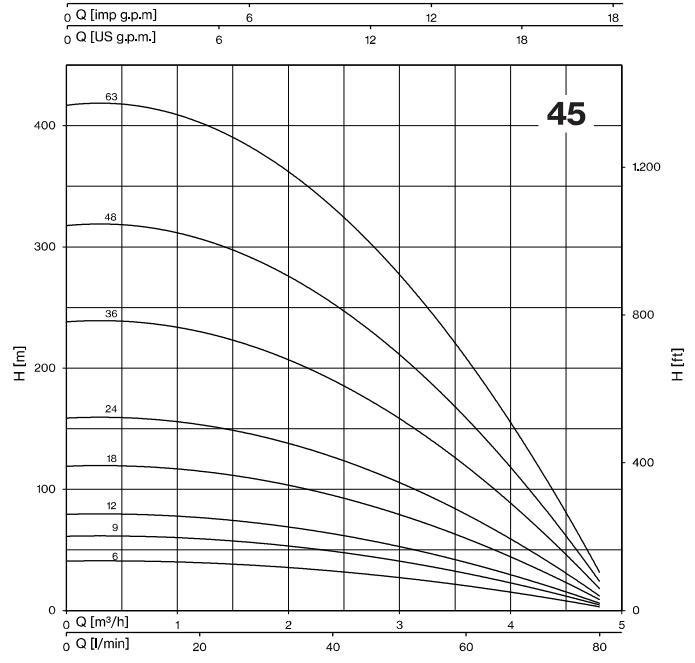
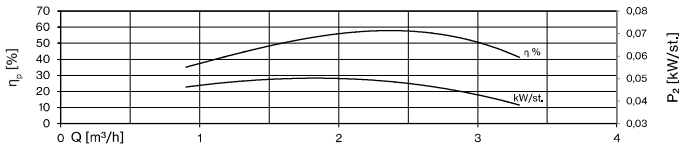
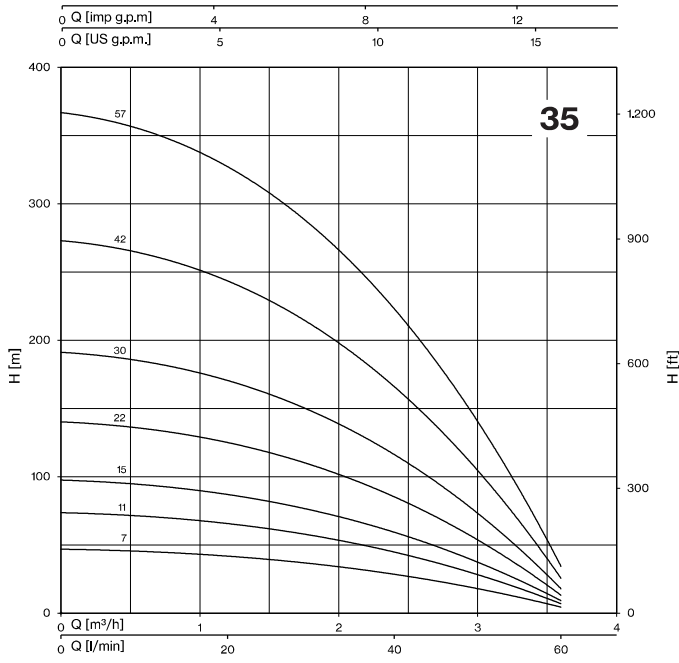
4E 150

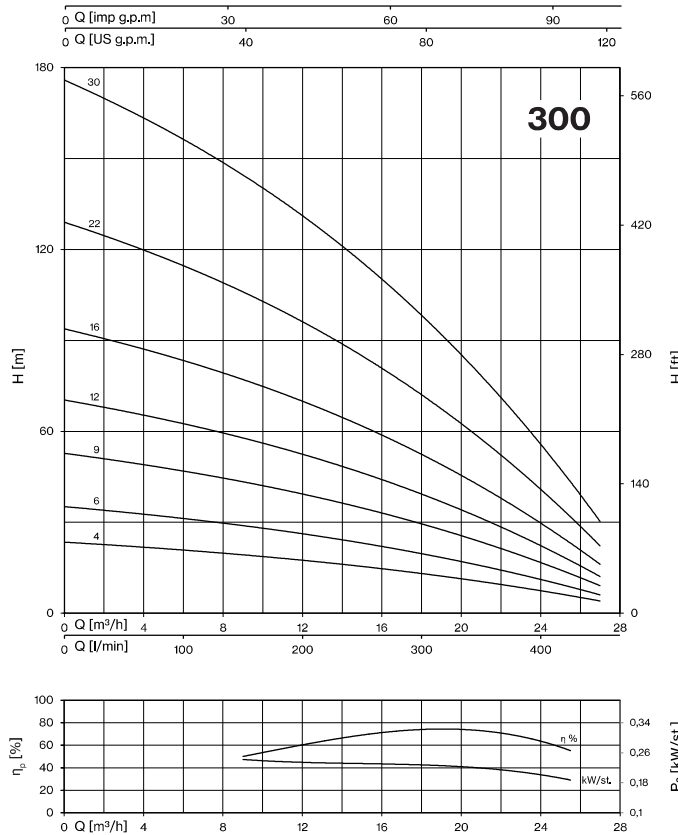
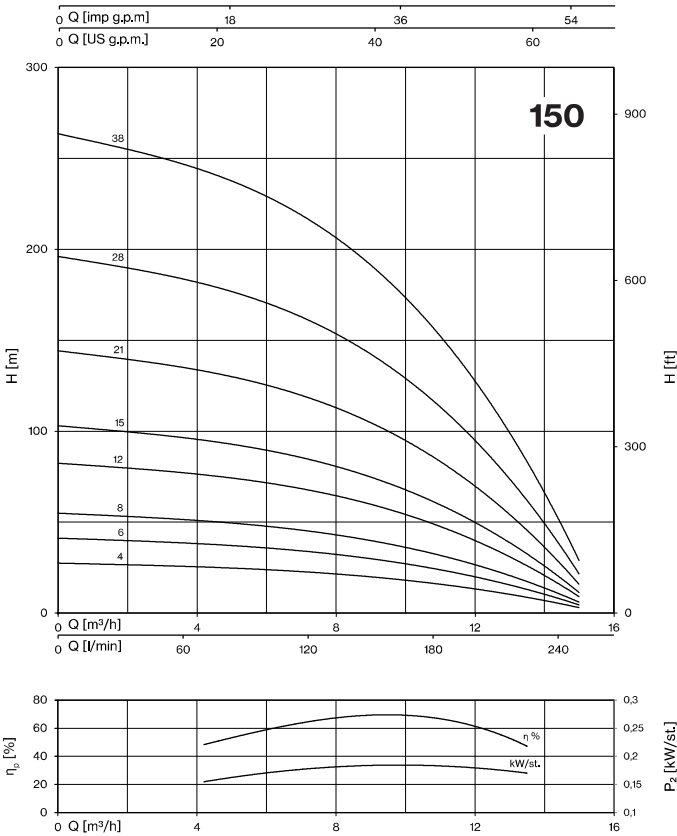
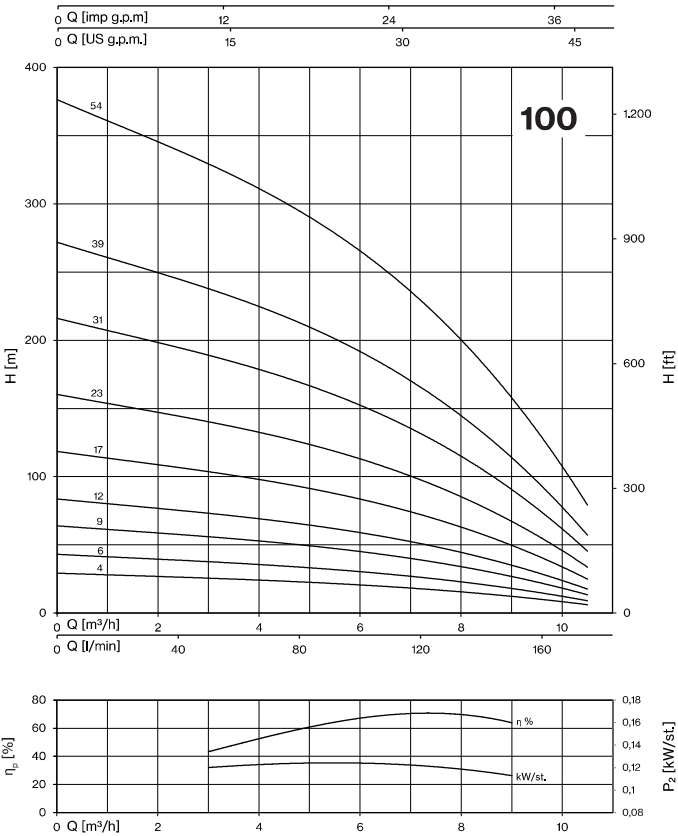
TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1~)	A (3~)	B	C (1~)	C (3~)	A (1~)	A (3~)	B	C (1~)	C (3~)
4E 150/04-10	646	621	296	350	325	11,7	10,6	3	8,7	7,6
4E 150/06-15	761	726	376	385	350	14	12,4	3,7	10,3	8,7
4E 150/08-20	876	841	456	420	385	16,4	14,8	4,4	12	10,4
4E 150/12-30	1086	1036	616	470	420	20,1	17,9	5,9	14,2	12
4E 150/15-40	-	1153	735	-	418	-	21,1	6,9	-	14,2
4E 150/21-55	-	1477	1009	-	468	-	24,5	9,2	-	15,3
4E 150/28-75	-	1828	1290	-	538	-	30,6	12	-	18,6
4E 150/38-100	-	2574	1764	-	810	-	43,1	16,1	-	27

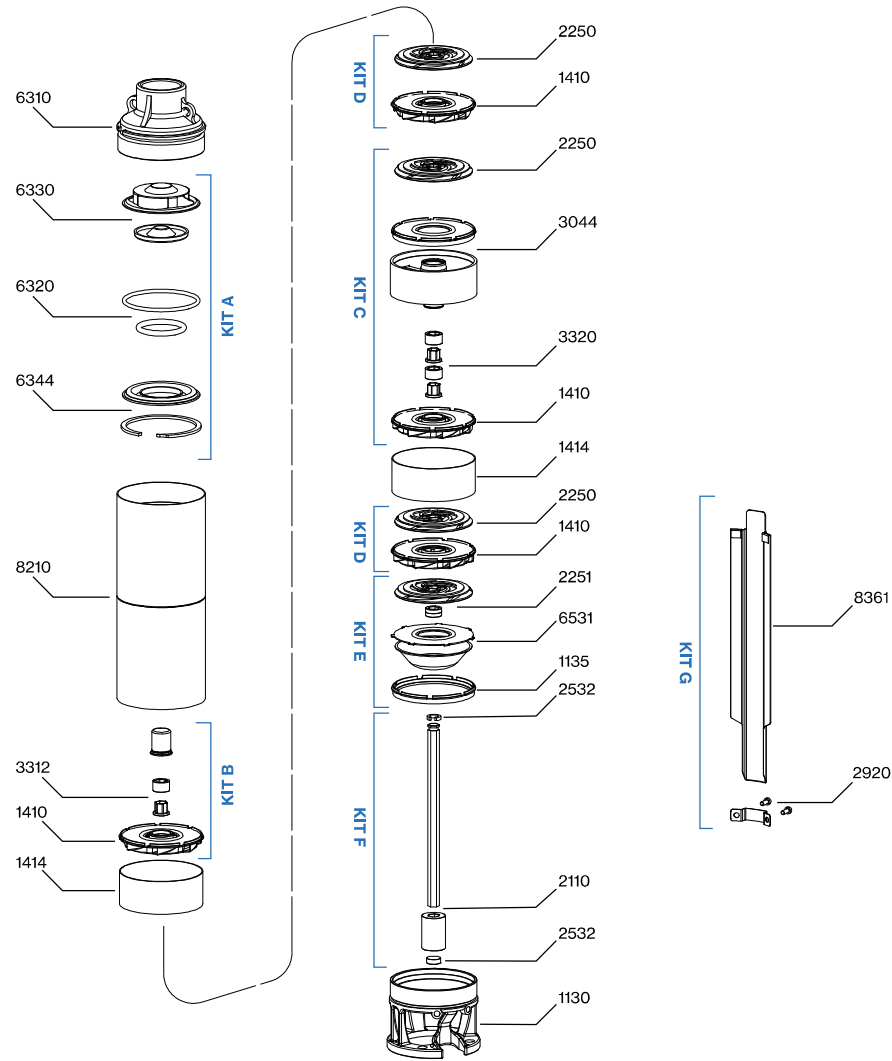
4E 300

TYPE	DIMENSIONS (mm)					WEIGHT (kg)				
	A (1~)	A (3~)	B	C (1~)	C (3~)	A (1~)	A (3~)	B	C (1~)	C (3~)
4E 300/04-15	789	754	404	385	350	13,4	11,8	3,1	10,3	8,7
4E 300/06-20	957	922	537	420	385	16,1	14,5	4,1	12	10,4
4E 300/09-30	1208	1158	738	470	420	-	17,7	5,7	14,2	12
4E 300/12-40	-	1357	939	-	418	-	21,5	7,3	-	14,2
4E 300/16-55	-	1674	1206	-	468	-	24,7	9,4	-	15,3
4E 300/22-75	-	2146	1608	-	538	-	31,1	12,5	-	18,6
4E 300/30-100	-	2955	2145	-	810	-	43,7	16,7	-	27

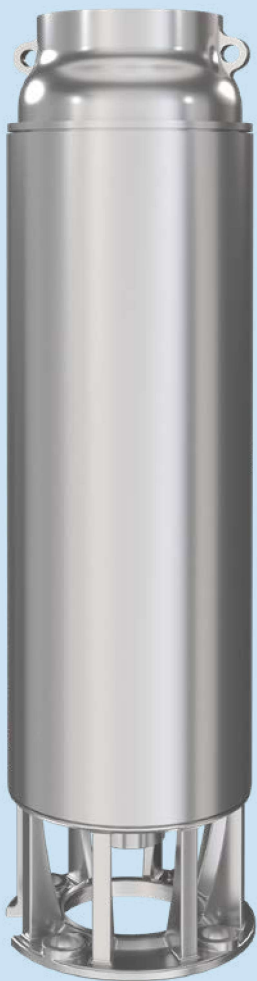








N. CODE	KIT	DESCRIPTION	MATERIAL
6320	KIT A <i>check valve</i>	O-RINGS	NBR
6330		WING VALVE WITH COVER	AISI 304
6340		WING VALVE ALIGNER	POM-C
6344		SUPPORT WING VALVE AND SEEGER	AISI 304
1410	KIT B <i>upper support</i>	COMPLETE DIFFUSER WITH DISC	POM-C + CERAMIC AI203 + AISI 304
3312		SUPPORT BUSH WITH SLEEVE	POM-C + CERAMIC AI203
2531		SEEGER	POM-C
1410	KIT C <i>intermediate support</i>	COMPLETE DIFFUSER WITH DISC	POM-C + CERAMIC AI203 + AISI 304
2250		IMPELLER	POM-C
3320		SUPPORT BUSH WITH 2X SLEEVE	POM-C + CERAMIC AI203
3044		INTERMEDIATE SUPPORT	AISI 304
1410	KIT D <i>stage</i>	COMPLETE DIFFUSER WITH DISC	POM-C + CERAMIC AI203 + AISI 304
2250		IMPELLER	POM-C
1135	KIT E <i>first stage</i>	CENTERING RING	POM-C
6531		DISC AND GRID	AISI 304
2251		FIRST IMPELLER WITH SPACERS	POM-C
2110	KIT F <i>shaft with coupling</i>	SHAFT WITH COUPLING	AISI 431B
2532		SEEGER WITH SHOCK SUPPORT	POM-C
2920	KIT G <i>cable cover</i>	SCREWS	AISI 304
8361		CABLE COVER	AISI 304
1130	-	BOTTOM CASING	AISI 304
1414		SPACER PIPE	AISI 304
6310		TOP CASING	AISI 304
8210		EXTERNAL PIPE	AISI 304



Submersible multistage centrifugal pumps for 6" wells, made of solid and sturdy construction. The motor bracket and coupling are made according to NEMA standards: 4" motor up to 7.5 HP, 6" motor above 10 HP.

High-pressure pumps, due to their excessive length, are delivered in separate liquid-ends and can be easily reassembled at the installation site. Common applications include civil and agricultural use. The pump materials are certified for drinking water, and due to their high efficiency and reliability, these pumps are highly recommended for residential, commercial, and agricultural applications.

The pumps are ideal for automatic water distribution in combination with pressure tanks, irrigation systems, and other uses.

Construction features

Suction and delivery outlet	stainless steel AISI 304
External jacket	stainless steel AISI 304
Impellers	polyphenylene oxide
Diffusers	polyphenylene oxide and AISI 304
Support bush with sleeves	stainless steel AISI 316L
Shaft	stainless steel AISI 431B
Coupling	stainless steel AISI 316L
Quantity of sand in the water	150 g/m3
Max liquid temperature	35 °C



6E 175

50 Hz - 2900 rpm						Q									
TYPE	SUITABLE MOTOR 3~ 400V			AXIAL LOAD	l/min	0	100	120	125	150	175	200	225	250	275
	P2		CURRENT			l/sec	0	1,67	2,00	2,08	2,50	2,92	3,33	3,75	4,17
	HP	KW	A	N	m³/h		0	6,0	7,2	7,5	9,0	10,5	12,0	13,5	15,0
6E 175/05-30	3	2,2	6,2	1410	H (m)	78	67	64	63	58	53	46	37	27	16
6E 175/06-40	4	3	7,8	1690		94	80	77	76	70	63	55	44	32	19
6E 175/07-55	5,5	4	9,9	1970		109	94	90	89	82	74	64	52	38	22
6E 175/08-55	5,5	4	9,9	2250		125	107	103	101	93	84	73	59	43	25
6E 175/09-55	5,5	4	9,9	2530		140	121	115	114	105	95	82	67	48	28
6E 175/12-75	7,5	5,5	13,8	3370		187	161	154	152	140	127	109	89	65	37
6E 175/16-100	10	7,5	16,9	4500		250	214	205	202	187	169	146	118	86	50
6E 175/18-125	12,5	9,3	21,5	5060		281	241	231	228	210	190	164	133	97	56
6E 175/21-125	12,5	9,3	21,5	5900		328	281	269	266	245	222	192	155	113	65
6E 175/24-150	15	11	23,7	6740		374	322	308	304	280	253	219	178	129	74
6E 175/28-175	17,5	13	27,8	7870		437	375	359	354	327	295	255	207	151	87
6E 175/32-200	20	15	30,4	8990		499	429	410	405	374	338	292	237	172	99
6E 175/40-250	25	18,5	38,3	11240		624	536	513	506	467	422	365	296	215	124
6E 175/48-300	30	22	44	13480		749	643	615	607	561	506	438	355	258	149
6E 175/54-400	40	30	62	15170		842	724	692	683	631	570	492	400	291	167

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	68,1
Max kW / St.	0,444

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	1,1	1,5	2,0	4,5

6E 225

50 Hz - 2900 rpm						Q									
TYPE	SUITABLE MOTOR 3~ 400V			AXIAL LOAD	l/min	0	150	175	200	225	250	275	300	325	350
	P2		CURRENT			l/sec	0	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,42
	HP	KW	A	N	m³/h		0	9,0	10,5	12,0	13,5	15,0	16,5	18,0	19,5
6E 225/05-40	4	3	7,8	1420	H (m)	79	71	68	64	58	52	45	37	27	15
6E 225/06-55	5,5	4	9,9	1700		94	86	81	76	70	63	54	44	32	17
6E 225/07-75	7,5	5,5	13,8	1980		110	100	95	89	82	73	63	51	37	20
6E 225/08-75	7,5	5,5	13,8	2270		126	114	109	102	93	83	72	58	42	23
6E 225/09-75	7,5	5,5	13,8	2550		141	128	122	115	105	94	81	66	48	26
6E 225/12-100	10	7,5	16,9	3400		188	171	163	153	140	125	108	88	64	35
6E 225/15-125	12,5	9,2	21,5	4240		236	214	204	191	175	156	135	110	80	44
6E 225/18-150	15	11	23,7	5090		283	257	244	229	210	188	162	131	95	52
6E 225/21-175	17,5	13	27,8	5940		330	299	285	267	245	219	189	153	111	61
6E 225/24-200	20	15	30,4	6790		377	342	326	306	280	250	216	175	127	70
6E 225/30-250	25	18,5	38,3	8480		471	428	407	382	350	313	269	219	159	87
6E 225/35-300	30	22	44	9900		550	499	475	446	408	365	314	256	186	102
6E 225/40-400	40	30	62	11310		628	570	543	509	466	417	359	292	212	116
6E 225/45-400	40	30	62	12720		707	641	611	573	524	469	404	329	239	131
6E 225/52-500	50	37	72	14700		816	741	706	662	606	542	467	380	276	151

MEI ≥ 0,7 (regulation EU N. 547/2012)

Max Eff. %	69,6
Max kW / St.	0,637

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	1,1	1,4	3,2	6,9

6E

6E 350

50 Hz - 2900 rpm					Q											
TYPE	SUITABLE MOTOR 3~ 400V			AXIAL LOAD	l/min	0	225	250	275	300	350	400	450	500	550	600
	P2		CURRENT			l/sec	0	3,75	4,17	4,58	5,00	5,83	6,67	7,50	8,33	9,17
	HP	kW	A	N	m³/h		0	13,5	15,0	16,5	18,0	21,0	24,0	27,0	30,0	33,0
6E 350/02-20	2	1,5	4,6	790	H (m)	28	23	22	21	20	18	15	13	10	7	4
6E 350/03-30	3	2,2	6,2	1180		42	34	33	32	30	27	23	19	15	10	5
6E 350/04-40	4	3	7,8	1570		56	46	44	42	40	36	31	26	20	14	7
6E 350/05-55	5,5	4	9,9	1960		70	57	55	53	50	45	39	32	25	17	9
6E 350/07-75	7,5	5,5	13,8	2750		98	80	77	74	70	62	54	45	35	24	13
6E 350/10-100	10	7,5	16,9	3920		140	114	110	105	100	89	77	64	50	34	18
6E 350/12-125	12,5	9,3	21,5	4700		168	137	131	126	120	107	93	77	60	41	22
6E 350/15-150	15	11	23,7	5880		210	171	164	158	150	134	116	96	75	51	27
6E 350/17-175	17,5	13	27,8	6660		238	194	186	179	170	152	131	109	85	58	31
6E 350/20-200	20	15	30,4	7840		280	228	219	210	200	178	154	128	100	69	36
6E 350/25-250	25	18,5	38,3	9800		350	285	274	263	250	223	193	160	125	86	45
6E 350/30-300	30	22	44	11760		420	342	329	315	300	268	232	192	149	103	54
6E 350/35-400	40	30	62	13720		490	399	383	368	350	312	270	224	174	120	63
6E 350/40-400	40	30	62	15680		560	456	438	420	400	357	309	256	199	137	72
6E 350/50-500	50	37	72	19600		700	571	548	525	500	446	386	320	249	172	90

MEI ≥ 0,4 (regulation EU N. 547/2012)

Max Eff. %	69,1
Max kW / St.	0,75

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	1,2	1,6	2	4,8

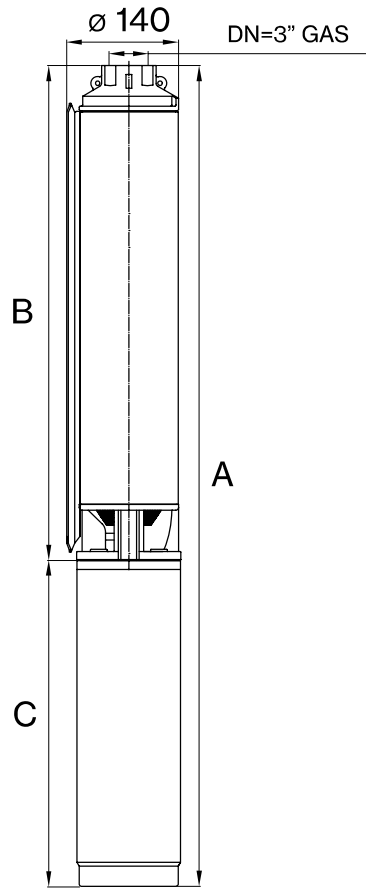
6E 400

50 Hz - 2900 rpm					Q											
TYPE	SUITABLE MOTOR 3~ 400V			AXIAL LOAD	I/min	0	300	325	350	375	400	450	500	550	600	650
	P2		CURRENT		I/sec	0	5,00	5,42	5,83	6,25	6,67	7,50	8,33	9,17	10,00	10,83
	HP	kW	A	N	m³/h	0	18,0	19,5	21,0	22,5	24,0	27,0	30,0	33,0	36,0	39,0
6E 400/03-40	4	3	7,8	1290	H (m)	46	35	34	32	31	29	25	21	16	10	4
6E 400/04-55	5,5	4	9,9	1720		61	47	45	43	41	39	33	27	21	13	5
6E 400/06-75	7,5	5,5	12,5	2570		92	70	68	65	61	58	50	41	31	20	8
6E 400/08-100	10	7,5	16,9	3430		122	94	90	86	82	77	67	55	42	27	11
6E 400/10-125	12,5	9,3	21,5	4290		153	117	113	108	102	97	84	69	52	34	14
6E 400/12/150	15	11	23,7	5150		184	141	135	129	123	116	100	82	63	40	16
6E 400/14-175	17,5	13	27,8	6000		214	164	158	151	143	135	117	96	73	47	19
6E 400/16-200	20	15	30,4	6860		245	187	180	172	164	154	134	110	83	54	22
6E 400/20-250	25	18,5	38,3	8570		306	234	225	215	205	193	167	137	104	67	27
6E 400/24-300	30	22	44	10290		367	281	270	258	246	232	200	164	125	81	32
6E 400/28-400	40	30	62	12000		428	328	315	301	287	270	234	192	146	94	38
6E 400/32-400	40	30	62	13710		490	375	360	344	328	309	267	219	167	108	43
6E 400/40-500	50	37	72	17140		612	468	450	430	410	386	334	274	208	134	54

MEI ≥ 0,4 (regulation EU N. 547/2012)

Max Eff. %	67,8
Max kW / St.	0,94

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	1,2	1,6	2,3	5,0



6E 175

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)		
		A	B	C	A	B	C
6E 175/05-30-4	4" NEMA	898	478	420	21,8	9,8	12
6E 175/06-40-4		934	516	418	23,2	10,4	12,8
6E 175/07-55-4		1022	554	468	26,4	11,1	15,3
6E 175/08-55-4		1060	592	468	27,1	11,8	15,3
6E 175/09-55-4		1098	630	468	27,7	12,4	15,3
6E 175/12-75-4		1282	744	538	33,3	14,4	18,9
6E 175/16-100	6" NEMA	1458	858	600	58,9	16,9	42
6E 175/18-125		1572	972	600	63,3	18,3	45
6E 175/21-125		1686	1086	600	67,2	22,2	45
6E 175/24-150		1900	1200	700	72,2	24,2	48
6E 175/28-175		2104	1404	700	77,7	27,7	50
6E 175/32-200*		2453	1693	760	95	41	54
6E 175/40-250*		2827	1997	830	112,5	47,5	65
6E 175/48-300*		3191	2301	890	124,1	54,1	70
6E 175/54-400*		3559	2529	1030	149	59	90

* Pump supplied in separate liquid ends

6E

6E 225

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)		
		A	B	C	A	B	C
6E 225/05-40-4	4" NEMA	896	478	418	22,6	9,8	12,8
6E 225/06-55-4		984	516	468	25,8	10,5	15,3
6E 225/07-75-4		1092	554	538	29,7	11,1	18,6
6E 225/08-75-4		1130	592	538	30,4	11,8	18,6
6E 225/09-75-4		1168	630	538	31	12,4	18,6
6E 225/12-100	6" NEMA	1344	744	600	56,3	14,3	42
6E 225/15-125		1458	858	600	61,3	16,3	45
6E 225/18-150		1672	972	700	66,2	18,2	48
6E 225/21-175		1786	1086	700	72,2	22,2	50
6E 225/24-200		1960	1200	760	78,1	24,1	54
6E 225/30-250		2310	1480	830	93,9	28,9	65
6E 225/35-300*		2697	1807	890	113,1	43,1	70
6E 225/40-400*		3027	1997	1030	137,2	47,2	90
6E 225/45-400*		3217	2187	1030	141,3	51,3	90
6E 225/52-500*		3623	2453	1170	158	57	101

* Pump supplied in separate liquid ends

6E 350

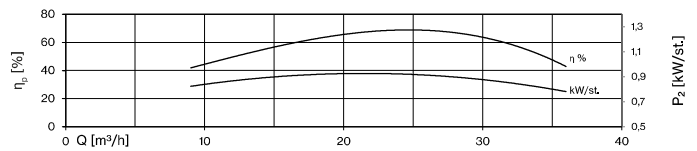
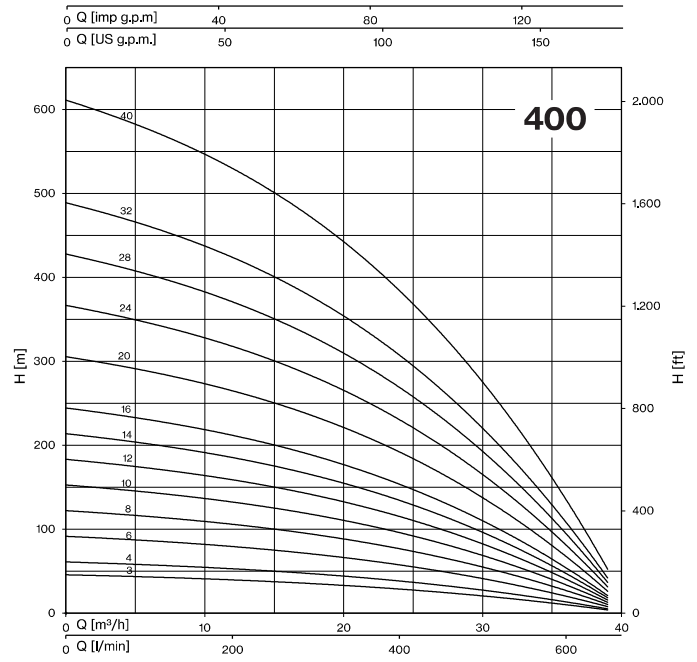
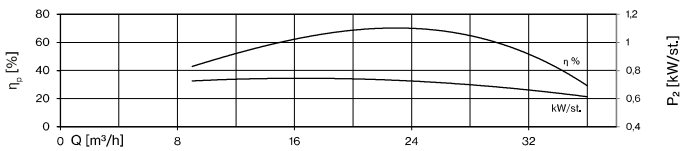
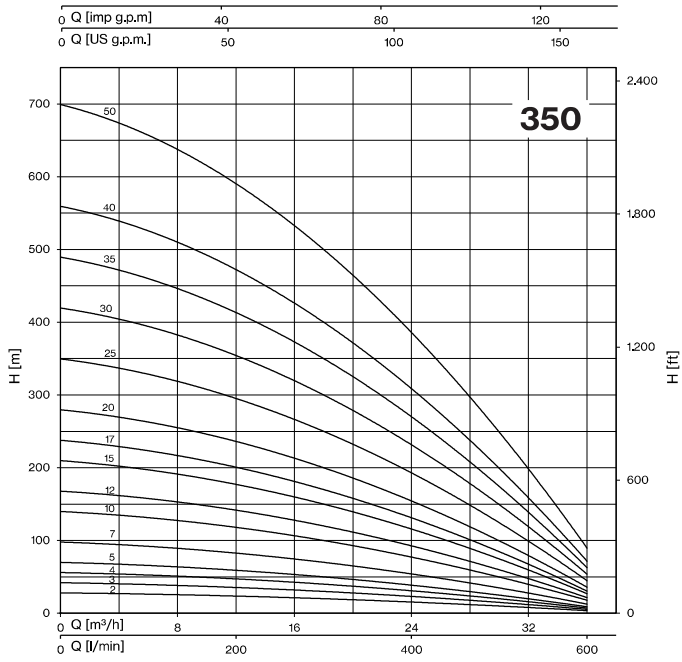
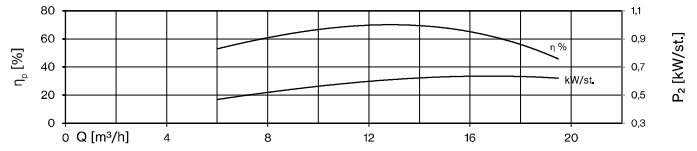
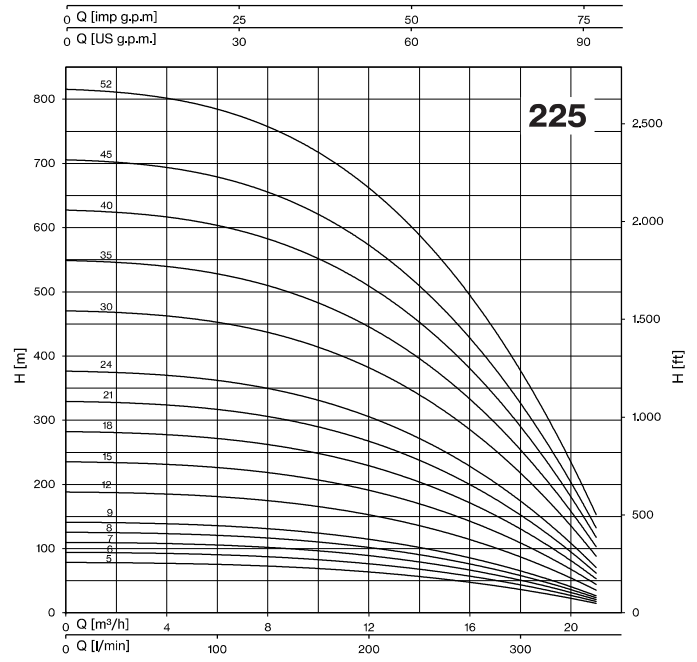
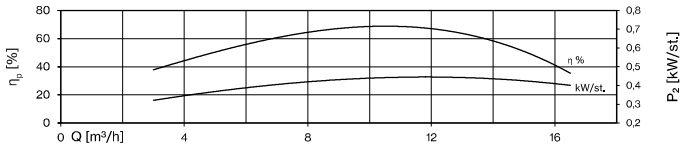
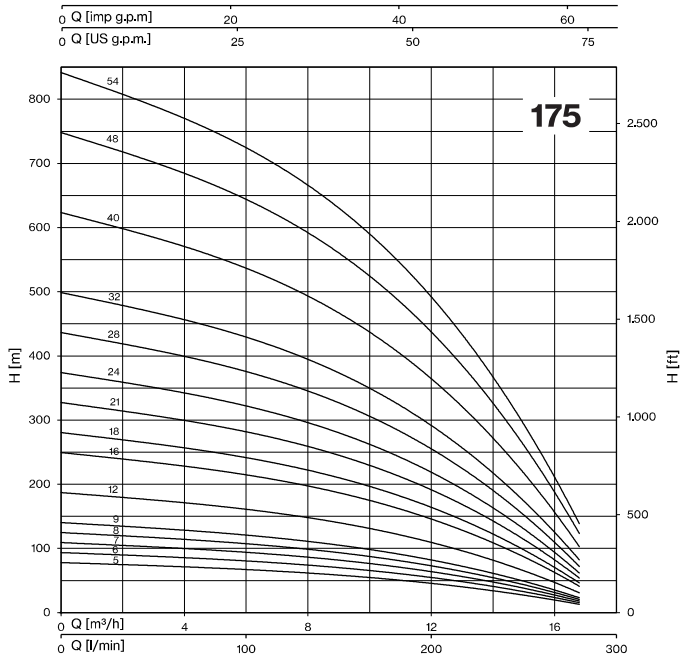
TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)		
		A	B	C	A	B	C
6E 350/02-20-4	4" NEMA	786	401	385	17,8	7,4	10,4
6E 350/03-30-4		878	458	420	20,3	8,3	12
6E 350/04-40-4		933	515	418	22	9,2	12,8
6E 350/05-55-4		1040	572	468	25,3	10	15,3
6E 350/07-75-4		1224	686	538	30,7	11,8	18,9
6E 350/10-100	6" NEMA	1457	857	600	56,3	14,3	42
6E 350/12-125		1571	971	600	61,1	16,1	45
6E 350/15-150		1842	1142	700	66,7	18,7	48
6E 350/17-175		2008	1308	700	71,2	21,2	50
6E 350/20-200		2254	1494	760	79,9	25,9	54
6E 350/25-250		2608	1778	830	95,3	30,3	65
6E 350/30-300*		3077	2187	890	119,1	49,1	70
6E 350/35-400*		3502	2472	1030	144,7	54,7	90
6E 350/40-400*		3891	2861	1030	152,5	62,5	90
6E 350/50-500*		4601	3431	1170	174,7	73,7	101

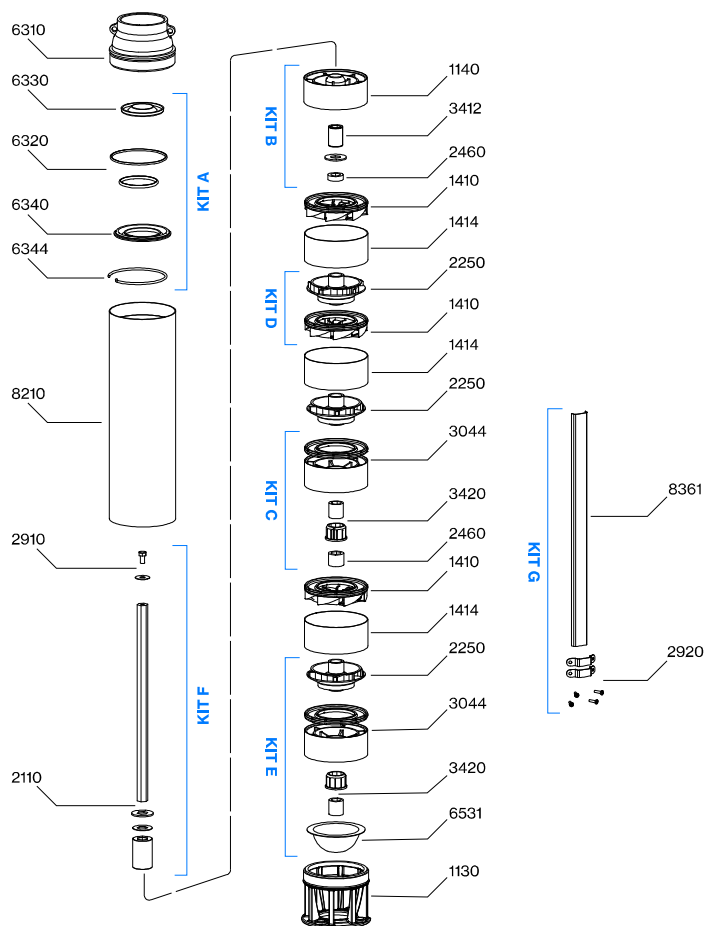
* Pump supplied in separate liquid ends

6E 400

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)		
		A	B	C	A	B	C
6E 400/03-40-4	4" NEMA	877	459	418	22,6	9,8	12,8
6E 400/04-55-4		984	516	468	26,1	10,8	15,3
6E 400/06-75-4		1200	630	570	52,9	12,9	40
6E 400/08-100	6" NEMA	1344	744	600	56,9	14,9	42
6E 400/10-125		1458	858	600	62,1	17,1	45
6E 400/12-150		1672	972	700	67,2	19,2	48
6E 400/14-175		1786	1086	700	71,4	21,4	50
6E 400/16-200		1960	1200	760	77,4	23,4	54
6E 400/20-250		2310	1480	830	92,7	27,7	65
6E 400/24-300		2597	1707	890	101,5	31,5	70
6E 400/28-400*		3103	2073	1030	136,9	46,9	90
6E 400/32-400*		3331	2301	1030	141,2	51,2	90
6E 400/40-500*		3927	2757	1170	160,8	59,8	101
6E 400/46-600*		-	3099	-	-	66,3	-

* Pump supplied in separate liquid ends





N. CODE	KIT	DESCRIPTION	MATERIAL
6320	KIT A <i>check valve</i>	O-RINGS	NBR
6330		WING VALVE	AISI 304
6340		WING VALVE SUPPORT	AISI 304
6344		SEEGER	AISI 304
1140	KIT B <i>upper support</i>	UPPER SUPPORT	PPO + PA
2460		SPACER SLEEVE	PPO
3412		SUPPORT SLEEVE	AISI 316L + CERAMIC
2460	KIT C <i>intermediate support</i>	WASHER AND SPACERS	PPO
3044		SUPPORT WITH BUSH AND DISC	PPO + PA
3420		SUPPORT SLEEVE WITH SPACERS	AISI 316L
1410	KIT D <i>stage</i>	COMPLETE DIFFUSER	PPO + AISI 304
2250		IMPELLER	PPO
2250	KIT E <i>first stage</i>	FIRST IMPELLER	PPO
3044		SUPPORT WITH BUSH AND DISC	PPO + PA
3420		SUPPORT SLEEVE WITH SPACERS	AISI 316L
6531		GRID	AISI 304
2110	KIT F <i>shaft with coupling</i>	SHAFT WITH COUPLING	AISI 431B + AISI 316
2910		SCREW WITH WASHER	AISI 304
2920	KIT G <i>cover cable</i>	2× SCREW AND CLIP	AISI 304
8361		CABLE COVER	AISI 304
1130	-	BOTTOM CASING	AISI 304
1414		SPACER PIPE	AISI 304
6310		TOP CASING	AISI 304
8210		EXTERNAL PIPE	AISI 304

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

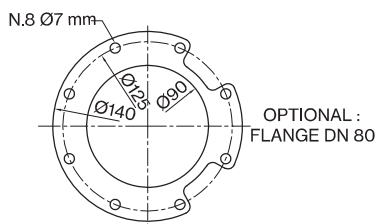
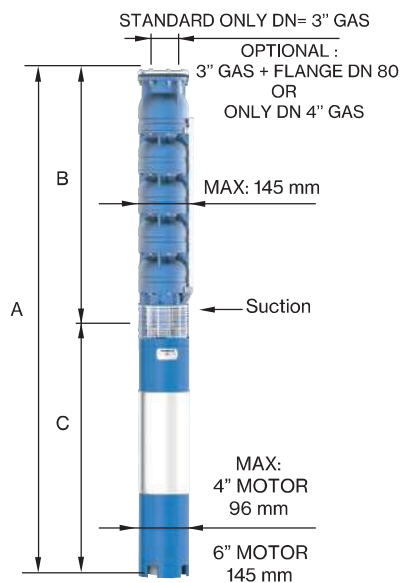


6LMG 38

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3- 400V		I/min	H (m)	0	300	400	500	600	700	800
	P2		CURRENT		0	5,00	6,67	8,33	10,00	11,67	13,33
	HP	kW	A		0	18	24	30	36	42	48
6LMG 38/03	5,5	4	9,9		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

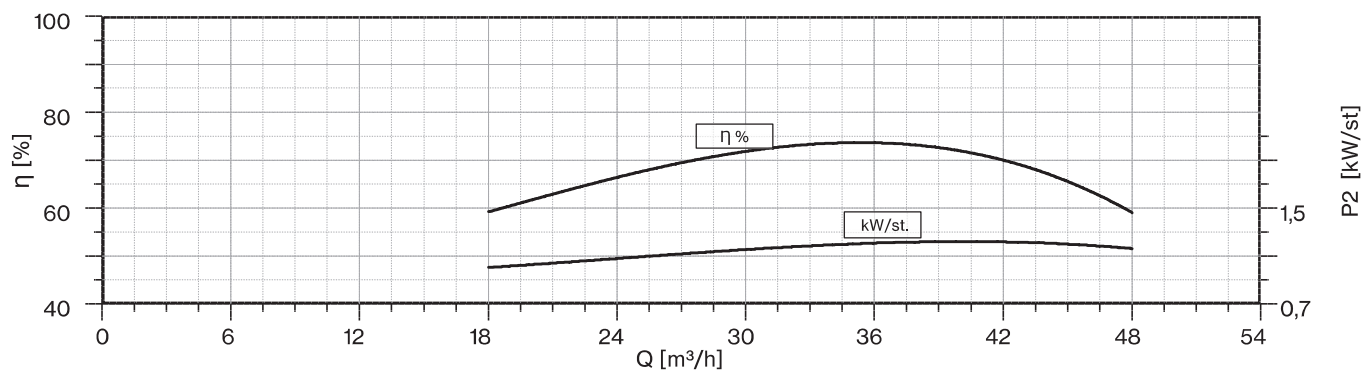
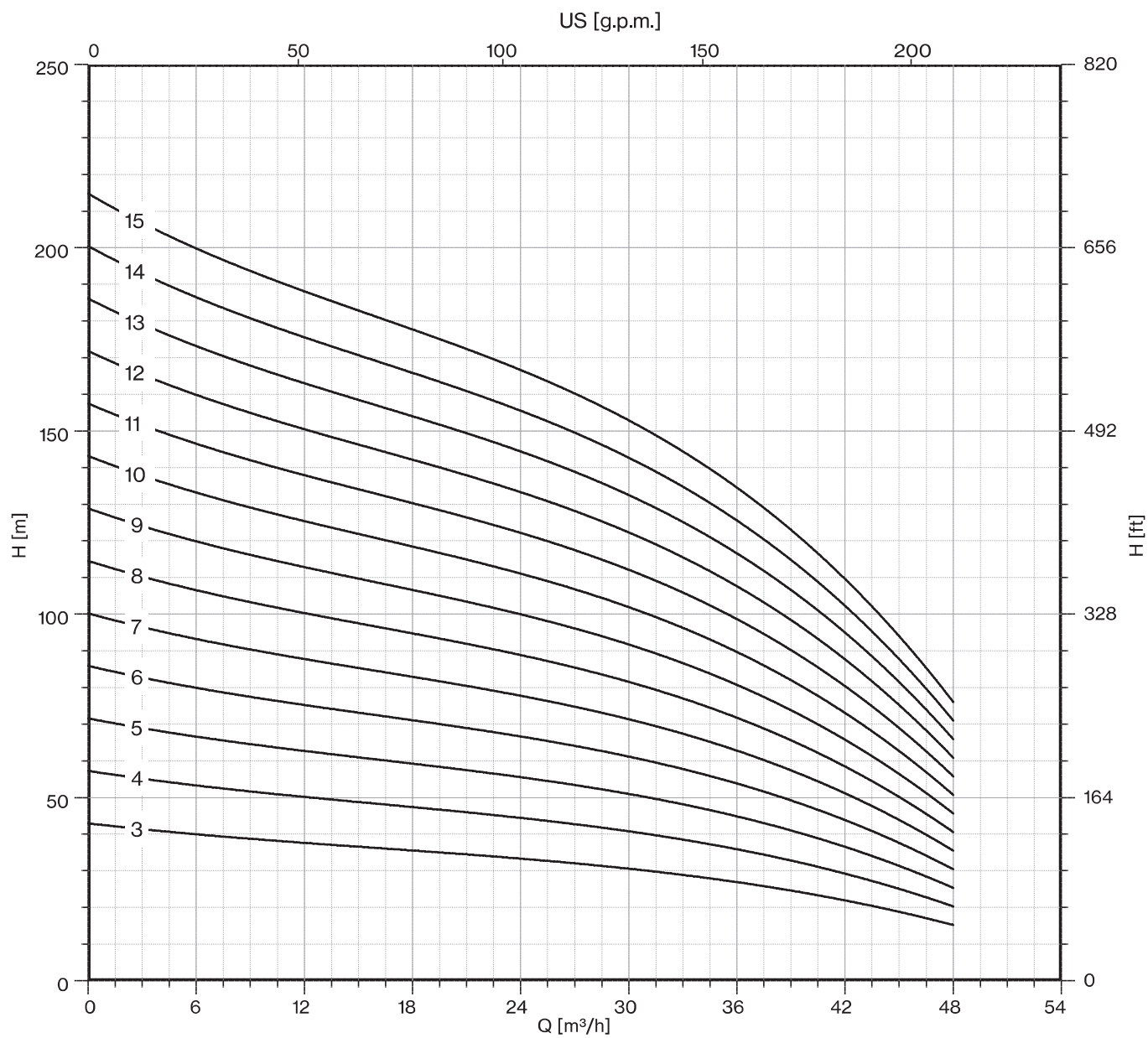
Max Eff. %	74
Max kW / St.	1,22

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		1499	798	701	55	28
6LMG 38/06		1600	899	701	55	32
6LMG 38/07	6" NEMA	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

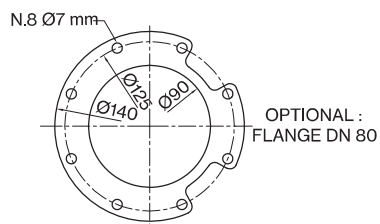
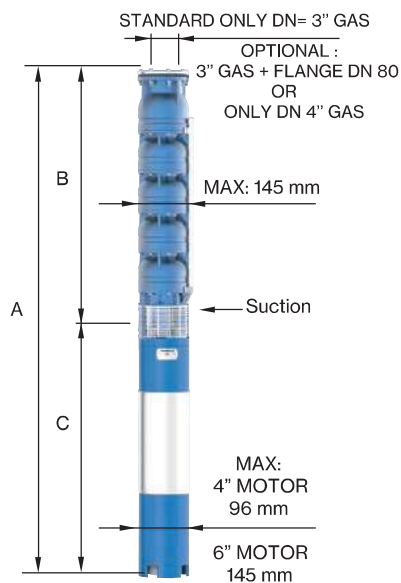


6LMG 38

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3- 400V		I/min	H (m)	0	300	400	500	600	700	800
	P2		CURRENT		0	5,00	6,67	8,33	10,00	11,67	13,33
	HP	kW	A		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		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

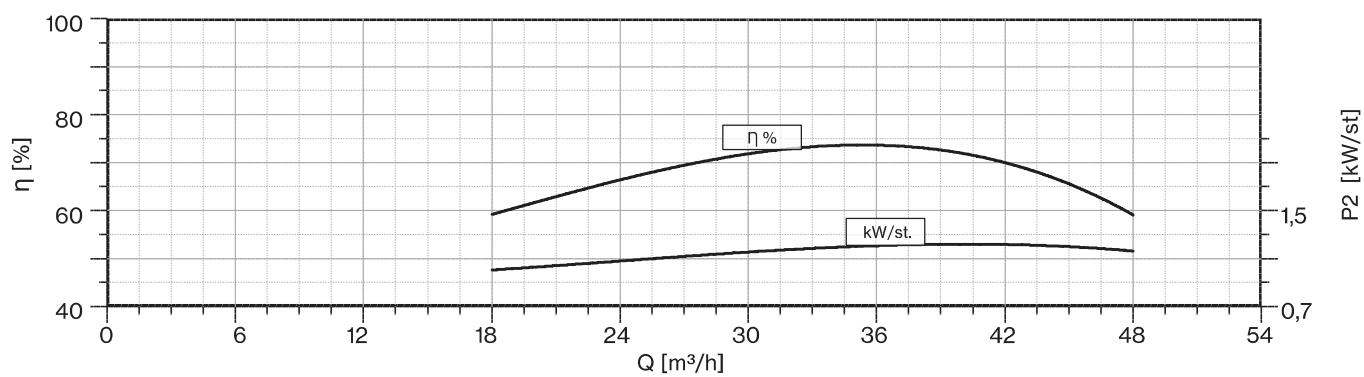
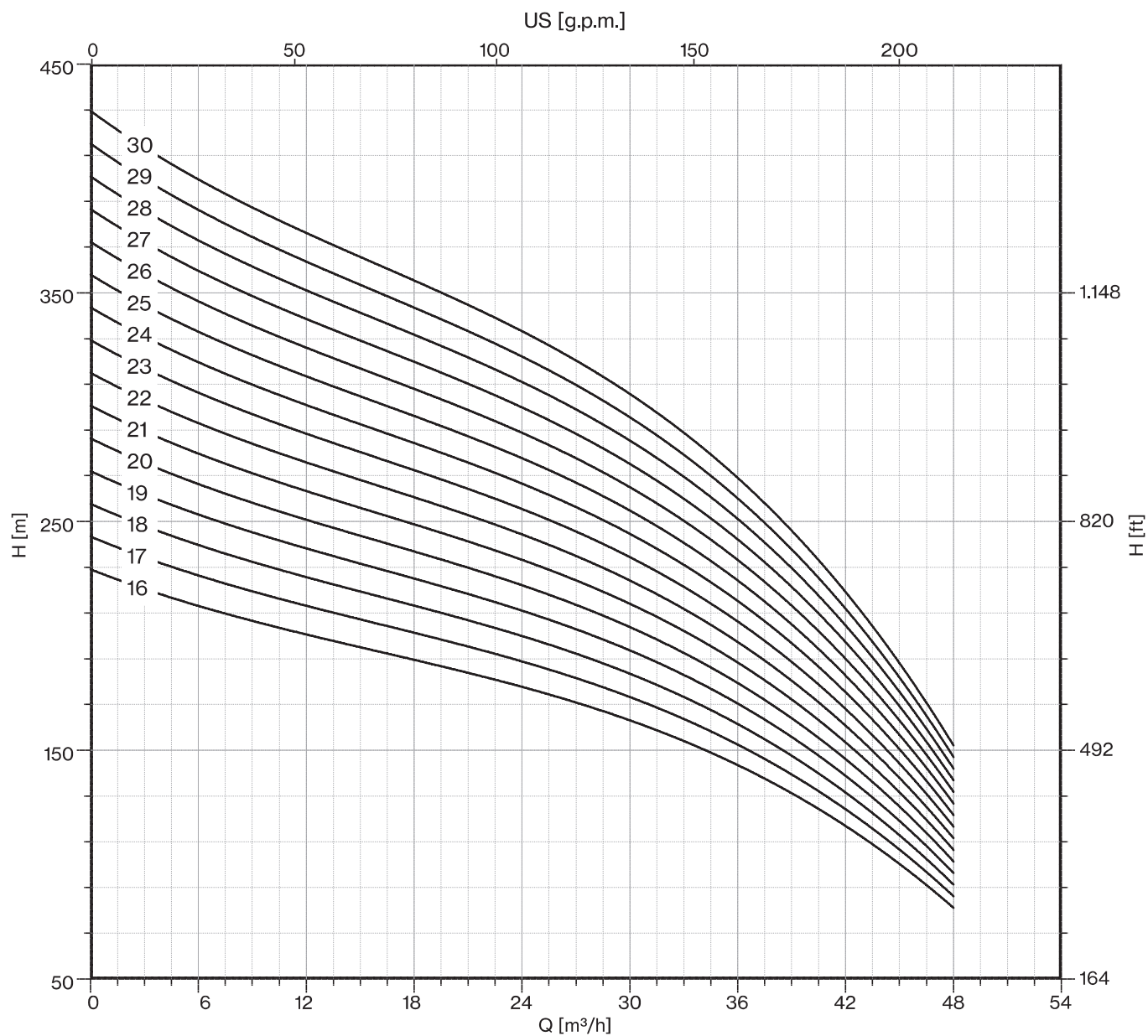
Max Eff. %	74
Max kW / St.	1,22

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

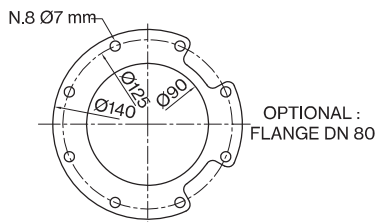
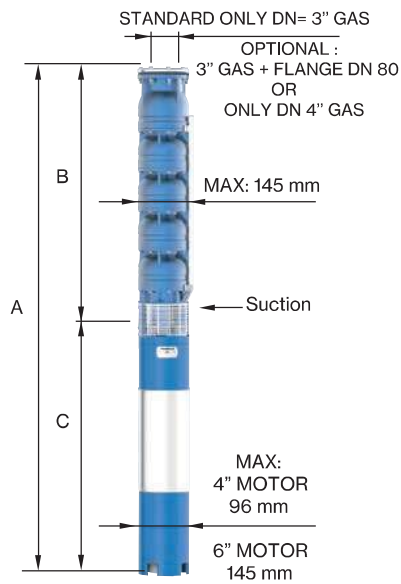


6LMG 48

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	400	500	600	700	800	900	1000
	P2		CURRENT	I/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	H (m)	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		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

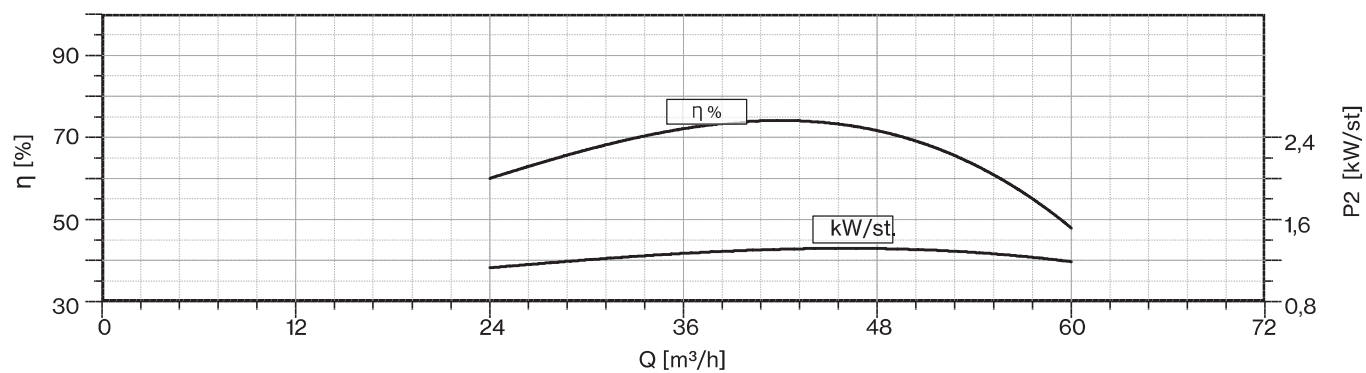
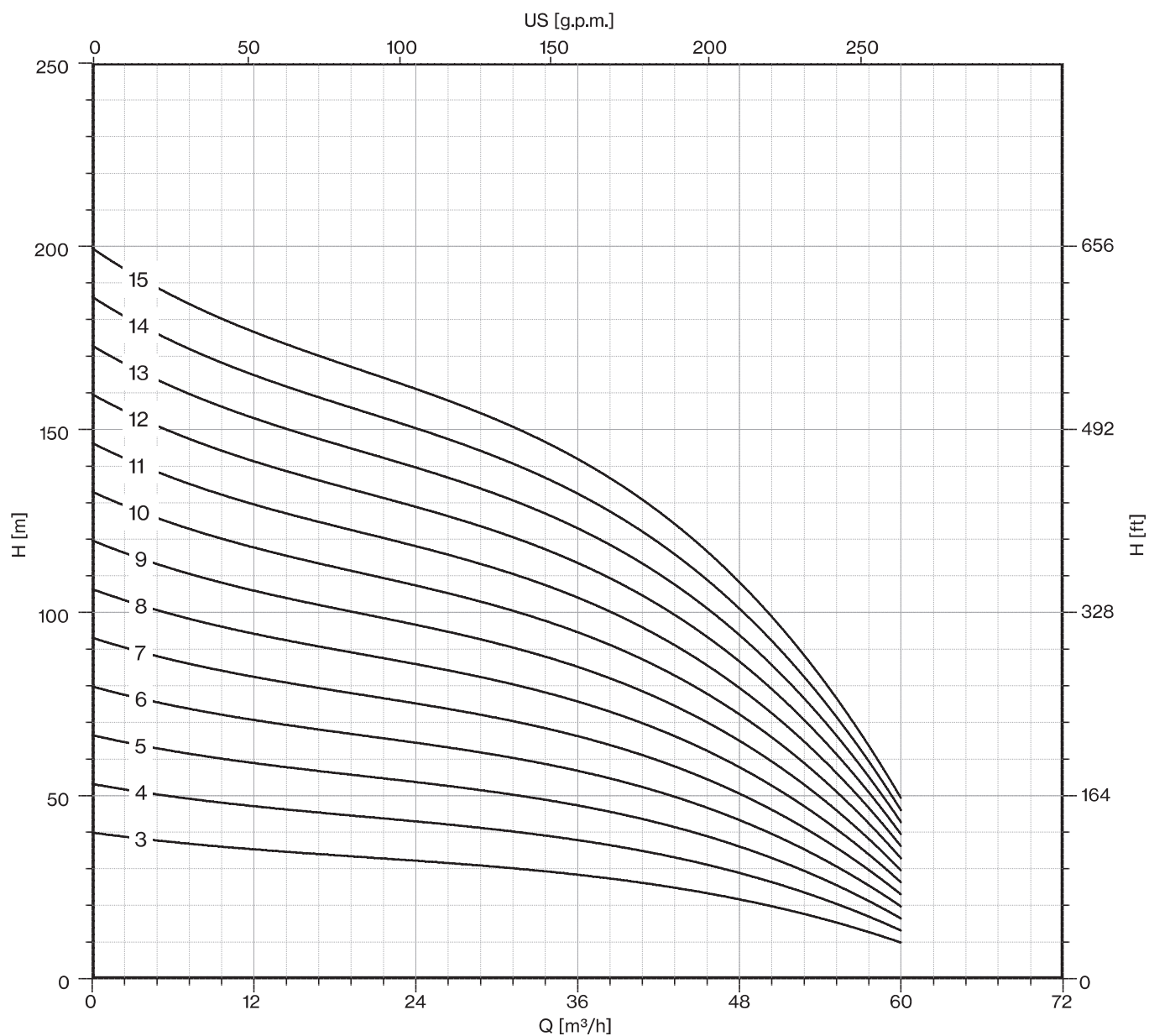
Max Eff. %	74
Max kW / St.	1,32

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		1499	798	701	55	28
6LMG 48/06		1650	899	751	60	32
6LMG 48/07	6" NEMA	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

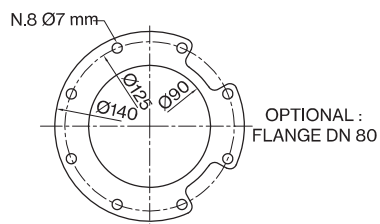
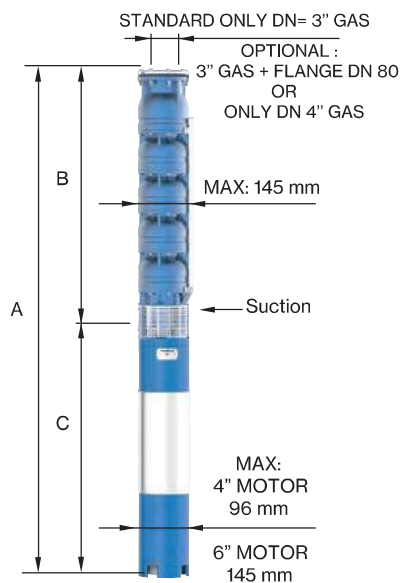


6LMG 48

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	400	500	600	700	800	900	1000
	P2		CURRENT	I/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	H (m)	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		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

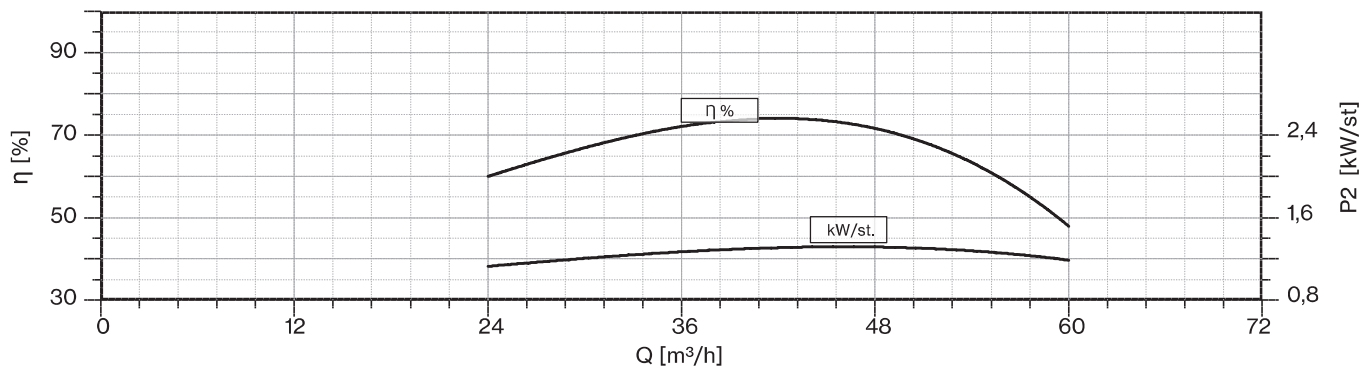
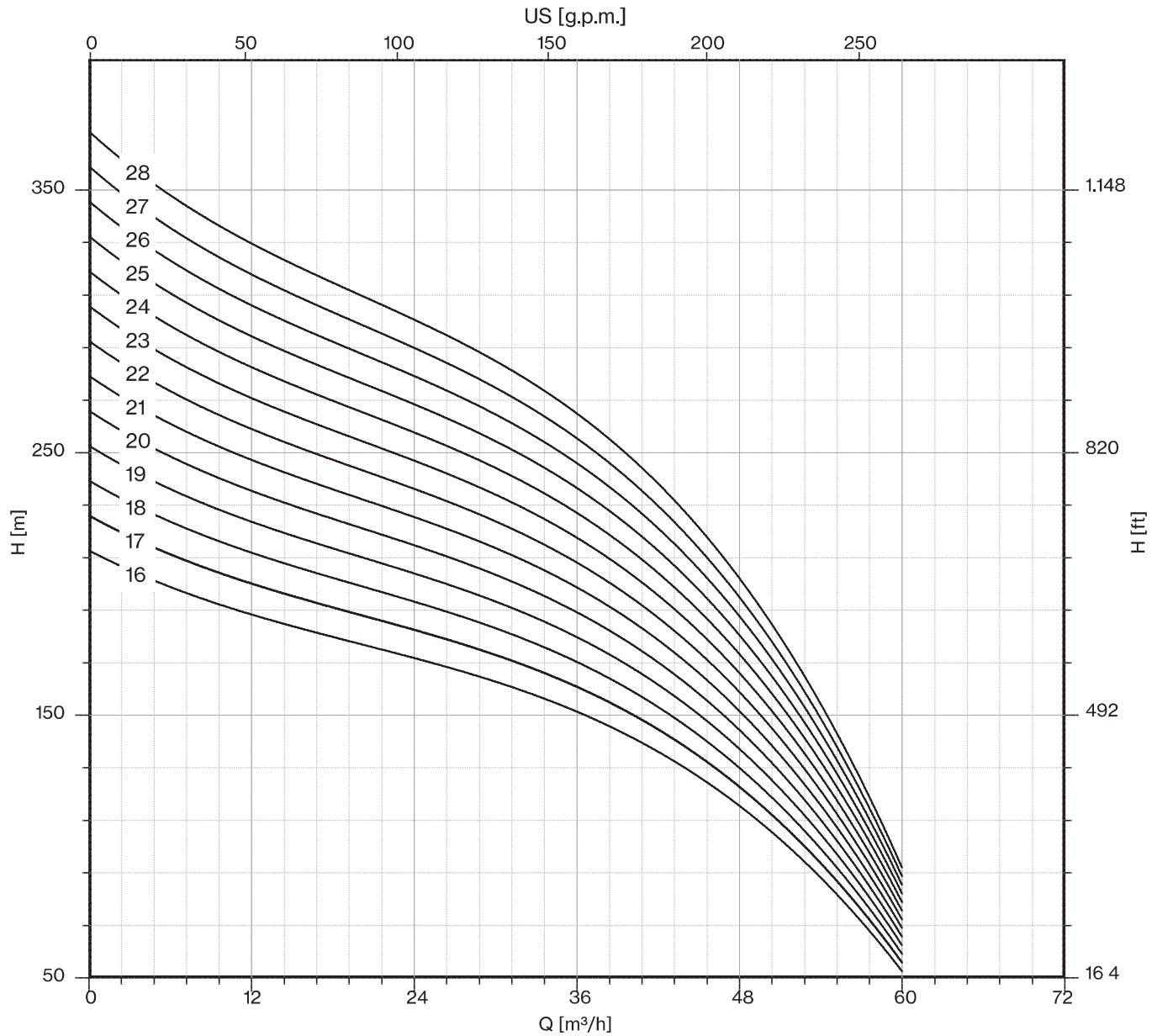
Max Eff. %	74
Max kW / St.	1,32

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

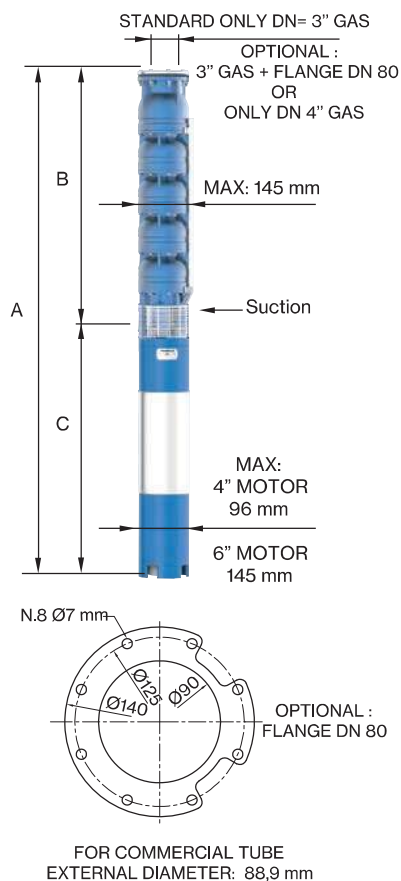


6LMG 60

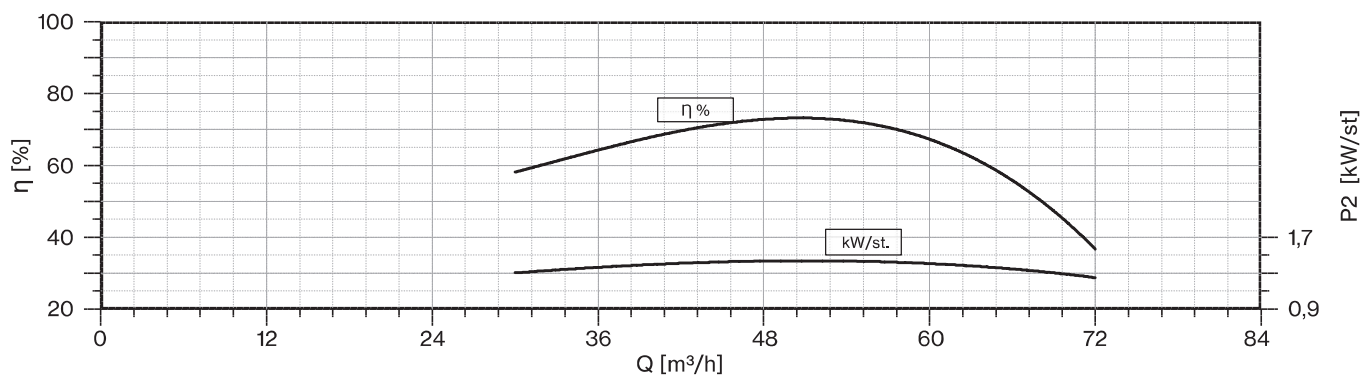
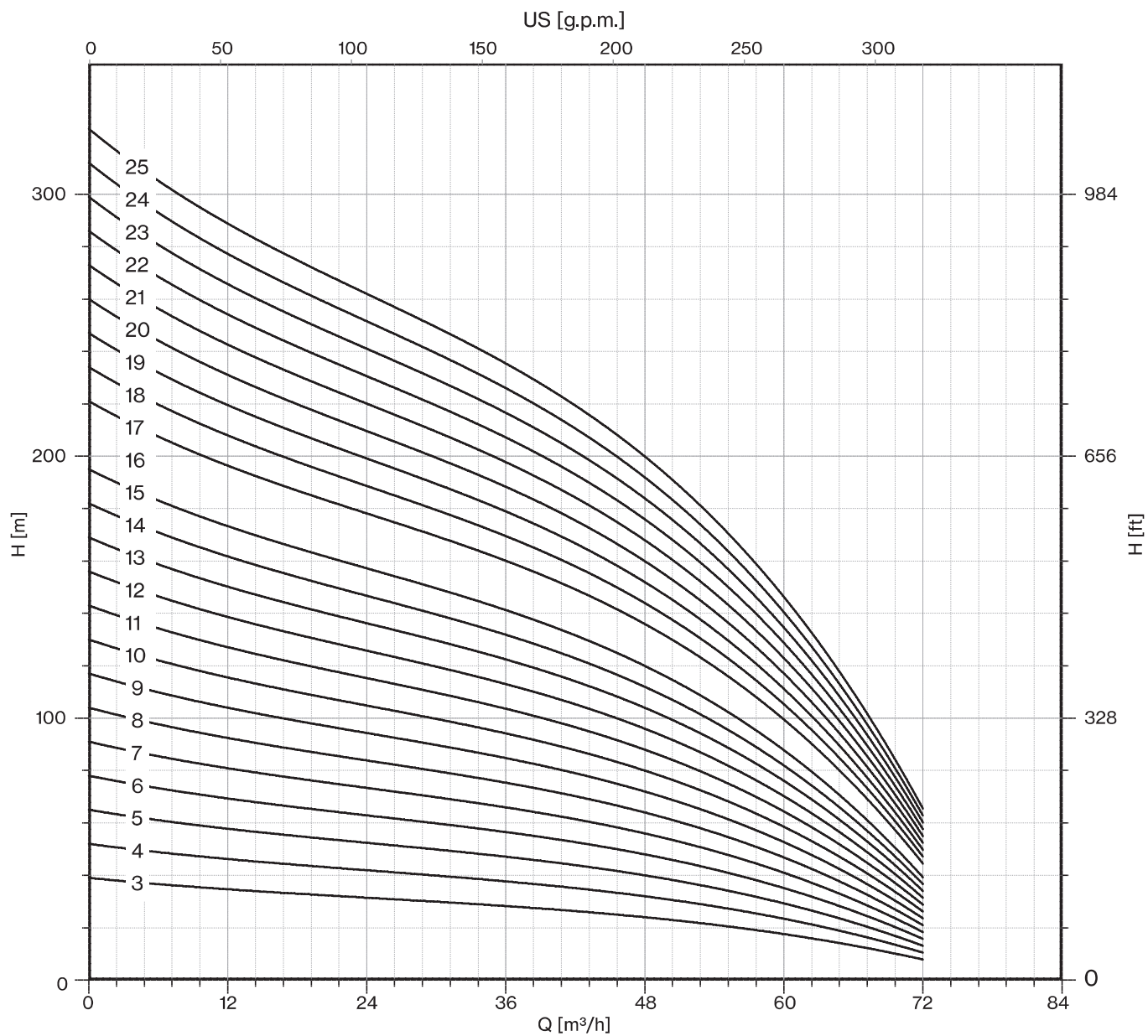
50 Hz - 2900 rpm				Q						
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	500	600	800	1000	1200	
	P2		CURRENT	I/sec	0	8,33	10,00	13,33	16,67	20,00
	HP	kW	A	m³/h	0	30	36	48	60	72
6LMG 60/03	7,5	5,5	13,8	H (m)	39	30	28	24	18	8
6LMG 60/04	10	7,5	17,5		52	40	38	32	24	10
6LMG 60/05	10	7,5	17,5		65	50	47	40	30	13
6LMG 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		182	140	132	111	83	36
6LMG 60/15	30	22	47,5		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



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		1422	721	701	55	25
6LMG 60/05		1529	828	701	55	30
6LMG 60/06		1686	935	751	60	34
6LMG 60/07	6" NEMA	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

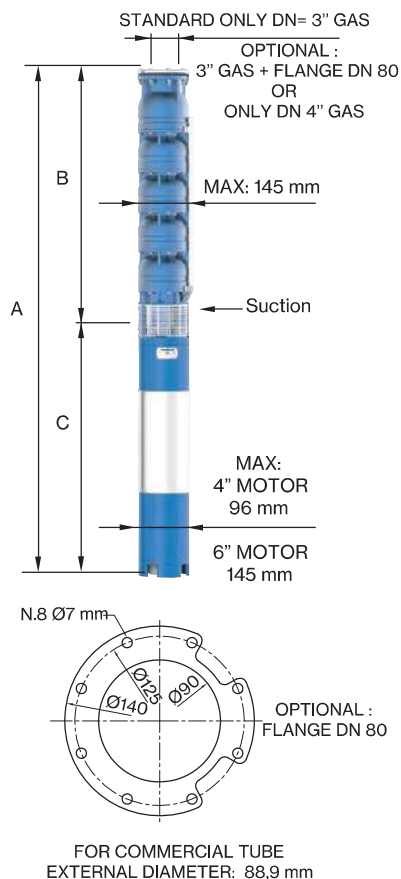


6LMG 70

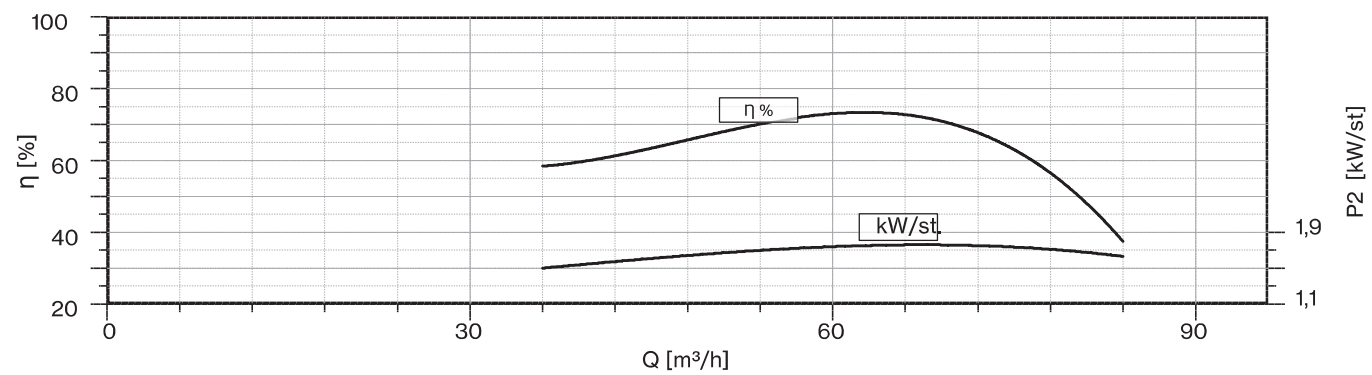
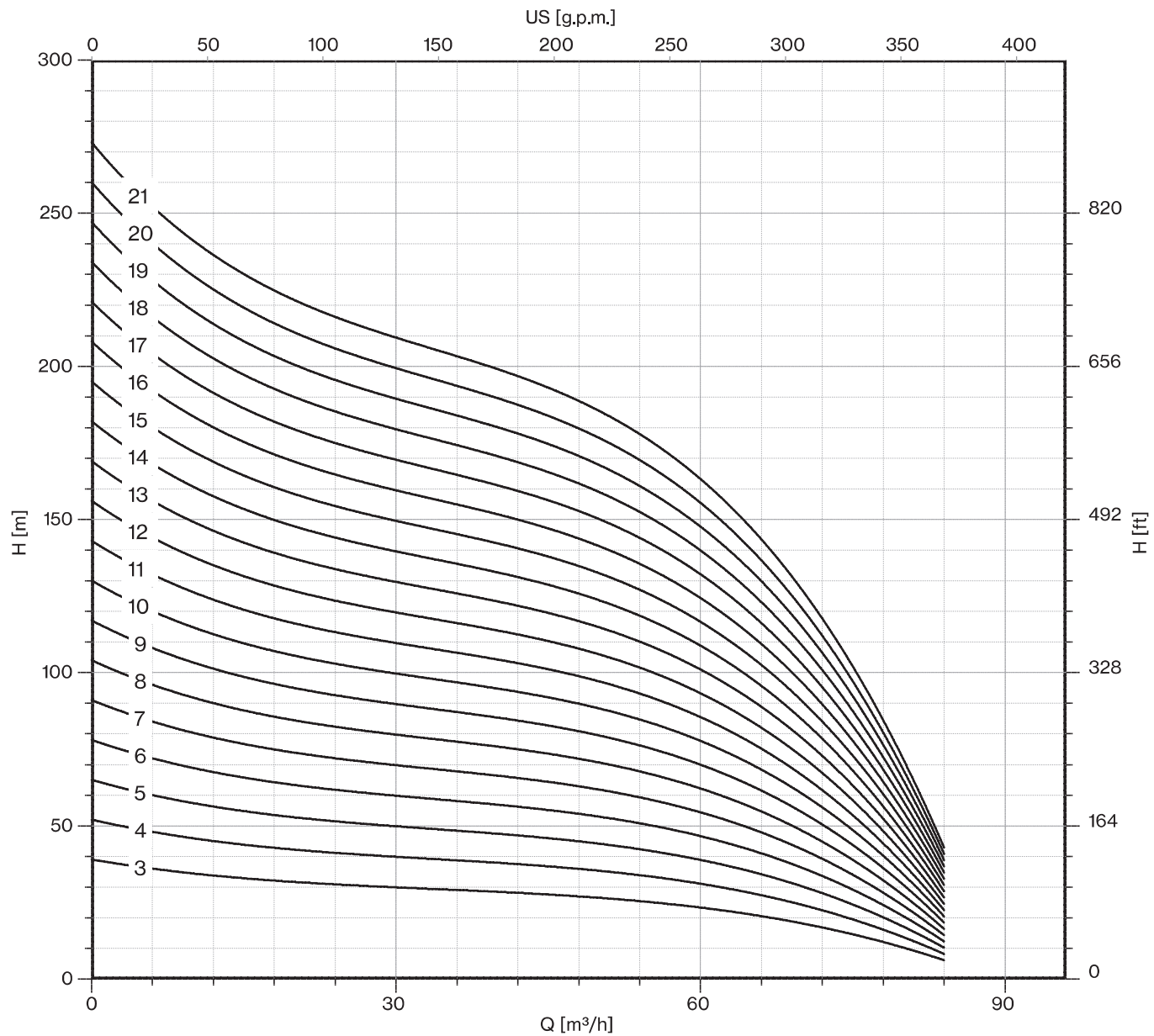
50 Hz - 2900 rpm				Q						
TYPE	SUITABLE MOTOR 3- 400V			I/min	0	600	800	1000	1200	1400
	P2		CURRENT	I/sec	0	10,00	13,33	16,67	20,00	23,33
	HP	kW	A	m³/h	0	36	48	60	72	84
6LMG 70/03	7,5	5,5	13,8	H (m)	39	29	26	23	17	6
6LMG 70/04	10	7,5	17,5		52	39	35	31	23	8
6LMG 70/05	12,5	9,2	21		65	49	44	39	29	10
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		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



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

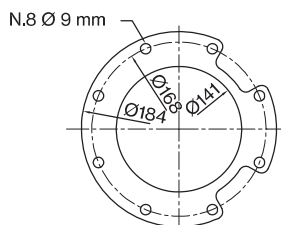
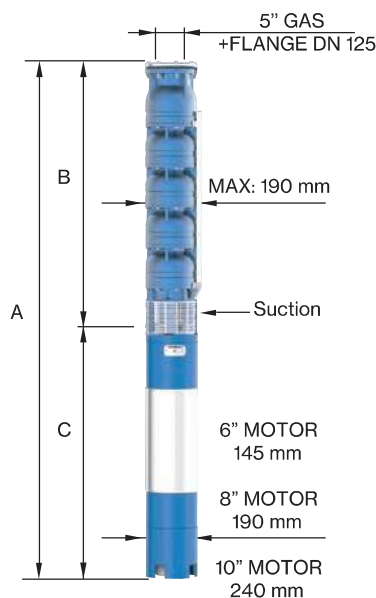


8LMG 80

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3- 400V		I/min	H (m)	0	600	800	1000	1200	1400	1600
	P2		CURRENT		0	10,00	13,33	16,67	20,00	23,33	26,67
	HP	kW	A		0	36	48	60	72	84	96
8LMG 80/01	7,5	5,5	12,5		26	22	21	19	18	15	11
8LMG 80/02	15	11	24,5		53	45	42	39	35	30	23
8LMG 80/03	20	15	32		79	67	63	58	53	44	34
8LMG 80/04	30	22	47,5		105	89	84	78	70	59	45
8LMG 80/05	35	26	55		131	111	105	97	88	74	56
8LMG 80/06	40	30	62,5		158	134	126	116	105	89	68
8LMG 80/07	50	37	78		184	156	147	136	123	103	79
8LMG 80/08	60	45	92		210	178	168	155	140	118	90
8LMG 80/09	60	45	92		236	200	189	174	158	133	101
8LMG 80/10	75	55	113,5		263	223	210	194	175	148	113
8LMG 80/11	75	55	113,5		289	245	231	213	193	162	124
8LMG 80/12	90	66	134,5		315	267	252	233	210	177	135
8LMG 80/13	90	66	134,5		341	289	273	252	228	192	146
8LMG 80/14	100	75	149,5		368	312	294	271	245	207	158
8LMG 80/15	100	75	149,5		394	334	315	291	263	221	169

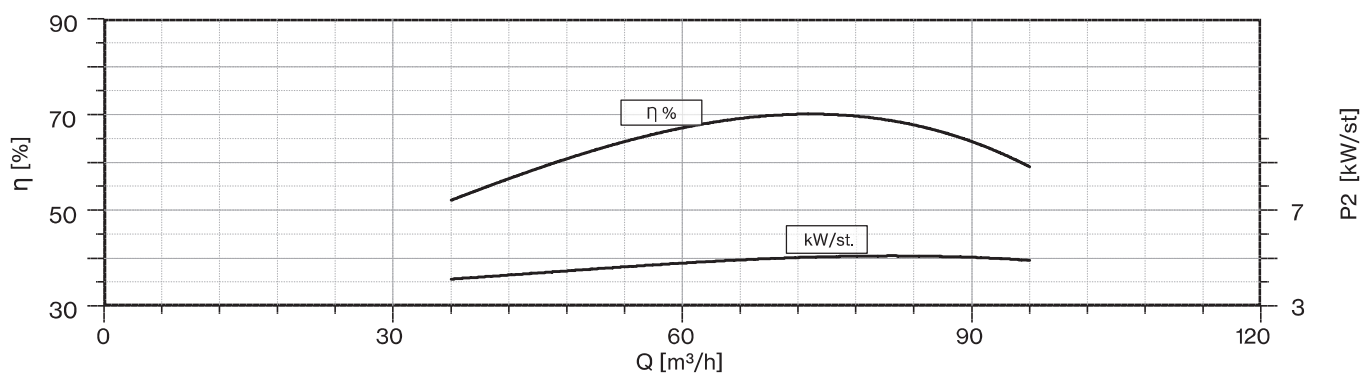
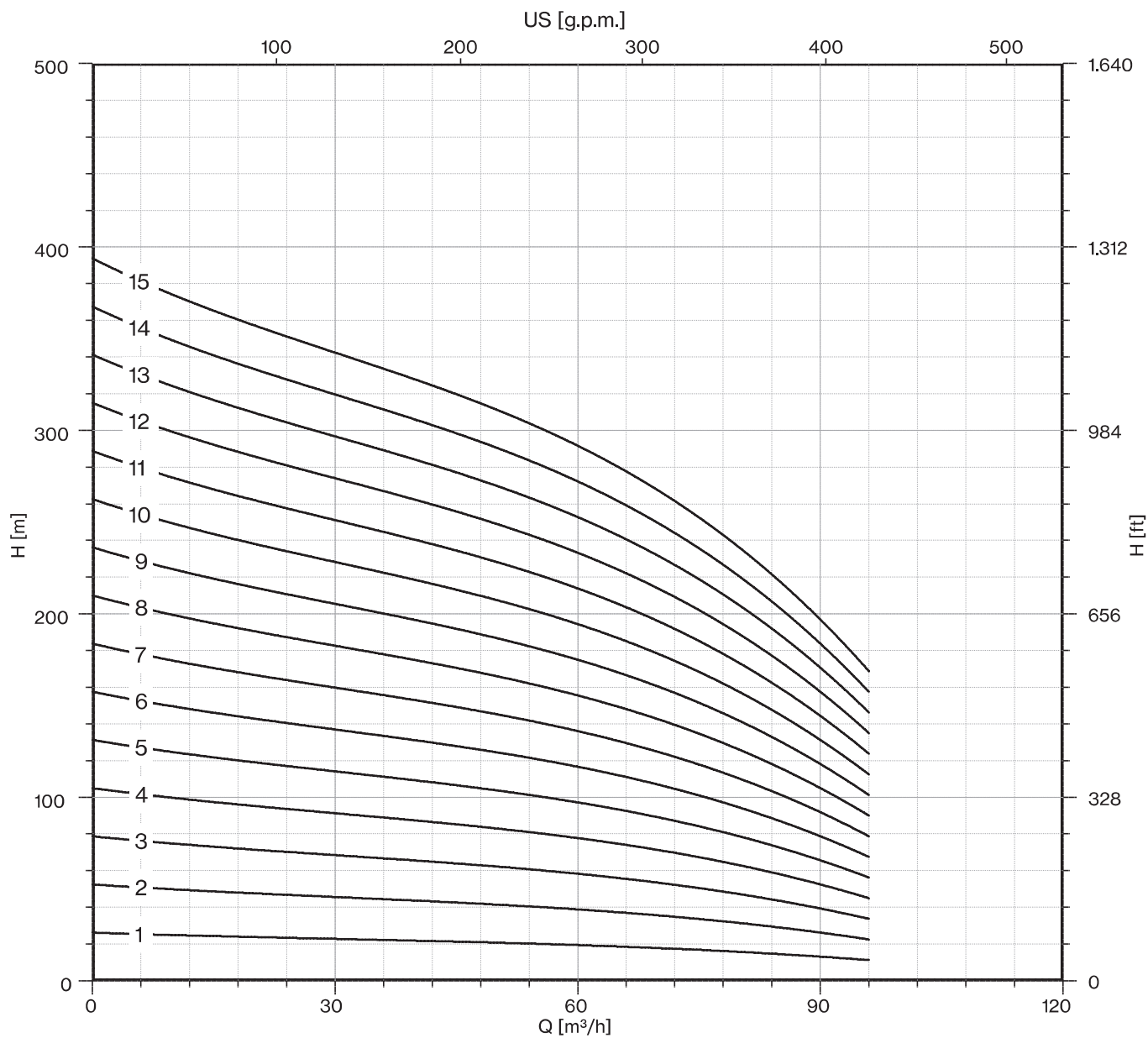
Max Eff. %	70
Max kW / St.	5,1

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	3,5	4,5



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LMG 80/01-6	6" NEMA	1198	527	671	45	23
8LMG 80/02-6		1463	652	811	65	31
8LMG 80/03-6		1708	777	931	75	39
8LMG 80/04-6		1973	902	1071	92	48
8LMG 80/05-6		2208	1027	1181	100	56
8LMG 80/06-6		2403	1152	1251	108	64
8LMG 80/07-6	8" NEMA	2618	1277	1341	118	73
8LMG 80/08		2525	1402	1123	178	81
8LMG 80/09		2650	1527	1123	178	89
8LMG 80/10		2885	1652	1233	200	98
8LMG 80/11		3010	1777	1233	200	106
8LMG 80/12		3205	1902	1303	214	114
8LMG 80/13		3330	2027	1303	214	122
8LMG 80/14		3535	2152	1383	230	131
8LMG 80/15		3660	2277	1383	230	139

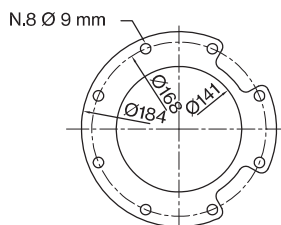
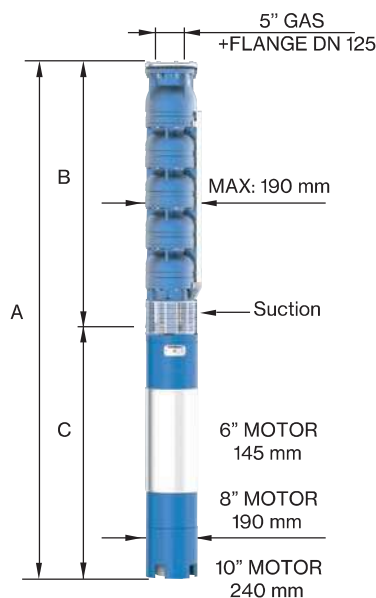


8LMG 92

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	800	1000	1200	1400	1600	1800	2000
	P2		CURRENT	I/sec	0	13,33	16,67	20,00	23,33	26,67	30,00	33,33
	HP	kW	A	m³/h	0	48	60	72	84	96	108	120
8LMG 92/01	10	7,5	17,5	H (m)	26	22	21	20	18	15	13	10
8LMG 92/02	17,5	13	28		53	44	42	39	35	31	25	20
8LMG 92/03	25	18,5	40		79	66	63	59	53	46	38	29
8LMG 92/04	35	26	55		105	89	84	78	70	61	50	39
8LMG 92/05	40	30	62,5		131	111	104	98	88	76	63	49
8LMG 92/06	50	37	78		158	133	125	117	105	92	75	59
8LMG 92/07	60	45	92		184	155	146	137	123	107	88	68
8LMG 92/08	75	55	113,5		210	177	167	156	140	122	100	78
8LMG 92/09	75	55	113,5		236	199	188	176	158	137	113	88
8LMG 92/10	90	66	134,5		263	221	209	195	175	153	125	98
8LMG 92/11	90	66	134,5		289	243	230	215	193	168	138	107
8LMG 92/12	100	75	149,5		315	266	251	234	210	183	150	117
8LMG 92/13	100	75	149,5		341	288	271	254	228	198	163	127
8LMG 92/14	125	92	185		368	310	292	273	245	214	175	137
8LMG 92/15	125	92	185		394	332	313	293	263	229	188	146

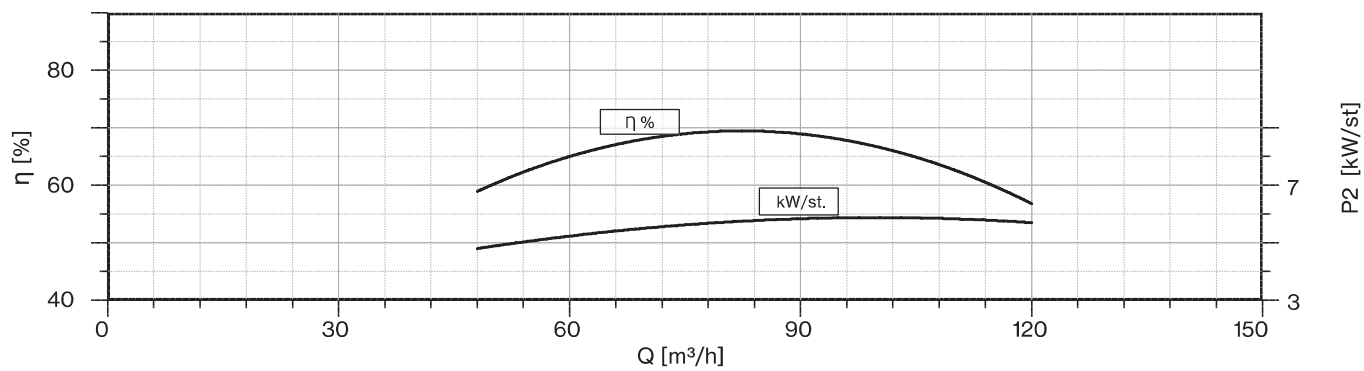
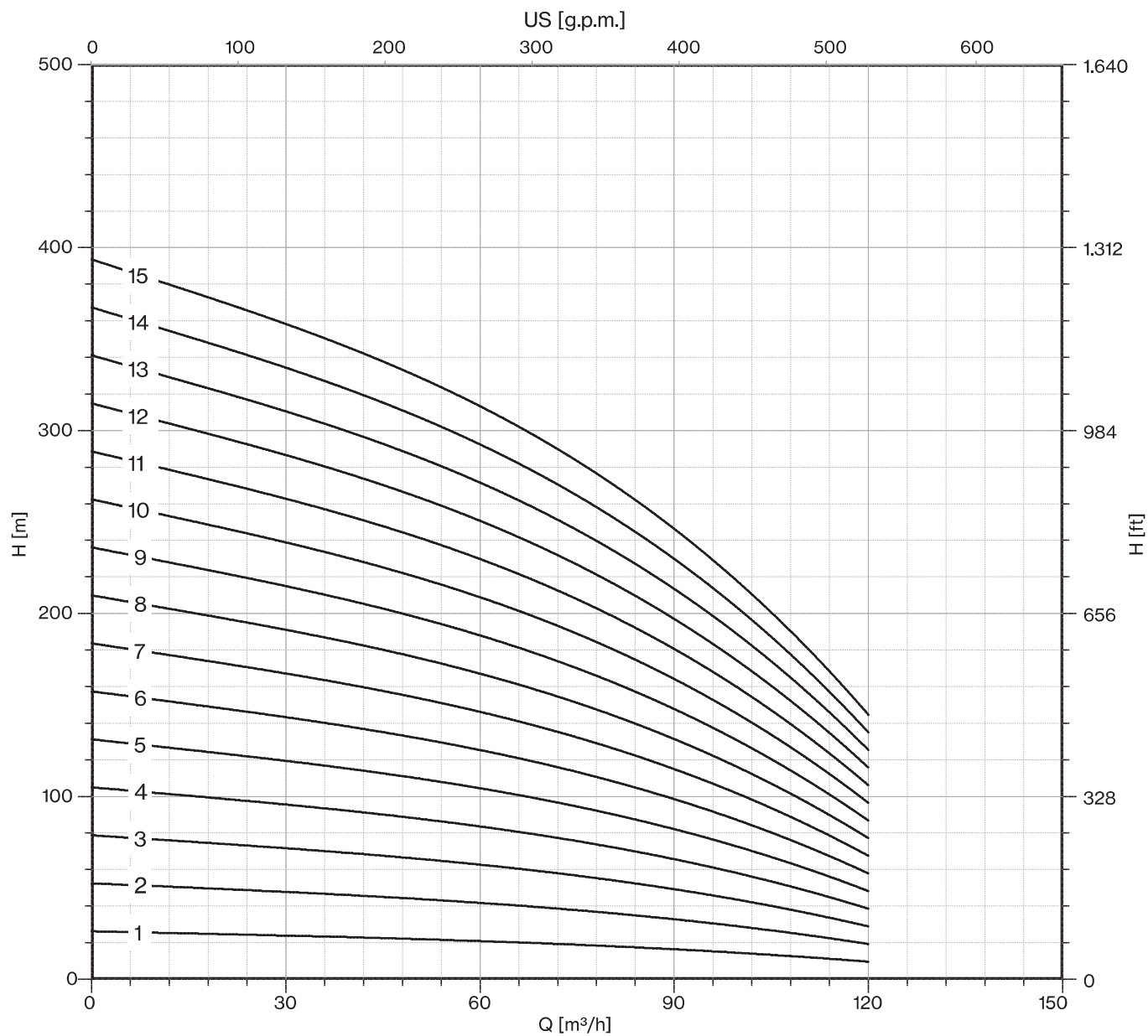
Max Eff. %	70
Max kW / St.	5,9

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	4	5	8



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LMG 92/01-6	6" NEMA	1228	527	701	55	23
8LMG 92/02-6		1493	652	841	70	31
8LMG 92/03-6		1768	777	991	83	39
8LMG 92/04-6		2083	902	1181	100	48
8LMG 92/05-6		2278	1027	1251	108	56
8LMG 92/06-6		2493	1152	1341	118	64
8LMG 92/07	8" NEMA	2400	1277	1123	178	73
8LMG 92/08		2635	1402	1233	200	81
8LMG 92/09		2760	1527	1233	200	89
8LMG 92/10		2955	1652	1303	214	98
8LMG 92/11		3080	1777	1303	214	106
8LMG 92/12		3285	1902	1383	230	114
8LMG 92/13		3410	2027	1383	230	122
8LMG 92/14		3735	2152	1583	270	131
8LMG 92/15		3860	2277	1583	270	139

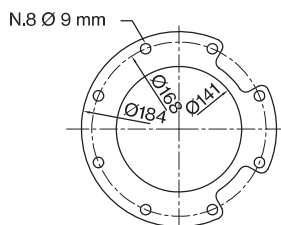
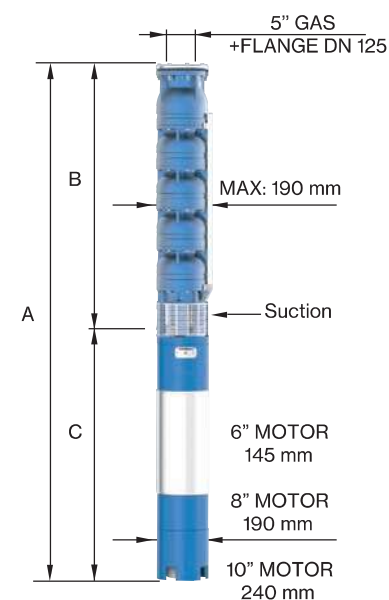


8LMG 110

50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	1000	1200	1400	1600	1800	2000	2200	2400
	P2		CURRENT	I/sec	0	16,67	20,00	23,33	26,67	30,00	33,33	36,67	40,00
	HP	kW	A	m³/h	0	60	72	84	96	108	120	132	144
8LMG 110/01	10	7,5	17,5	H (m)	26	22	21	20	19	18	16	14	11
8LMG 110/02	20	15	32		53	44	42	40	38	35	32	28	22
8LMG 110/03	30	22	47,5		79	66	63	60	57	53	48	42	33
8LMG 110/04	40	30	62,5		105	87	84	80	76	71	65	55	45
8LMG 110/05	50	37	78		131	109	105	100	95	89	81	69	56
8LMG 110/06	60	45	92		158	131	126	120	114	106	97	83	67
8LMG 110/07	75	55	113,5		184	153	147	140	133	124	113	97	78
8LMG 110/08	90	66	134,5		210	175	168	160	152	142	129	111	89
8LMG 110/09	90	66	134,5		237	197	189	180	171	159	145	125	100
8LMG 110/10	100	75	149,5		263	219	210	200	190	177	161	139	111
8LMG 110/11	125	92	185		289	240	231	220	209	195	178	152	123
8LMG 110/12	125	92	185		315	262	252	240	228	213	194	166	134
8LMG 110/13	125	92	185		342	284	273	260	247	230	210	180	145

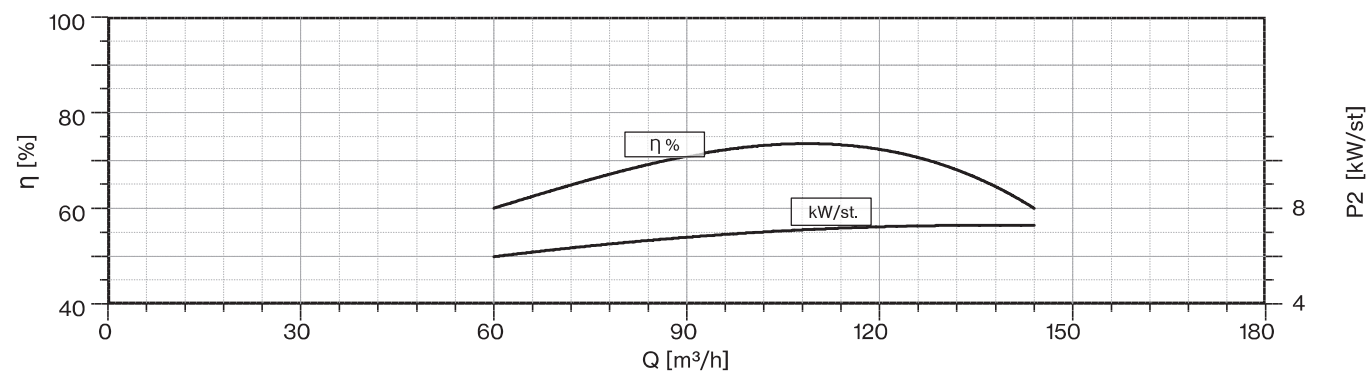
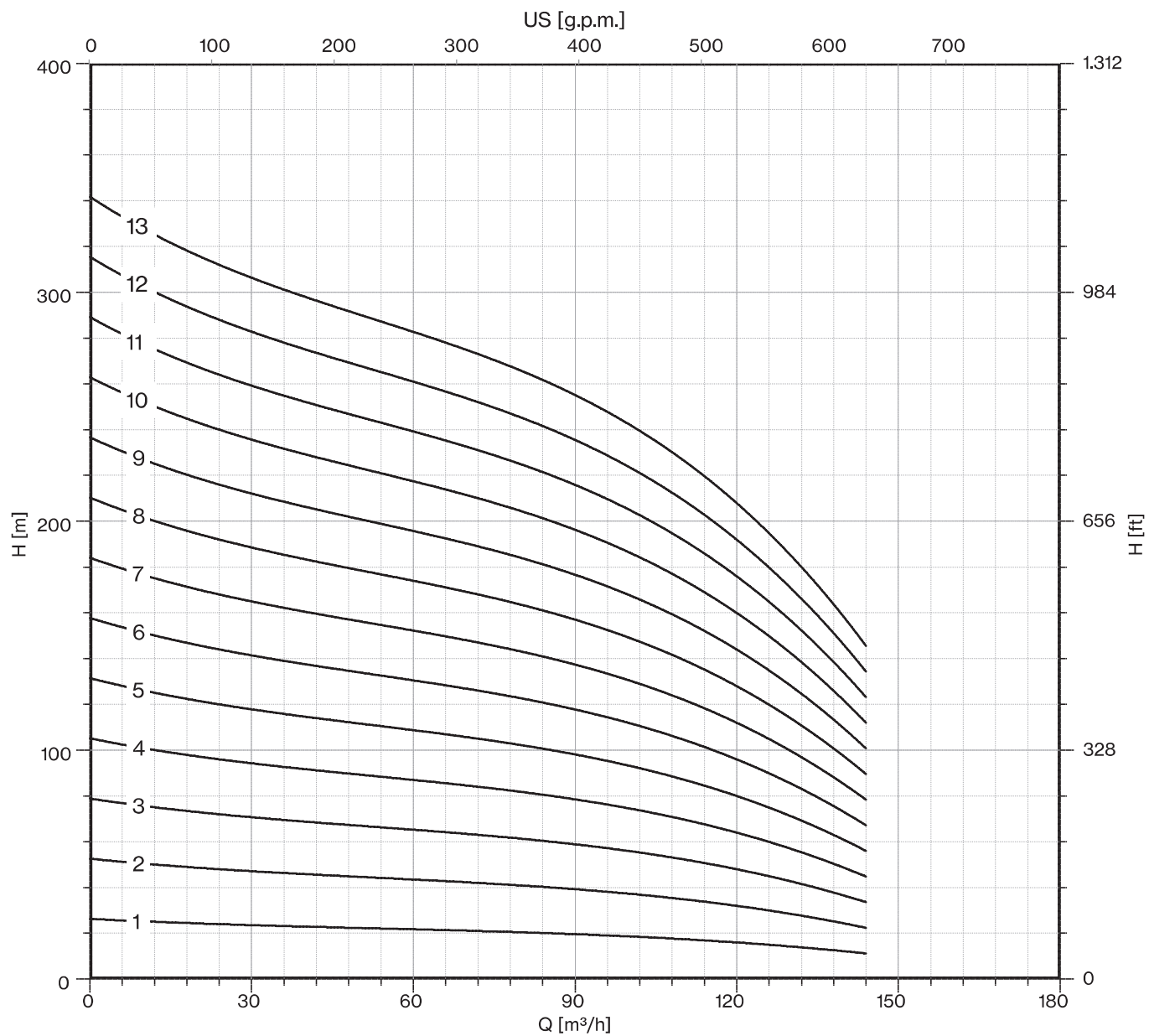
Max Eff. %	74
Max kW / St.	7,3

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	3,5	4,5	8



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LMG 110/01-6	6" NEMA	1228	527	701	55	23
8LMG 110/02-6		1583	652	931	75	32
8LMG 110/03-6		1848	777	1071	92	40
8LMG 110/04-6		2153	902	1251	108	49
8LMG 110/05-6		2368	1027	1341	118	58
8LMG 110/06	8" NEMA	2275	1152	1123	178	66
8LMG 110/07		2510	1277	1233	200	75
8LMG 110/08		2705	1402	1303	214	83
8LMG 110/09		2830	1527	1303	214	92
8LMG 110/10		3035	1652	1383	230	101
8LMG 110/11		3360	1777	1583	270	109
8LMG 110/12		3485	1902	1583	270	118
8LMG 110/13		3610	2027	1583	270	126

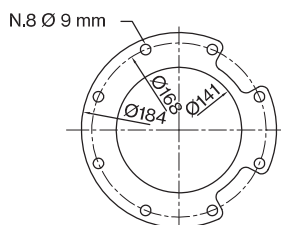
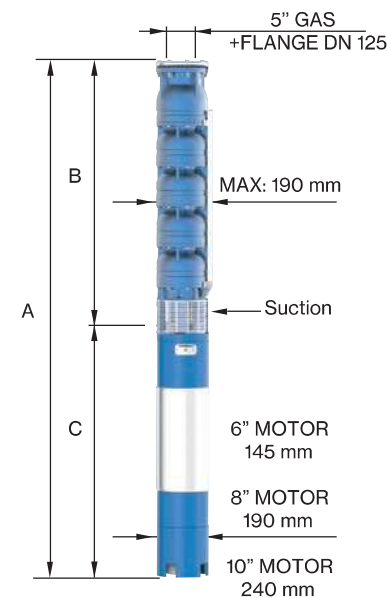


8LMG 130

50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	1200	1400	1600	1800	2000	2200	2400	2600	2800
	P2		CURRENT	I/sec	0	20,00	23,33	26,67	30,00	33,33	36,67	40,00	43,33	46,67
	HP	kW	A	m³/h	0	72	84	96	108	120	132	144	156	168
8LMG 130/01	10	7,5	17,5	H (m)	26	21	20	19	18	17	15	13	11	8
8LMG 130/02	20	15	32		53	42	41	38	36	34	31	27	21	15
8LMG 130/03	35	26	55		79	63	61	57	54	51	46	40	32	23
8LMG 130/04	40	30	62,5		106	85	81	77	73	67	62	54	43	30
8LMG 130/05	60	45	92		132	106	101	96	91	84	77	67	54	38
8LMG 130/06	75	55	113,5		159	127	122	115	109	101	93	81	64	45
8LMG 130/07	75	55	113,5		185	148	142	134	127	118	108	94	75	53
8LMG 130/08	90	66	134,5		211	169	162	153	145	135	123	107	86	61
8LMG 130/09	100	75	149,5		238	190	183	172	163	152	139	121	96	68
8LMG 130/10	100	75	149,5		264	211	203	191	181	169	154	134	107	76
8LMG 130/11	125	92	185		291	233	223	211	200	185	170	148	118	83
8LMG 130/12	125	92	185		317	254	243	230	218	202	185	161	129	91
8LMG 130/13	150	110	219		344	275	264	249	236	219	201	175	139	98
8LMG 130/14	150	110	220		370	296	284	268	254	236	216	188	150	106

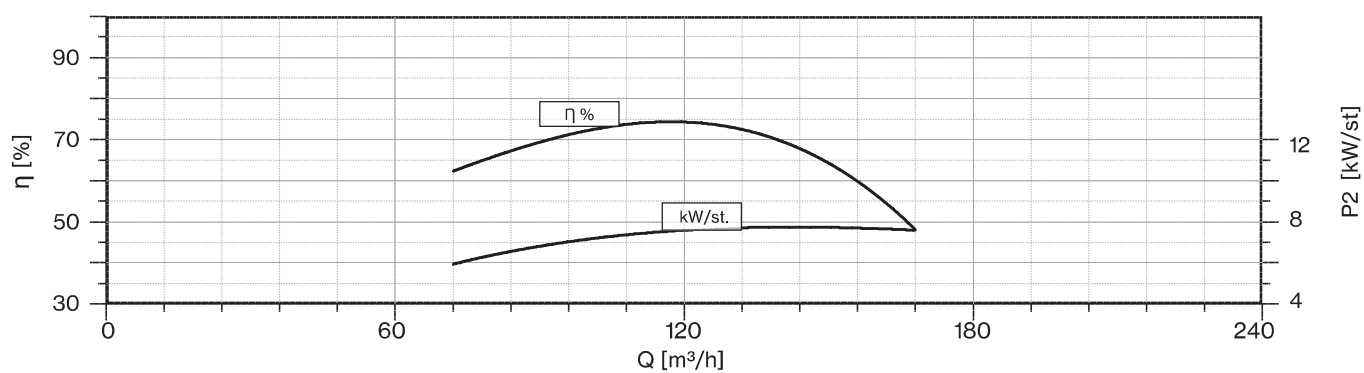
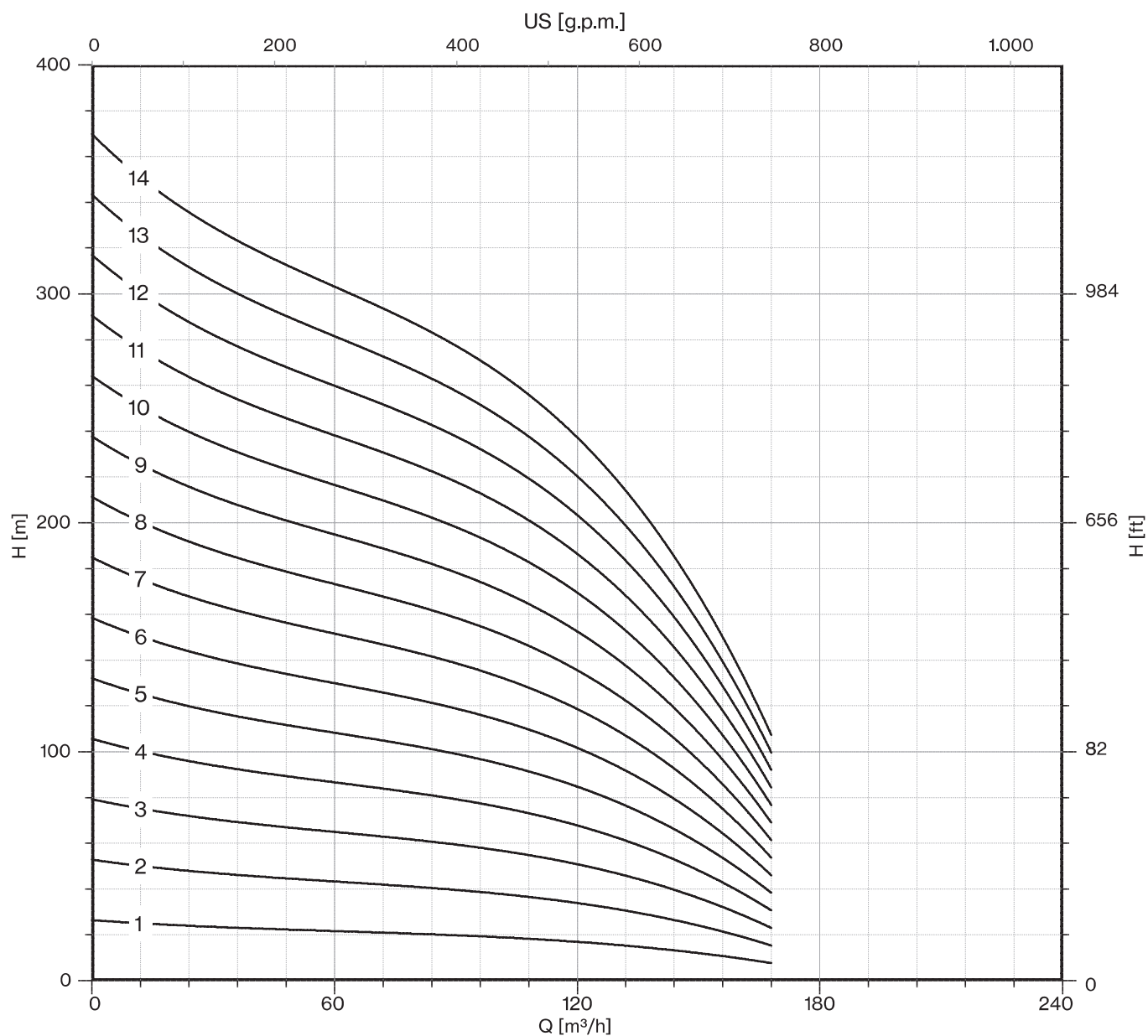
Max Eff. %	75
Max kW / St.	7,7

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	3	5	9



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LMG 130/01-6	6" NEMA	1228	527	701	55	23
8LMG 130/02-6		1583	652	931	75	32
8LMG 130/03-6		1958	777	1181	100	41
8LMG 130/04-6		2153	902	1251	108	49
8LMG 130/05	8" NEMA	2150	1027	1123	178	58
8LMG 130/06		2385	1152	1233	200	67
8LMG 130/07		2510	1277	1233	200	75
8LMG 130/08		2705	1402	1303	214	84
8LMG 130/09		2910	1527	1383	230	93
8LMG 130/10		3035	1652	1383	230	102
8LMG 130/11		3360	1777	1583	270	110
8LMG 130/12		3485	1902	1583	270	119
8LMG 130/13		3760	2027	1733	300	128
8LMG 130/14		3885	2152	1733	300	136

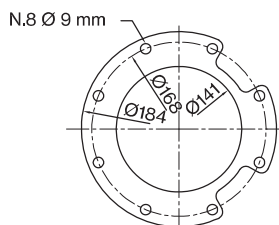
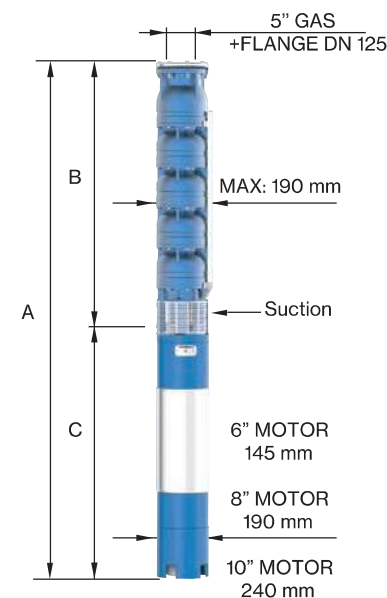


8LMG 160

50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	1600	1800	2000	2200	2400	2600	2800	3000	3200
	P2		CURRENT	I/sec	0	26,67	30,00	33,33	36,67	40,00	43,33	46,67	50,00	53,33
	HP	kW	A	m³/h	0	96	108	120	132	144	156	168	180	192
8LMG 160/01	12,5	9,2	21	H (m)	24	19	18	17	16	16	15	13	12	10
8LMG 160/02	25	18,5	40		49	38	36	35	33	31	30	27	24	20
8LMG 160/03	35	26	55		73	57	54	52	49	47	45	40	36	30
8LMG 160/04	50	37	78		97	76	72	69	66	63	59	54	48	40
8LMG 160/05	60	45	92		121	95	90	86	82	79	74	67	60	50
8LMG 160/06	75	55	113,5		146	114	108	104	99	94	89	81	72	60
8LMG 160/07	90	66	134,5		170	133	126	121	115	110	104	94	84	70
8LMG 160/08	100	75	149,5		194	152	144	138	131	126	119	107	96	80
8LMG 160/09	100	75	149,5		219	171	162	156	148	141	134	121	108	90
8LMG 160/10	125	92	185		243	190	180	173	164	157	149	134	120	100
8LMG 160/11	125	92	185		267	209	198	190	181	173	163	148	132	110
8LMG 160/12	150	110	219		291	228	216	207	197	189	178	161	144	120
8LMG 160/13	150	110	219		316	247	234	225	214	204	193	175	156	130

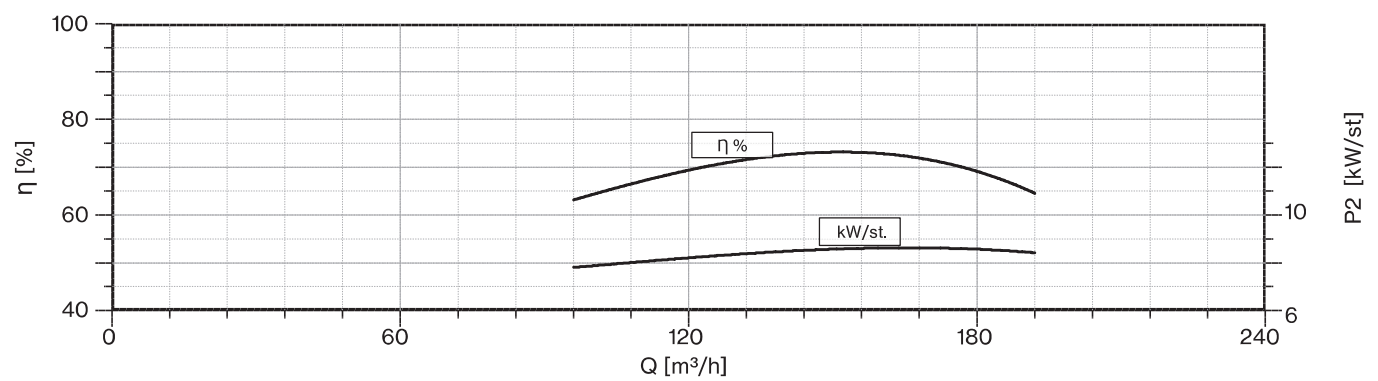
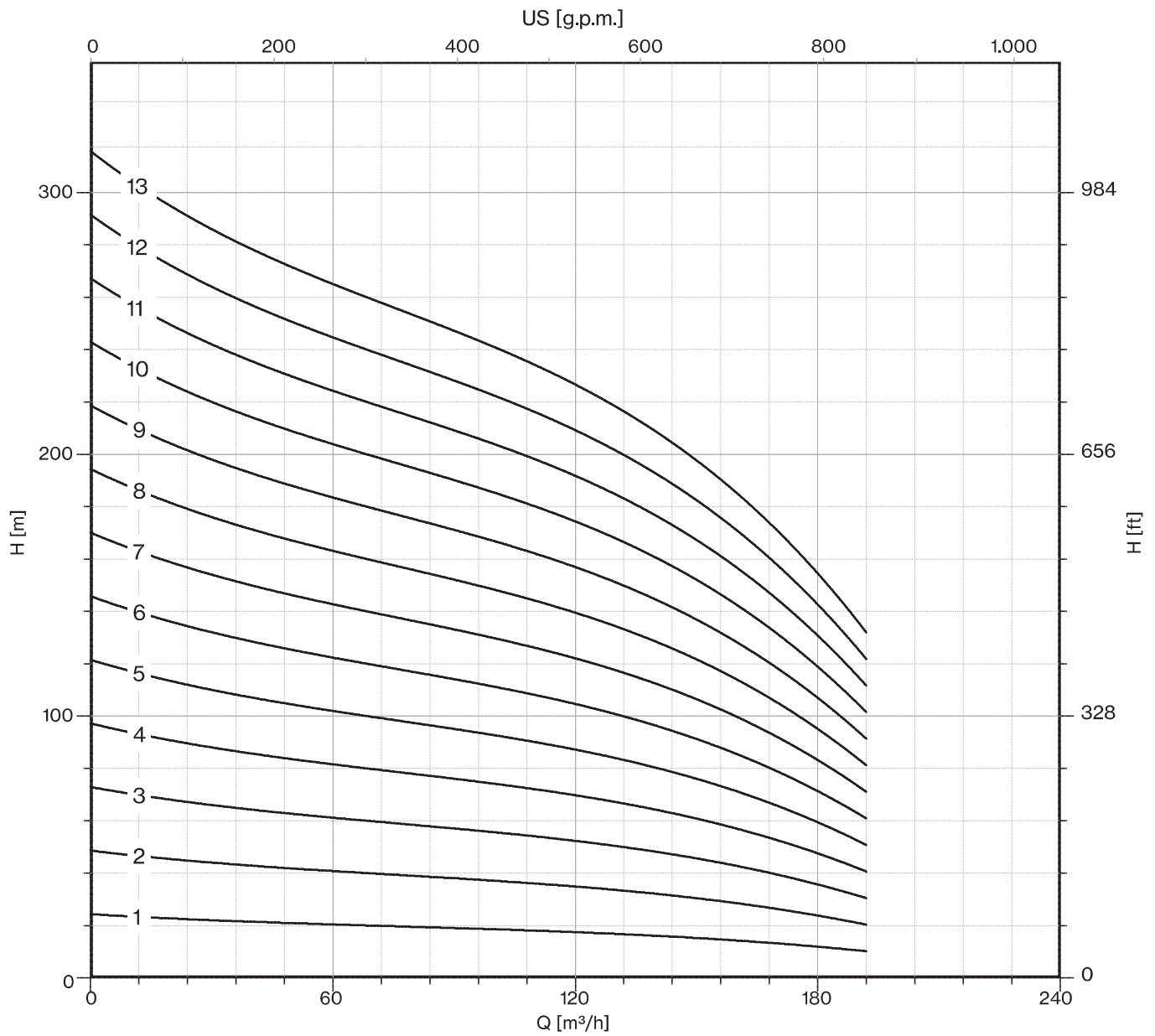
Max Eff. %	74
Max kW / St.	8,6

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	3	5	9



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LMG 160/01-6	6" NEMA	1303	552	751	60	24
8LMG 160/02-6		1693	702	991	83	33
8LMG 160/03-6		2033	852	1181	100	42
8LMG 160/04-6		2343	1002	1341	118	51
8LMG 160/05	8" NEMA	2275	1152	1123	178	60
8LMG 160/06		2535	1302	1233	200	69
8LMG 160/07		2755	1452	1303	214	78
8LMG 160/08		2985	1602	1383	230	87
8LMG 160/09		3135	1752	1383	230	96
8LMG 160/10		3485	1902	1583	270	105
8LMG 160/11		3635	2052	1583	270	114
8LMG 160/12		3935	2202	1733	300	123
8LMG 160/13		4085	2352	1733	300	132

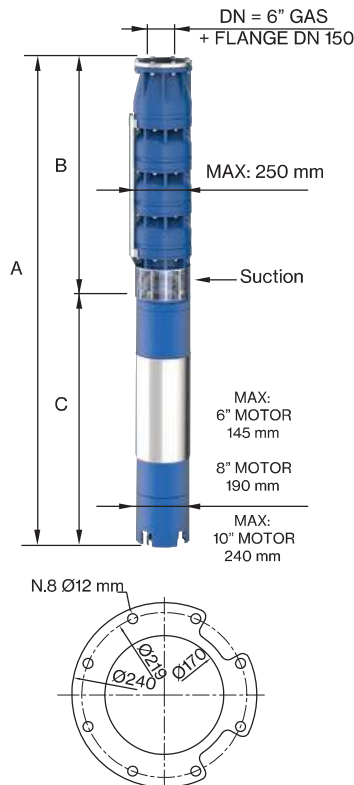


10LMG 190

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	1800	2200	2600	3000	3400	3800	
	P2		CURRENT	I/sec	0	30,00	36,67	43,33	50,00	56,67	63,33
	HP	kW	A	m³/h	0	108	132	156	180	204	228
10LMG 190/01DR20	20	15	32	H (m)	32	29	28	25	24	20	16
10LMG 190/01DR10	25	18,5	40		37	33	31	29	27	22	18
10LMG 190/01	30	22	47,5		42	37	35	32	30	25	20
10LMG 190/02DR20	40	30	62,5		65	58	55	50	48	40	32
10LMG 190/02DR10	50	37	78		73	66	62	57	54	45	36
10LMG 190/02	60	45	92		83	74	70	64	60	50	40
10LMG 190/03DR20	75	55	113,5		97	88	83	76	71	59	47
10LMG 190/03DR10	75	55	113,5		110	99	94	86	80	67	53
10LMG 190/03	90	66	134,5		125	111	105	96	90	75	60
10LMG 190/04DR20	90	66	134,5		130	117	110	101	95	79	63
10LMG 190/04DR10	100	75	149,5		146	132	125	114	107	90	71
10LMG 190/04	100	75	149,5		166	148	140	128	120	100	80
10LMG 190/05DR20	100	75	149,5		162	146	138	126	119	99	79
10LMG 190/05DR10	125	92	185		183	165	156	143	134	112	89
10LMG 190/05	150	110	219		208	185	175	160	150	125	100
10LMG 190/06DR20	125	92	185		194	175	166	151	143	119	95
10LMG 190/06DR10	150	110	219		220	198	187	172	161	134	107
10LMG 190/06	175	130	254,5		250	222	210	192	180	150	120
10LMG 190/07DR20	150	110	219		227	204	193	176	167	139	111
10LMG 190/07DR10	175	130	254,5		256	231	218	200	188	157	125
10LMG 190/07	200	150	290		291	259	245	224	210	175	140
10LMG 190/08DR20	175	130	254,5		259	234	221	202	190	158	126
10LMG 190/08DR10	200	150	290		293	264	250	229	214	179	142
10LMG 190/08	225	165	330		333	296	280	256	240	200	160

Max Eff. % DR20 =	74
Max Eff. % DR10 =	75
Max Eff. %	75,5
Max kW / St. DR20 =	15,7
Max kW / St. DR10 =	17,5
Max kW / St.	19,4

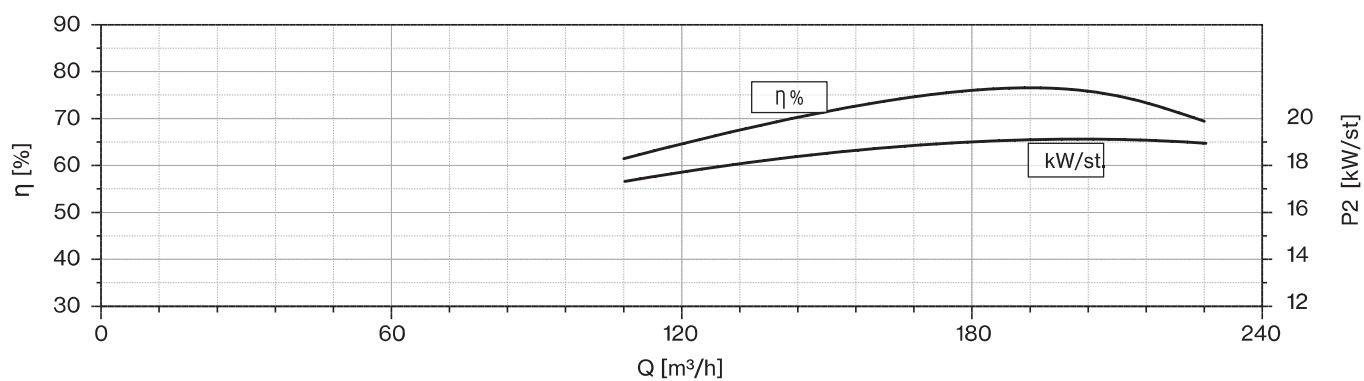
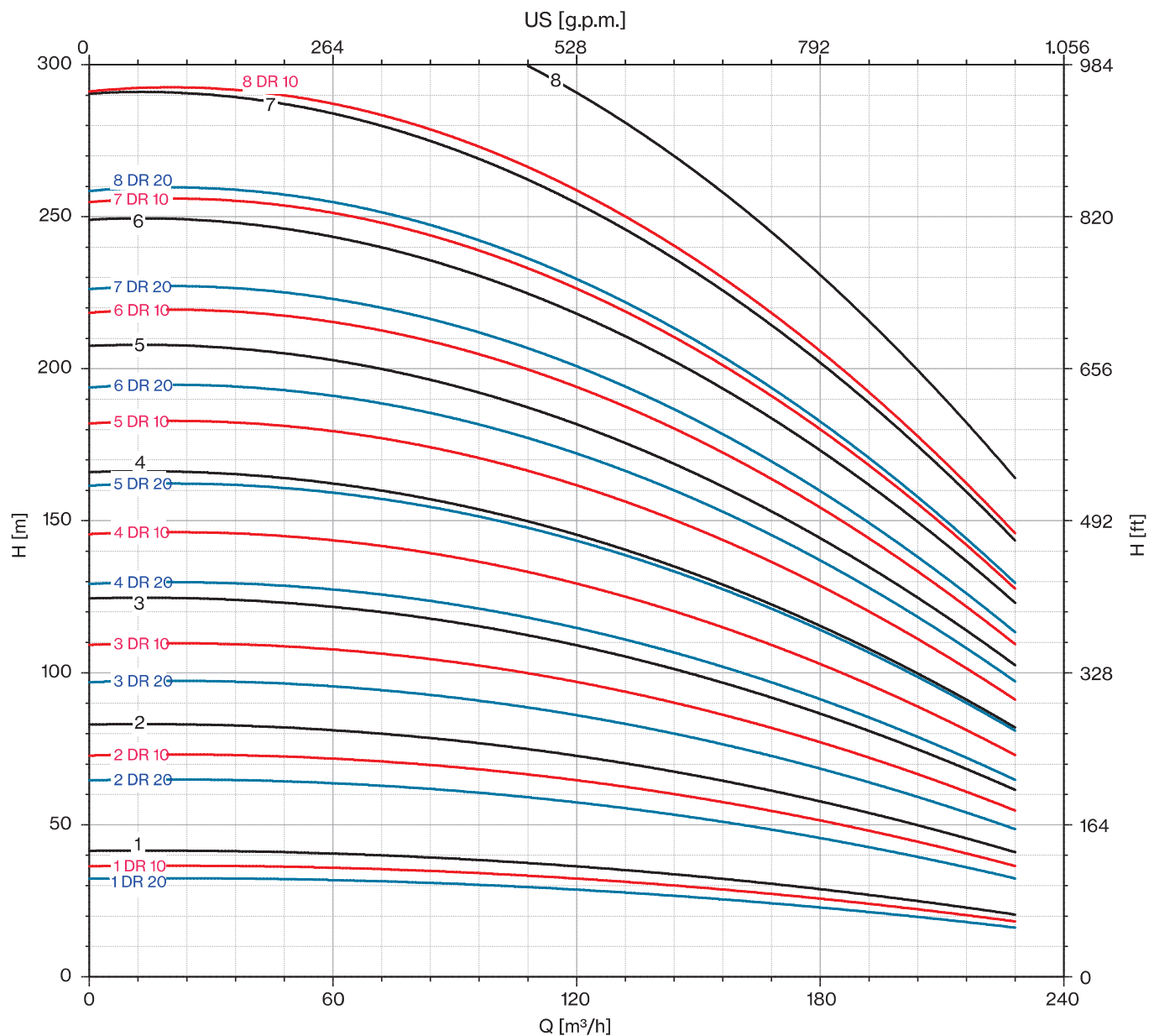
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,6	5,3	8,1	14



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LMG 190/01DR20-6	6" NEMA	1556	625	931	75	50
10LMG 190/01DR10-6		1616	625	991	83	50
10LMG 190/01-6		1696	625	1071	92	50
10LMG 190/02DR20-6		2056	805	1251	108	68
10LMG 190/02DR10-6		2146	805	1341	118	68
10LMG 190/02-8	8" NEMA	1928	805	1123	178	68
10LMG 190/03DR20-8		2218	985	1233	200	87
10LMG 190/03DR10-8		2218	985	1233	200	87
10LMG 190/03-8		2288	985	1303	214	87
10LMG 190/04DR20-8		2468	1165	1303	214	105
10LMG 190/04DR10-8		2548	1165	1383	230	105
10LMG 190/04-8		2548	1165	1383	230	105
10LMG 190/05DR20-8		2728	1345	1383	230	124
10LMG 190/05DR10-8	10"	2928	1345	1583	270	124
10LMG 190/05-8		3078	1345	1733	300	124
10LMG 190/06DR20		3108	1525	1583	270	142
10LMG 190/06DR10		3258	1525	1733	300	142
10LMG 190/06		3159	1525	1634	385	142
10LMG 190/07DR20		3438	1705	1733	300	161
10LMG 190/07DR10		3339	1705	1634	385	161
10LMG 190/07		3439	1705	1734	415	161
10LMG 190/08DR20		3519	1885	1634	385	179
10LMG 190/08DR10		3619	1885	1734	415	179
10LMG 190/08		3739	1885	1854	444	179

"DR" : reduced-diameter impellers

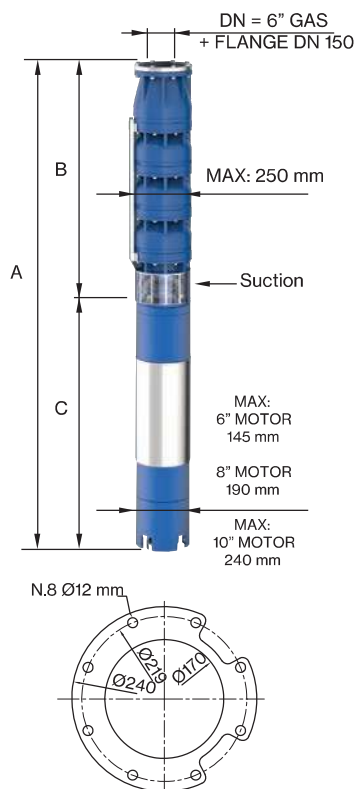


10LMG 230

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min	H (m)	0	2200	2600	3000	3400	3800	4200	4400
	P2		CURRENT		0	36,67	43,33	50,00	56,67	63,33	70,00	73,33
	HP	kW	A		0	132	156	180	204	228	252	264
10LMG 230/01DR20	25	18,5	40	H (m)	34	29	28	26	24	22	19	16
10LMG 230/01DR10	30	22	47,5		38	33	31	29	27	25	21	17
10LMG 230/01	30	22	47,5		43	37	35	33	30	28	24	22
10LMG 230/02DR20	50	37	78		68	58	55	52	48	44	38	33
10LMG 230/02DR10	60	45	92		77	66	62	59	54	50	43	35
10LMG 230/02	60	45	92		86	74	70	66	60	56	48	44
10LMG 230/03DR20	75	55	113,5		102	88	83	78	71	67	57	49
10LMG 230/03DR10	90	66	134,5		115	99	94	88	80	75	64	52
10LMG 230/03	100	75	149,5		129	111	105	99	90	84	72	66
10LMG 230/04DR20	100	75	149,5		136	117	110	104	95	89	76	66
10LMG 230/04DR10	125	92	185		154	132	125	118	107	100	86	70
10LMG 230/04	125	92	185		172	148	140	132	120	112	96	88
10LMG 230/05DR20	125	92	185		170	146	138	130	119	111	95	82
10LMG 230/05DR10	150	110	219		192	165	156	147	134	125	107	87
10LMG 230/05	175	130	254,5		215	185	175	165	150	140	120	110
10LMG 230/06DR20	150	110	219		204	175	166	156	143	133	114	98
10LMG 230/06DR10	175	130	254,5		230	198	187	176	161	150	128	104
10LMG 230/06	200	150	290		258	222	210	198	180	168	144	132
10LMG 230/07DR20	175	130	254,5		238	204	193	182	167	155	133	115
10LMG 230/07DR10	200	150	290		269	231	218	206	188	175	150	122
10LMG 230/07	225	165	330		301	259	245	231	210	196	168	154

Max Eff. % DR20 =	75,5
Max Eff. % DR10 =	76
Max Eff. %	76,5
Max kW / St. DR20 =	18,3
Max kW / St. DR10 =	20,5
Max kW / St.	23

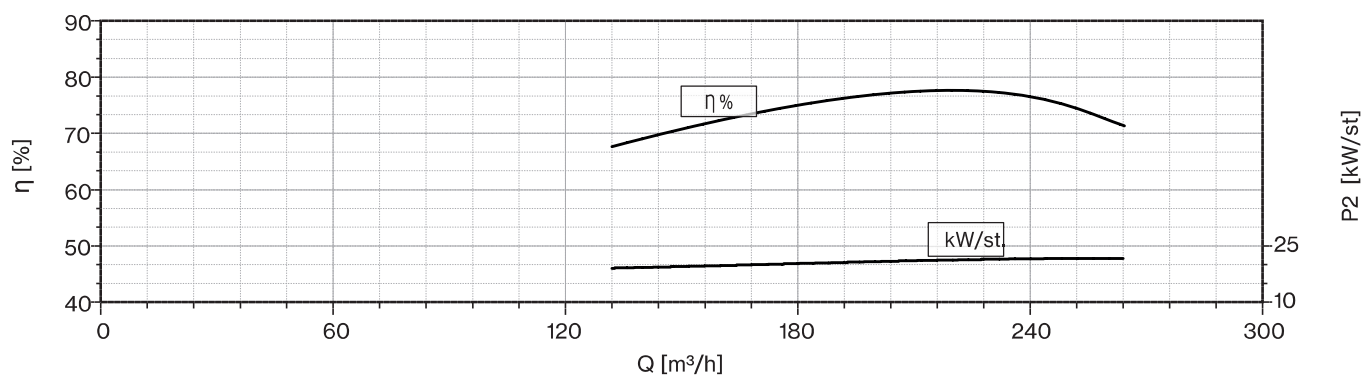
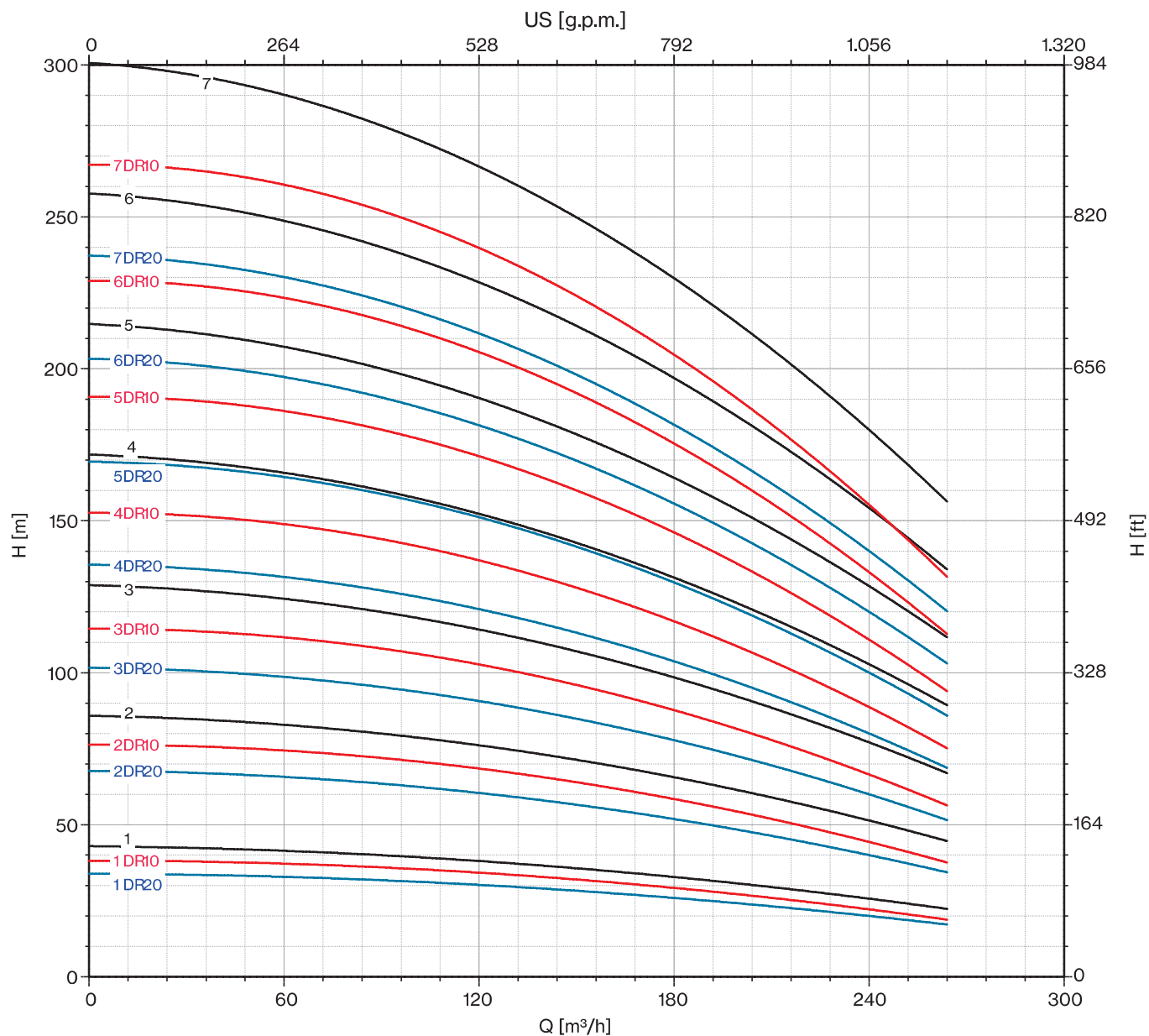
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,7	5,4	8,3	14,2



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LMG 230/01DR20-6	6" NEMA	1616	625	991	83	50
10LMG 230/01DR10-6		1696	625	1071	92	50
10LMG 230/01-6		1696	625	1071	92	50
10LMG 230/02DR20-6		2146	805	1341	118	68
10LMG 230/02DR10-8	8" NEMA	1928	805	1123	178	68
10LMG 230/02-8		1928	805	1123	178	68
10LMG 230/03DR20-8		2218	985	1233	200	87
10LMG 230/03DR10-8		2288	985	1303	214	87
10LMG 230/03-8		2368	985	1383	230	87
10LMG 230/04DR20-8		2548	1165	1383	230	105
10LMG 230/04DR10-8		2748	1165	1583	270	105
10LMG 230/04-8		2748	1165	1583	270	105
10LMG 230/05DR20-8		2928	1345	1583	270	124
10LMG 230/05DR10-8		3078	1345	1733	300	124
10LMG 230/05-8		2979	1345	1634	385	124
10LMG 230/06DR20-8		3258	1525	1733	300	142
10LMG 230/06DR10	10"	3159	1525	1634	385	142
10LMG 230/06		3259	1525	1734	415	142
10LMG 230/07DR20		3339	1705	1634	385	161
10LMG 230/07DR10		3439	1705	1734	415	161
10LMG 230/07		3559	1705	1854	444	161

"DR" : reduced-diameter impellers

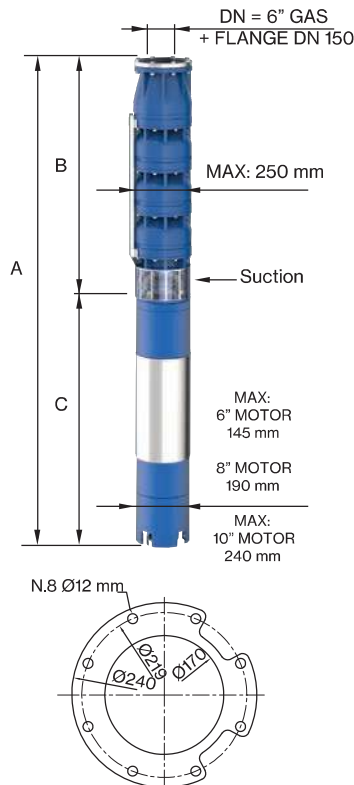


10LMG 250

50 Hz - 2900 rpm					Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	2400	2800	3200	3600	4000	4400	4800	5000
	P2		CURRENT	I/sec	0	40,00	46,67	53,33	60,00	66,67	73,33	80,00	83,33
	HP	kW	A	m³/h	0	144	168	192	216	240	264	288	300
10LMG 250/01DR20	30	22	47,5	H (m)	34	28	27	26	25	22	21	18	17
10LMG 250/01DR10	35	26	55		38	32	30	29	28	25	23	20	20
10LMG 250/01	35	26	55		43	36	34	33	31	28	26	23	22
10LMG 250/02DR20	60	45	92		68	57	54	52	49	44	41	36	35
10LMG 250/02DR10	75	55	113,5		77	64	61	59	55	50	46	41	39
10LMG 250/02	75	55	113,5		86	72	68	66	62	56	52	46	44
10LMG 250/03DR20	90	66	134,5		102	85	81	79	74	67	62	55	52
10LMG 250/03DR10	100	75	149,5		115	96	91	88	83	75	70	61	59
10LMG 250/03	125	92	185		129	108	102	99	93	84	78	69	66
10LMG 250/04DR20	125	92	185		136	114	108	105	98	89	82	73	70
10LMG 250/04DR10	125	92	185		154	128	122	118	110	100	93	82	78
10LMG 250/04	150	110	219		172	144	136	132	124	112	104	92	88
10LMG 250/05DR20	150	110	219		170	142	135	131	123	111	103	91	87
10LMG 250/05DR10	175	130	254,5		192	160	152	147	138	125	116	102	98
10LMG 250/05	175	130	254,5		215	180	170	165	155	140	130	115	110
10LMG 250/06DR20	175	130	254,5		204	170	162	157	148	133	124	109	104
10LMG 250/06DR10	200	150	290		230	192	182	176	166	150	139	122	118
10LMG 250/06	225	165	330		258	216	204	198	186	168	156	138	132
10LMG 250/07DR20	225	165	330		238	199	189	183	172	155	144	127	122
10LMG 250/07DR10	225	165	330		269	224	213	206	193	175	162	143	137

Max Eff. % DR20 =	75,5
Max Eff. % DR10 =	76
Max Eff. %	76,5
Max kW / St. DR20 =	21,9
Max kW / St. DR10 =	23,5
Max kW / St.	26,3

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,9	5,5	8,5	14,4

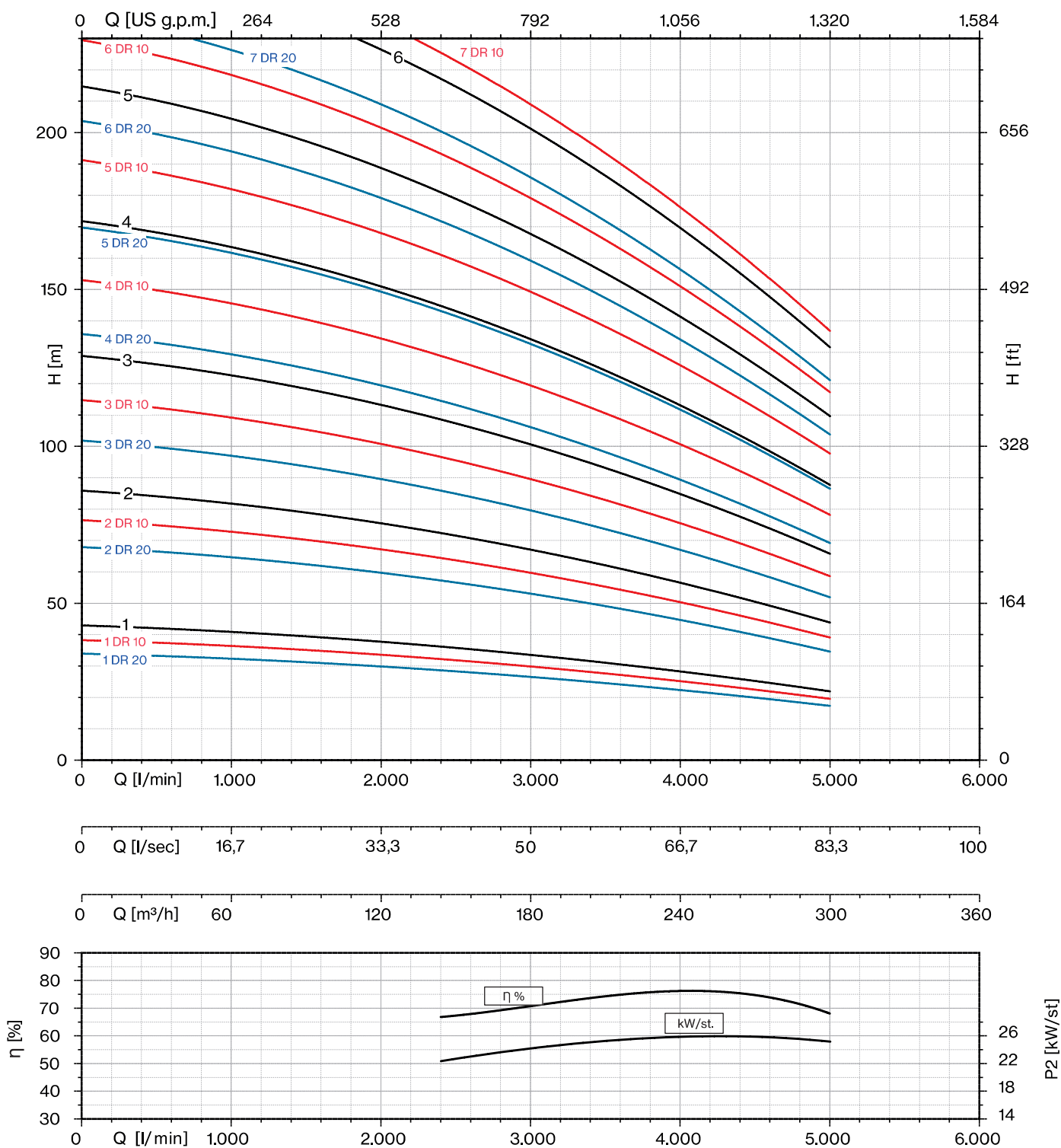


FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

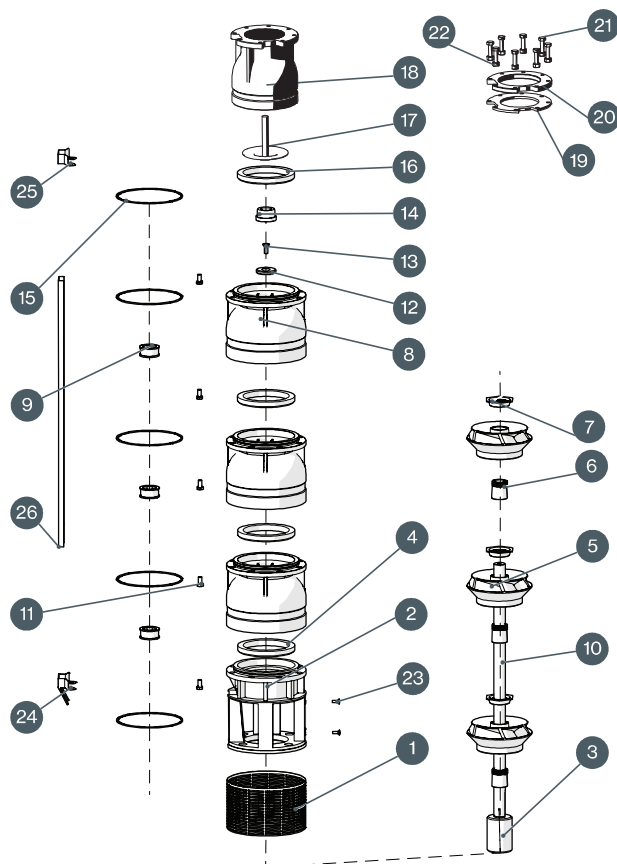
TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LMG 250/01DR20-6	6" NEMA	1696	625	1071	92	50
10LMG 250/01DR10-6		1806	625	1181	100	50
10LMG 250/01-6		1806	625	1181	100	50
10LMG 250/02DR20-8	8" NEMA	1928	805	1123	178	68
10LMG 250/02DR10-8		2038	805	1233	200	68
10LMG 250/02-8		2038	805	1233	200	68
10LMG 250/03DR20-8		2288	985	1303	214	87
10LMG 250/03DR10-8		2368	985	1383	230	87
10LMG 250/03-8		2568	985	1583	270	87
10LMG 250/04DR20-8	10"	2748	1165	1583	270	105
10LMG 250/04DR10-8		2748	1165	1583	270	105
10LMG 250/04-8		2898	1165	1733	300	105
10LMG 250/05DR20		3078	1345	1733	300	124
10LMG 250/05DR10		2979	1345	1634	385	124
10LMG 250/05		2979	1345	1634	385	124
10LMG 250/06DR20		3159	1525	1634	385	142
10LMG 250/06DR10		3259	1525	1734	415	142
10LMG 250/06		3379	1525	1854	444	142
10LMG 250/07DR20		3559	1705	1854	444	161
10LMG 250/07DR10		3559	1705	1854	444	161

"DR" : reduced-diameter impellers

10LMG 250



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

6LRH & 6LM lines

Deepwell Borehole

Submersible Multistage Centrifugal Pumps for 6" Wells.

The 6LRH line is a radial type execution, while the 6LM one is a semi-axial type. These pumps feature a check valve integrated into the delivery outlet. The pump motor bracket is designed in compliance with NEMA standards. All components are constructed from stainless steel using lost wax microfusion technology.

The standard material is AISI 304 stainless steel. Alternatively, the following materials are available upon request: AISI 316 stainless steel and Duplex steel (EN 1.4462). The bushing bearings and wear rings are made from sand abrasion-resistant rubber, while the reverse-thrust ring is crafted from PTFE/Graphite.

These pumps are ideal for a variety of applications, including civil and agricultural use.

General operating data:

- Capacity up to 90 m³/h
- Pressure up to 540 m
- Hydraulic efficiency 6", up to 78,5%
- Powers up to 37 kW
- Rotation speed 2.900 rpm
- Maximum depth: 350 m
- Maximum quantity of sand: 100 gr/m³
- Drinking water compatibility according to DM174
- MEI ≥ 0,4 (EU directive No.547/2012)
- Performance tolerance: ISO9906-3B

Construction features

Suction and delivery outlet	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Valve	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Impellers and diffusers	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Upper bushings	NBR rubber
Shaft pump side	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Quantity of sand in the water	max 100 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



6LRH line



6LM line

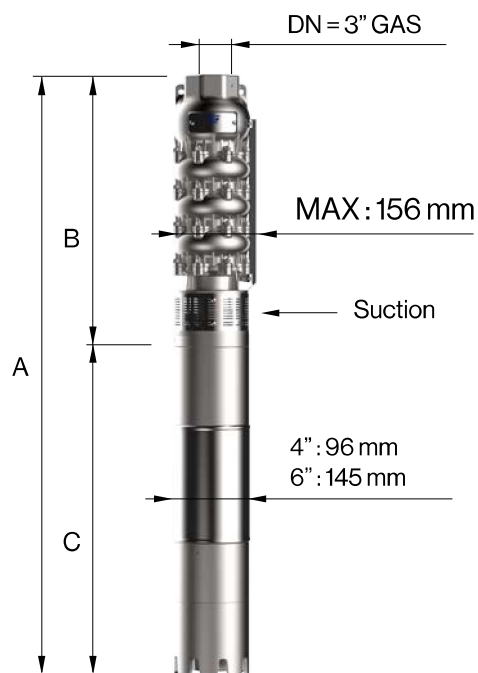


6LRH 14

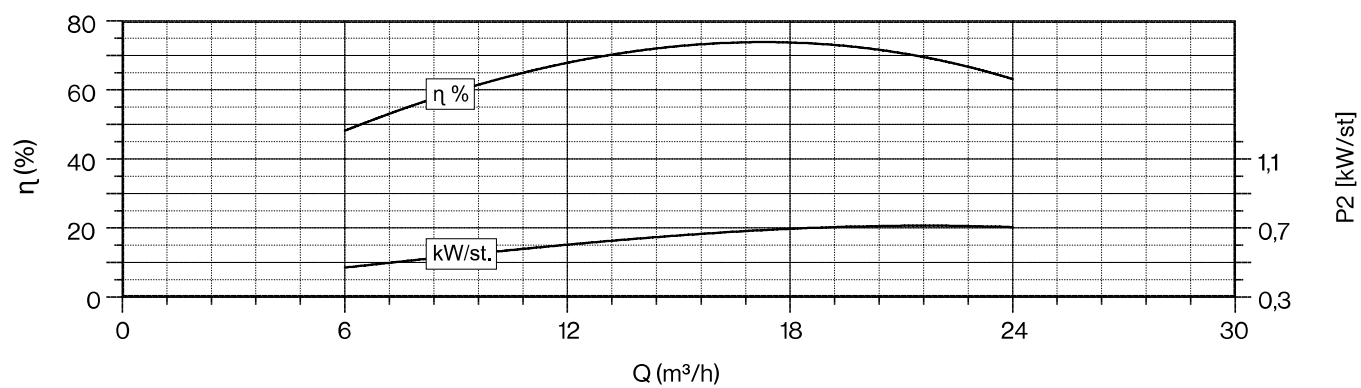
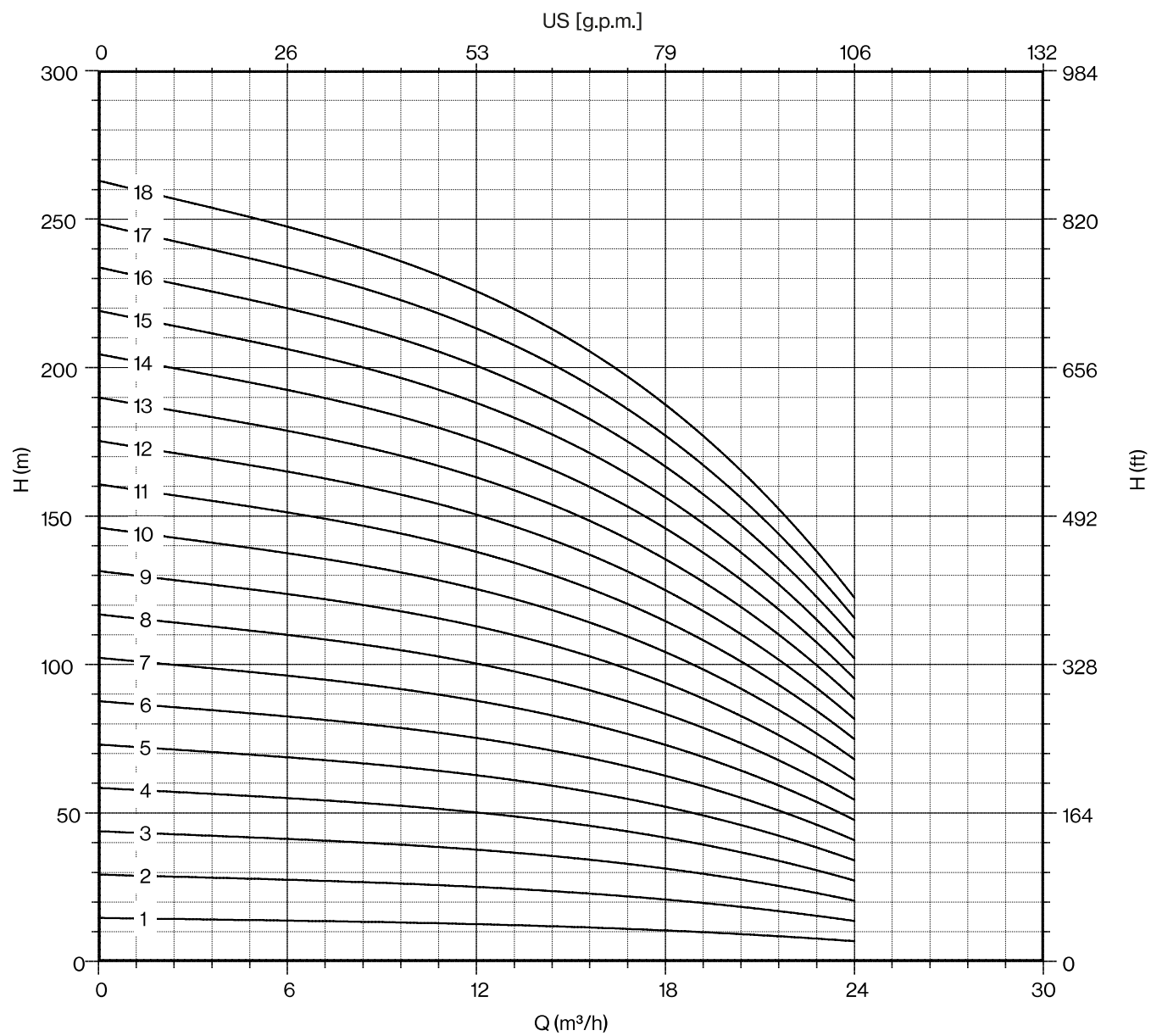
50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	100	150	200	250	300	350	400	
	P2		CURRENT	I/sec	0,0	1,7	2,5	3,3	4,2	5,0	5,8	6,7
	HP	kW	A	m³/h	0	6	9	12	15	18	21	24
6LRH 14/01	1	0,75	2,6	H (m)	15	14	13	13	12	11	9	7
6LRH 14/02	2	1,5	4,6		29	28	26	25	23	21	18	14
6LRH 14/03	3	2,2	6,4		44	41	40	38	35	32	26	20
6LRH 14/04	4	3	8,3		58	55	53	50	46	42	35	27
6LRH 14/05	5,5	4	9,6		73	69	66	63	58	53	44	34
6LRH 14/06	7,5	5,5	13,6		88	83	79	75	70	63	53	41
6LRH 14/07	7,5	5,5	13,6		102	97	92	88	81	74	62	48
6LRH 14/08	7,5	5,5	13,6		117	110	106	100	93	84	70	54
6LRH 14/09	10	7,5	16,3		131	124	119	113	104	95	79	61
6LRH 14/10	10	7,5	16,3		146	138	132	125	116	105	88	68
6LRH 14/11	12,5	9,2	19,9		161	152	145	138	128	116	97	75
6LRH 14/12	12,5	9,2	19,9		175	166	158	150	139	126	106	82
6LRH 14/13	12,5	9,2	19,9		190	179	172	163	151	137	114	88
6LRH 14/14	15	11	23,4		204	193	185	175	162	147	123	95
6LRH 14/15	15	11	23,4		219	207	198	188	174	158	132	102
6LRH 14/16	15	11	23,4		234	221	211	200	186	168	141	109
6LRH 14/17	17,5	13	27,3		248	235	224	213	197	179	150	116
6LRH 14/18	17,5	13	27,3		263	248	238	225	209	189	158	122

Max Eff. %	74
Max kW / St.	0,71

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4	6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 14/01-4	4" NEMA	627	302	325	7,6	11
6LRH 14/02-4		754	369	385	10,4	15
6LRH 14/03-4		856	436	420	12	20
6LRH 14/04-4		921	503	418	12,8	24
6LRH 14/05-4		1038	570	468	15,3	28
6LRH 14/06-4		1175	637	538	18,6	32
6LRH 14/07-4		1242	704	538	18,6	36
6LRH 14/08-4		1309	771	538	18,6	40
6LRH 14/09	6" NEMA	1539	838	701	55	44
6LRH 14/10		1606	905	701	55	49
6LRH 14/11		1723	972	751	60	53
6LRH 14/12		1790	1039	751	60	57
6LRH 14/13		1857	1106	751	60	61
6LRH 14/14		1984	1173	811	65	65
6LRH 14/15		2051	1240	811	65	69
6LRH 14/16		2118	1307	811	65	74
6LRH 14/17		2215	1374	841	70	78
6LRH 14/18		2282	1441	841	70	82

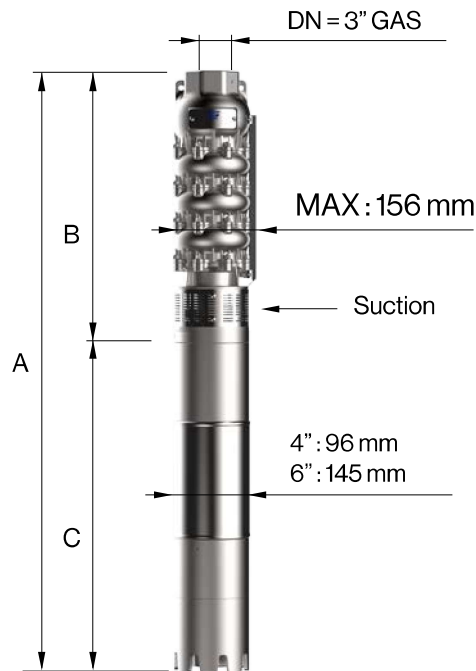


6LRH 14

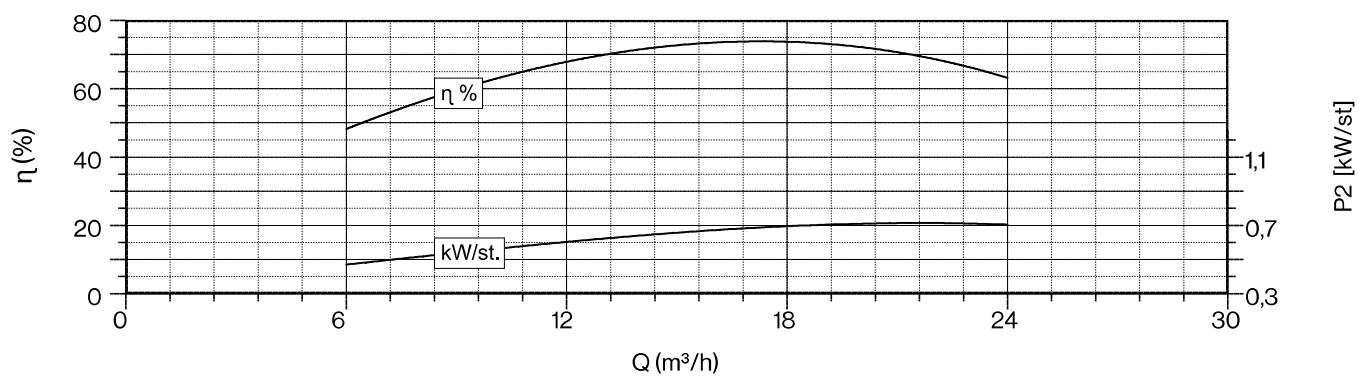
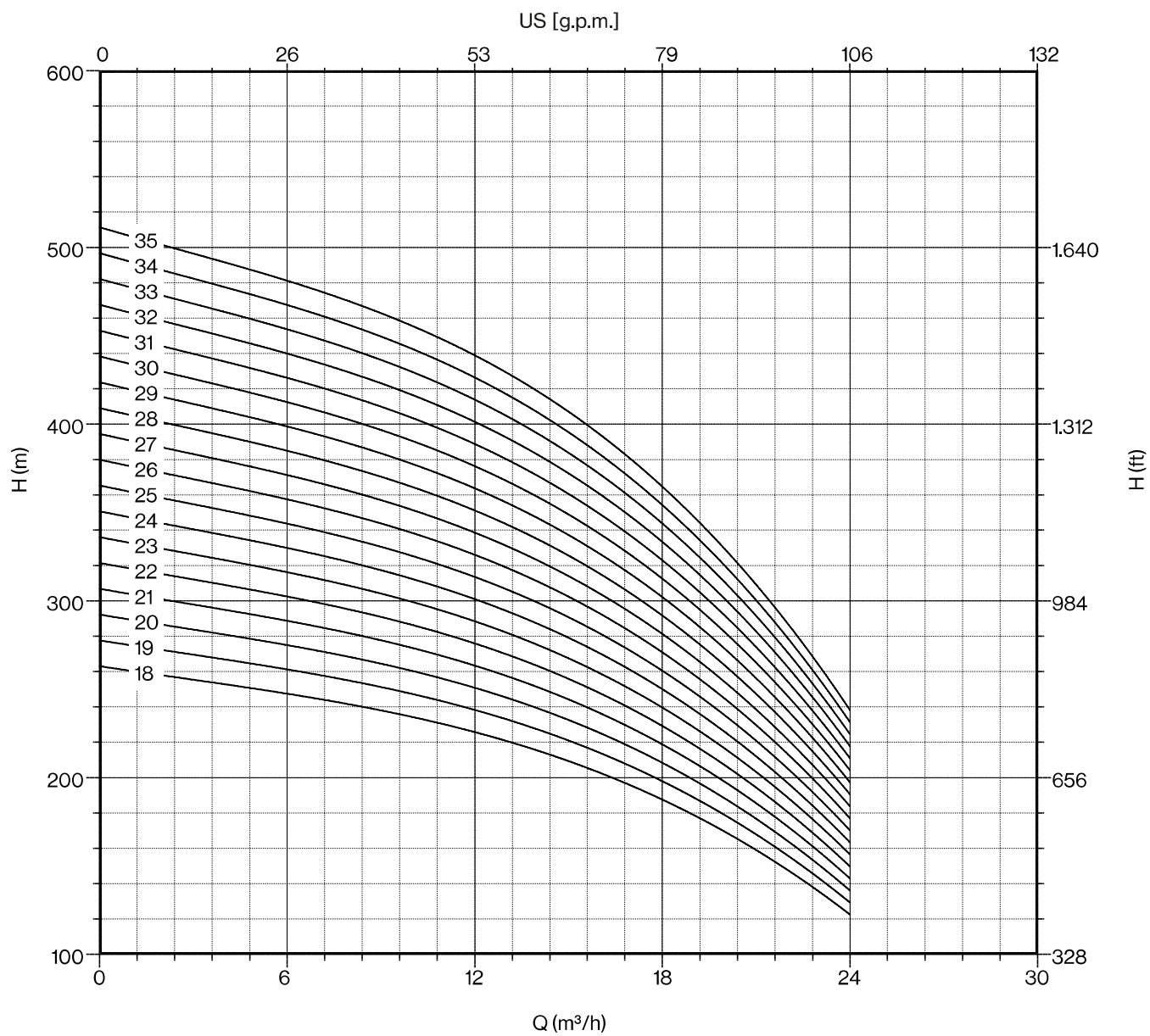
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	100	150	200	250	300	350	400	
	P2		CURRENT		I/sec	0,0	1,7	2,5	3,3	4,2	5,0	5,8	6,7
	HP	kW	A		m³/h	0	6	9	12	15	18	21	24
6LRH 14/19	20	15	31,5		277	262	251	238	220	200	167	129	
6LRH 14/20	20	15	31,5		292	276	264	250	232	210	176	136	
6LRH 14/21	20	15	31,5		307	290	277	263	244	221	185	143	
6LRH 14/22	25	18,5	38,3		321	304	290	275	255	231	194	150	
6LRH 14/23	25	18,5	38,3		336	317	304	288	267	242	202	156	
6LRH 14/24	25	18,5	38,3		350	331	317	300	278	252	211	163	
6LRH 14/25	25	18,5	38,3		365	345	330	313	290	263	220	170	
6LRH 14/26	25	18,5	38,3		380	359	343	325	302	273	229	177	
6LRH 14/27	30	22	45,1		394	373	356	338	313	284	238	184	
6LRH 14/28	30	22	45,1		409	386	370	350	325	294	246	190	
6LRH 14/29	30	22	45,1		423	400	383	363	336	305	255	197	
6LRH 14/30	30	22	45,1		438	414	396	375	348	315	264	204	
6LRH 14/31	30	22	45,1		453	428	409	388	360	326	273	211	
6LRH 14/32	35	26	52,9		467	442	422	400	371	336	282	218	
6LRH 14/33	35	26	52,9		482	455	436	413	383	347	290	224	
6LRH 14/34	35	26	52,9		496	469	449	425	394	357	299	231	
6LRH 14/35	35	26	52,9		511	483	462	438	406	368	308	238	
6LRH 14/36	35	26	52,9		526	497	475	450	418	378	317	245	
6LRH 14/37	35	26	52,9		540	511	488	463	429	389	326	252	

Max Eff. %	74
Max kW / St.	0,71

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4	6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 14/19	6" NEMA	2439	1508	931	75	86
6LRH 14/20		2506	1575	931	75	90
6LRH 14/21		2573	1642	931	75	94
6LRH 14/22		2700	1709	991	83	98
6LRH 14/23		2767	1776	991	83	103
6LRH 14/24		2834	1843	991	83	107
6LRH 14/25		2901	1910	991	83	111
6LRH 14/26		2968	1977	991	83	115
6LRH 14/27		3115	2044	1071	92	119
6LRH 14/28		3182	2111	1071	92	123
6LRH 14/29		3249	2178	1071	92	127
6LRH 14/30		3316	2245	1071	92	132
6LRH 14/31		3383	2312	1071	92	136
6LRH 14/32		3560	2379	1181	100	140
6LRH 14/33		3627	2446	1181	100	144
6LRH 14/34		3694	2513	1181	100	148
6LRH 14/35		3761	2580	1181	100	152
6LRH 14/36		3828	2647	1181	100	157
6LRH 14/37		3895	2714	1181	100	161

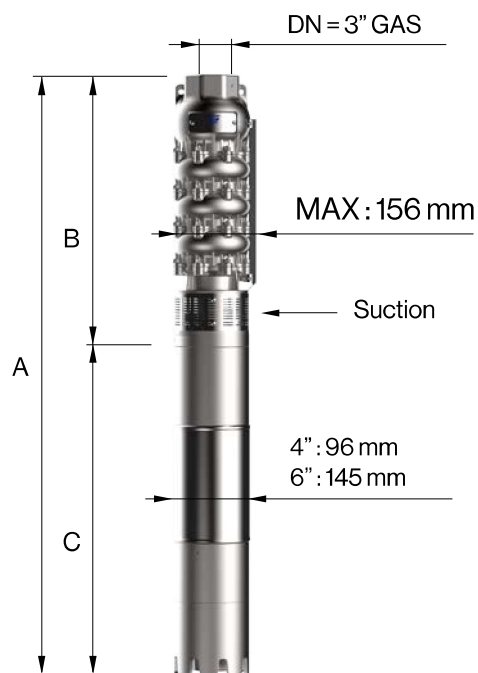


6LRH 20

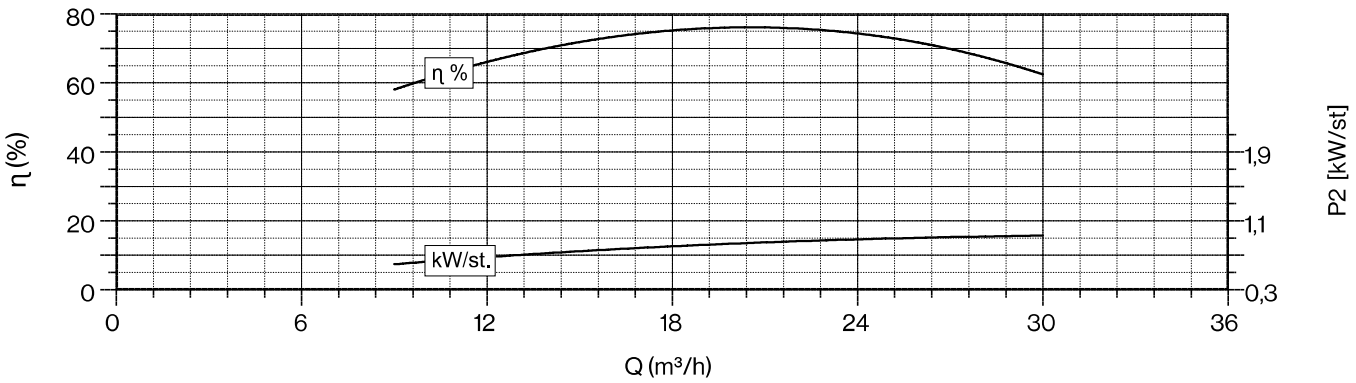
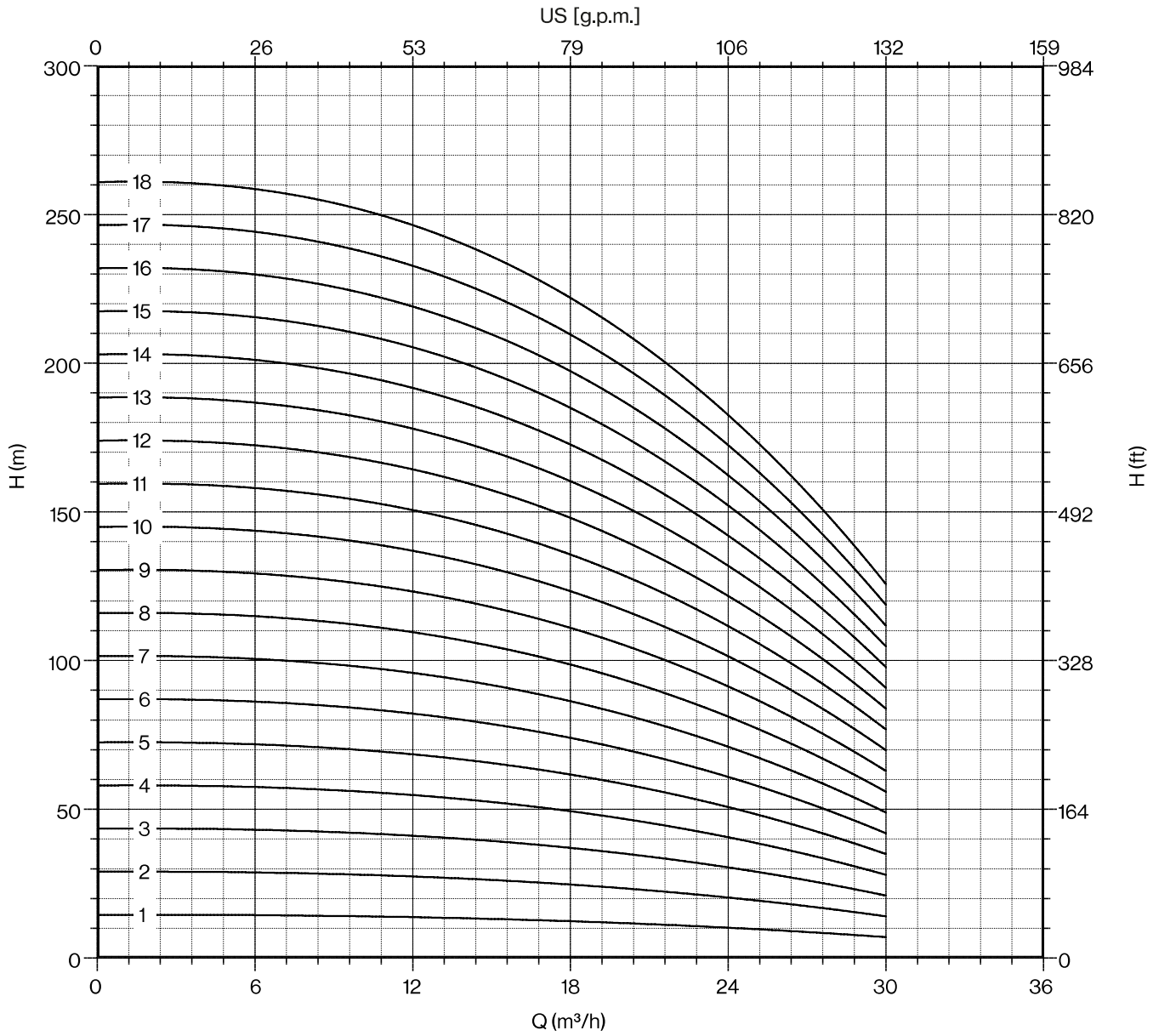
50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	150	200	250	300	350	400	450	500	
	P2		CURRENT		I/sec	0,0	2,5	3,3	4,2	5,0	5,8	6,7	7,5	8,3
	HP	kW	A		m³/h	0	9	12	15	18	21	24	27	30
6LRH 20/01	1,5	1,1	3,4	H (m)	15	14	14	13	12	11	10	9	7	
6LRH 20/02	3	2,2	6,4		29	28	27	26	25	23	20	17	14	
6LRH 20/03	4	3	8,3		44	42	41	40	37	34	30	26	21	
6LRH 20/04	5,5	4	9,6		58	56	54	53	50	45	40	35	28	
6LRH 20/05	7,5	5,5	13,6		73	71	68	66	62	57	51	44	35	
6LRH 20/06	7,5	5,5	13,6		87	85	82	79	74	68	61	52	42	
6LRH 20/07	10	7,5	16,3		102	99	95	92	87	79	71	61	49	
6LRH 20/08	10	7,5	16,3		116	113	109	106	99	90	81	70	56	
6LRH 20/09	12,5	9,2	19,9		131	127	122	119	112	102	91	78	63	
6LRH 20/10	12,5	9,2	19,9		145	141	136	132	124	113	101	87	70	
6LRH 20/11	15	11	23,4		160	155	150	145	136	124	111	96	77	
6LRH 20/12	15	11	23,4		174	169	163	158	149	136	121	104	84	
6LRH 20/13	17,5	13	27,3		189	183	177	172	161	147	131	113	91	
6LRH 20/14	17,5	13	27,3		203	197	190	185	174	158	141	122	98	
6LRH 20/15	20	15	31,5		218	212	204	198	186	170	152	131	105	
6LRH 20/16	20	15	31,5		232	226	218	211	198	181	162	139	112	
6LRH 20/17	25	18,5	38,3		247	240	231	224	211	192	172	148	119	
6LRH 20/18	25	18,5	38,3		261	254	245	238	223	203	182	157	126	

Max Eff. %	76
Max kW / St.	0,93

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4	6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 20/01-4	4" NEMA	652	302	350	8,7	11
6LRH 20/02-4		789	369	420	12	15
6LRH 20/03-4		854	436	418	12,8	20
6LRH 20/04-4		971	503	468	15,3	24
6LRH 20/05-4		1108	570	538	18,6	28
6LRH 20/06-4		1175	637	538	18,6	32
6LRH 20/07	6" NEMA	1405	704	701	55	36
6LRH 20/08		1472	771	701	55	40
6LRH 20/09		1589	838	751	60	44
6LRH 20/10		1656	905	751	60	49
6LRH 20/11		1783	972	811	65	53
6LRH 20/12		1850	1039	811	65	57
6LRH 20/13		1947	1106	841	70	61
6LRH 20/14		2014	1173	841	70	65
6LRH 20/15		2171	1240	931	75	69
6LRH 20/16		2238	1307	931	75	74
6LRH 20/17		2365	1374	991	83	78
6LRH 20/18		2432	1441	991	83	82

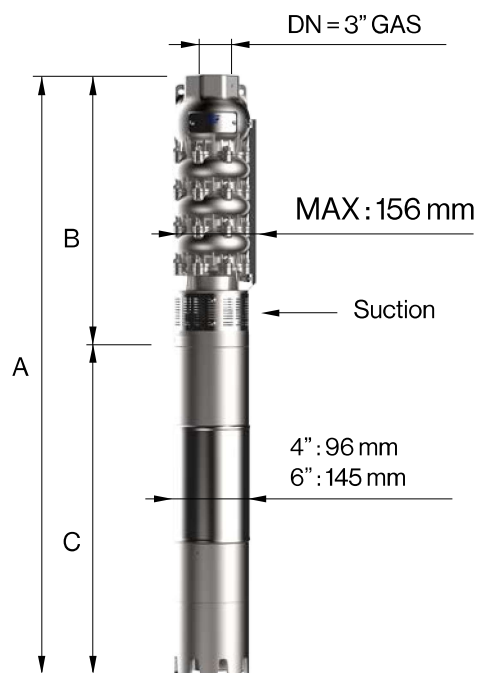


6LRH 20

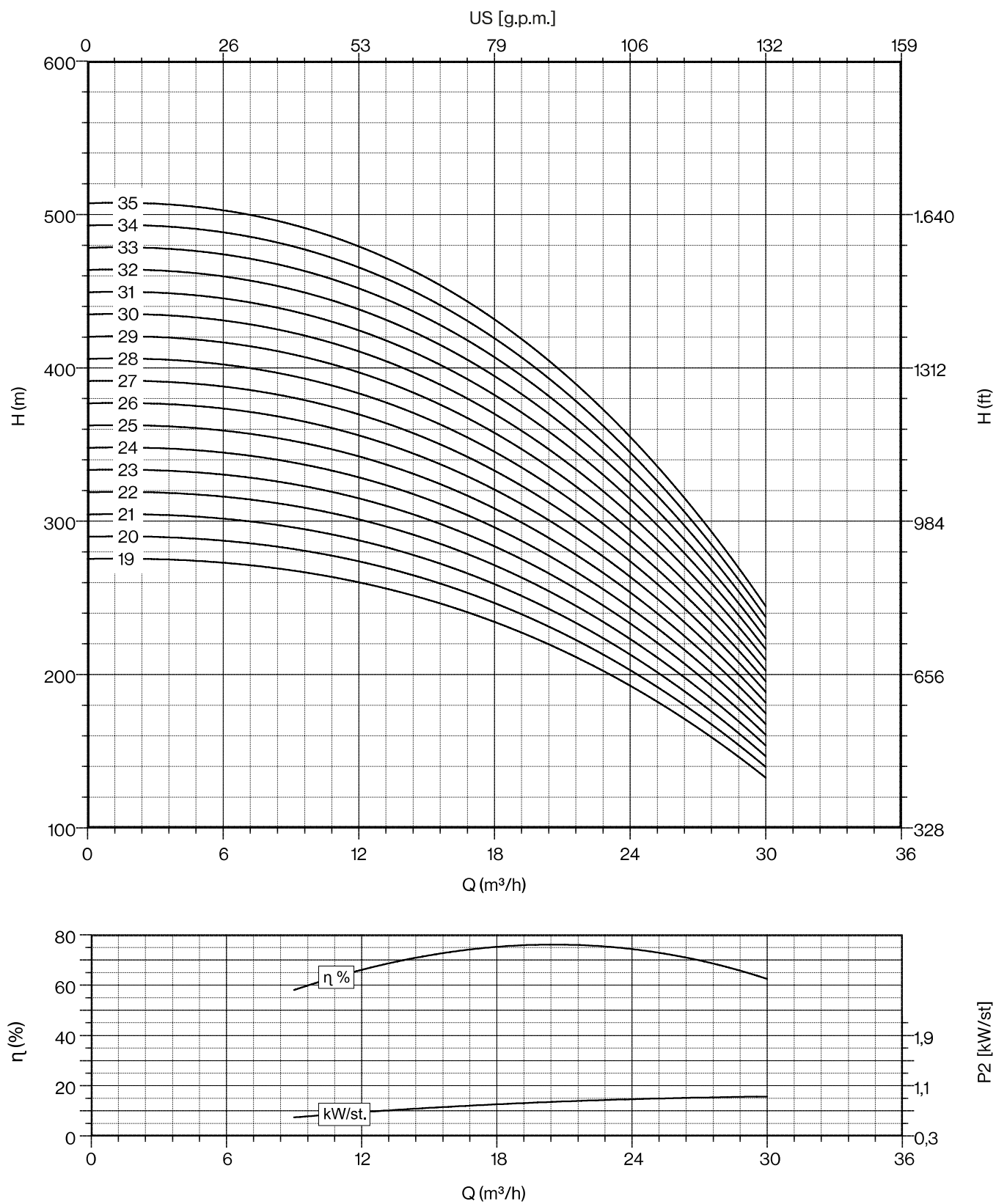
50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	150	200	250	300	350	400	450	500	
	P2		CURRENT		I/sec	0,0	2,5	3,3	4,2	5,0	5,8	6,7	7,5	8,3
	HP	kW	A		m³/h	0	9	12	15	18	21	24	27	30
6LRH 20/19	25	18,5	38,3		276	268	258	251	236	215	192	165	133	
6LRH 20/20	25	18,5	38,3		290	282	272	264	248	226	202	174	140	
6LRH 20/21	30	22	45,1		305	296	286	277	260	237	212	183	147	
6LRH 20/22	30	22	45,1		319	310	299	290	273	249	222	191	154	
6LRH 20/23	30	22	45,1		334	324	313	304	285	260	232	200	161	
6LRH 20/24	30	22	45,1		348	338	326	317	298	271	242	209	168	
6LRH 20/25	35	26	52,9		363	353	340	330	310	283	253	218	175	
6LRH 20/26	35	26	52,9		377	367	354	343	322	294	263	226	182	
6LRH 20/27	35	26	52,9		392	381	367	356	335	305	273	235	189	
6LRH 20/28	35	26	52,9		406	395	381	370	347	316	283	244	196	
6LRH 20/29	40	30	61,1		421	409	394	383	360	328	293	252	203	
6LRH 20/30	40	30	61,1		435	423	408	396	372	339	303	261	210	
6LRH 20/31	40	30	61,1		450	437	422	409	384	350	313	270	217	
6LRH 20/32	40	30	61,1		464	451	435	422	397	362	323	278	224	
6LRH 20/33	50	37	75,8		479	465	449	436	409	373	333	287	231	
6LRH 20/34	50	37	75,8		493	479	462	449	422	384	343	296	238	
6LRH 20/35	50	37	75,8		508	494	476	462	434	396	354	305	245	

Max Eff. %	76
Max kW / St.	0,93

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4	6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 20/19	6\" NEMA	2499	1508	991	83	86
6LRH 20/20		2566	1575	991	83	90
6LRH 20/21		2713	1642	1071	92	94
6LRH 20/22		2780	1709	1071	92	98
6LRH 20/23		2847	1776	1071	92	103
6LRH 20/24		2914	1843	1071	92	107
6LRH 20/25		3091	1910	1181	100	111
6LRH 20/26		3158	1977	1181	100	115
6LRH 20/27		3225	2044	1181	100	119
6LRH 20/28		3292	2111	1181	100	123
6LRH 20/29		3429	2178	1251	108	127
6LRH 20/30		3496	2245	1251	108	132
6LRH 20/31		3563	2312	1251	108	136
6LRH 20/32		3630	2379	1251	108	140
6LRH 20/33		3787	2446	1341	118	144
6LRH 20/34		3854	2513	1341	118	148
6LRH 20/35		3921	2580	1341	118	152

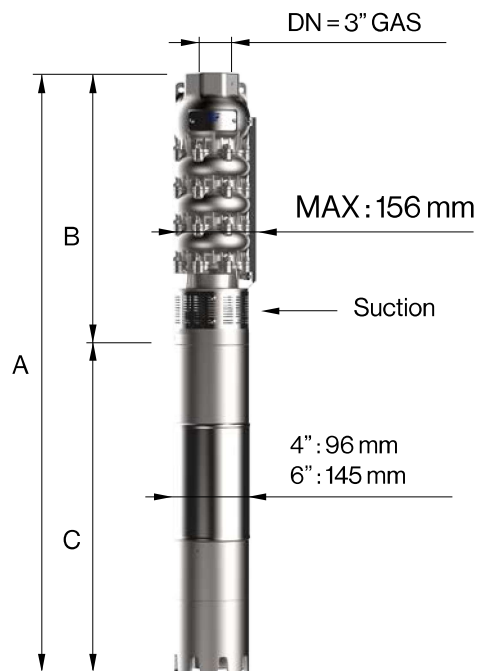


6LRH 25

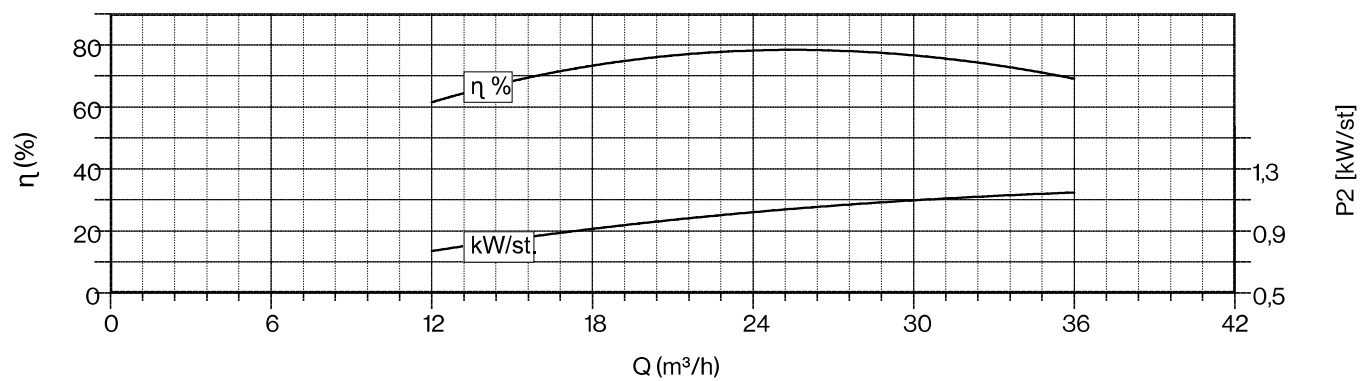
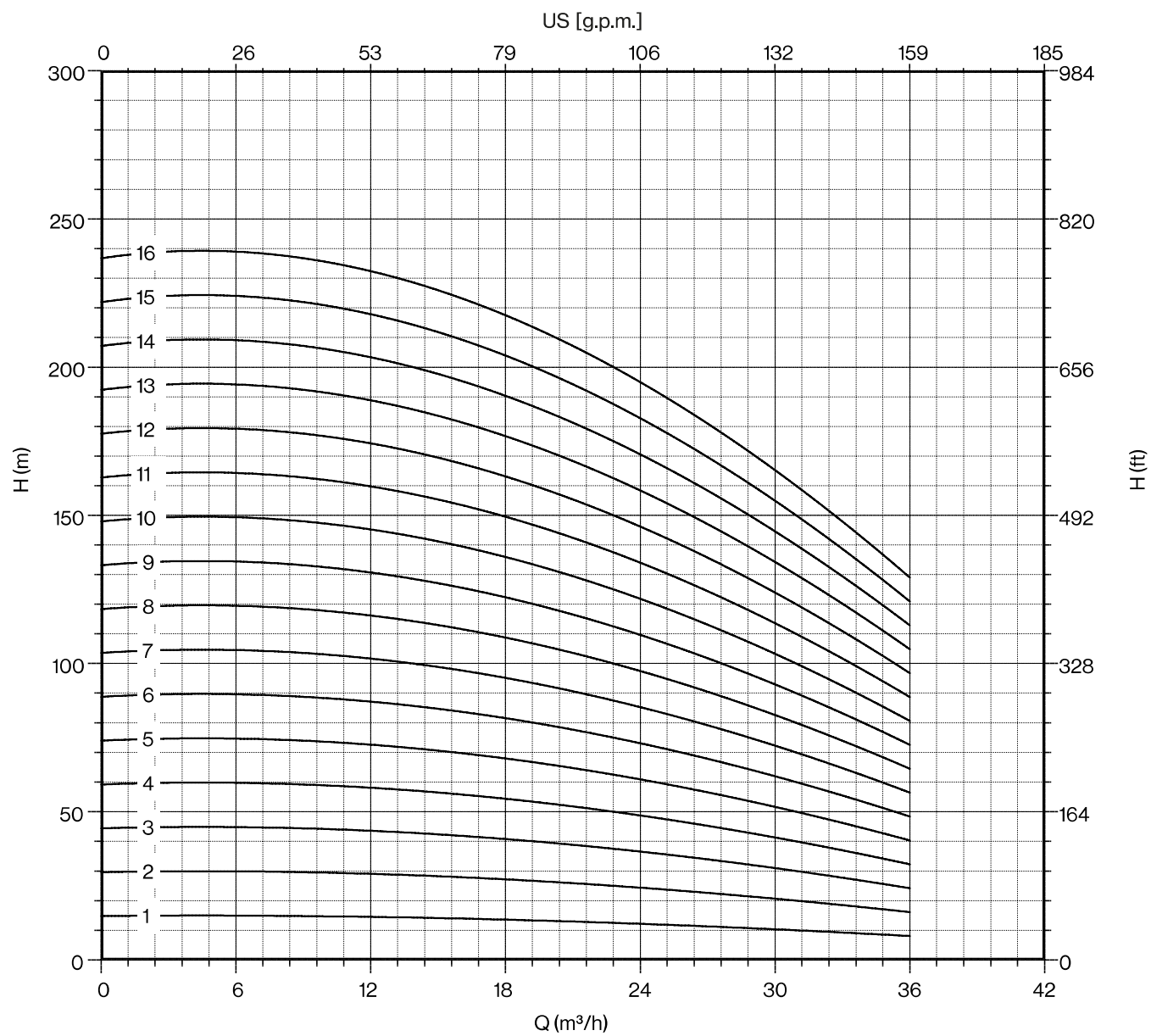
50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	200	250	300	350	400	450	500	550	600	
	P2		CURRENT	I/sec	0,0	3,3	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0
	HP	kW	A	m³/h	0	12	15	18	21	24	27	30	33	36
6LRH 25/01	1,5	1,1	3,4	H (m)	15	15	14	14	13	12	11	10	9	8
6LRH 25/02	3	2,2	6,4		30	29	28	27	26	24	23	21	18	16
6LRH 25/03	5,5	4	9,6		44	44	42	41	39	37	34	31	28	24
6LRH 25/04	7,5	5,5	13,6		59	58	56	54	52	49	45	41	37	32
6LRH 25/05	10	7,5	16,3		74	73	71	68	65	61	57	52	46	41
6LRH 25/06	10	7,5	16,3		89	87	85	82	78	73	68	62	55	49
6LRH 25/07	12,5	9,2	19,9		104	102	99	95	91	85	79	72	64	57
6LRH 25/08	12,5	9,2	19,9		118	116	113	109	104	98	90	82	74	65
6LRH 25/09	15	11	23,4		133	131	127	122	117	110	102	93	83	73
6LRH 25/10	17,5	13	27,3		148	145	141	136	130	122	113	103	92	81
6LRH 25/11	17,5	13	27,3		163	160	155	150	143	134	124	113	101	89
6LRH 25/12	20	15	31,5		178	174	169	163	156	146	136	124	110	97
6LRH 25/13	20	15	31,5		192	189	183	177	169	159	147	134	120	105
6LRH 25/14	25	18,5	38,3		207	203	197	190	182	171	158	144	129	113
6LRH 25/15	25	18,5	38,3		222	218	212	204	195	183	170	155	138	122
6LRH 25/16	25	18,5	38,3		237	232	226	218	208	195	181	165	147	130

Max Eff. %	78,5
Max kW / St.	1,15

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4,5	6,6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 25/01-4	4" NEMA	652	302	350	8,7	11
6LRH 25/02-4		789	369	420	12	15
6LRH 25/03-4		904	436	468	15,3	20
6LRH 25/04-4		1041	503	538	18,6	24
6LRH 25/05	6" NEMA	1271	570	701	55	28
6LRH 25/06		1338	637	701	55	32
6LRH 25/07		1455	704	751	60	36
6LRH 25/08		1522	771	751	60	40
6LRH 25/09		1649	838	811	65	44
6LRH 25/10		1746	905	841	70	49
6LRH 25/11		1813	972	841	70	53
6LRH 25/12		1970	1039	931	75	57
6LRH 25/13		2037	1106	931	75	61
6LRH 25/14		2164	1173	991	83	65
6LRH 25/15		2231	1240	991	83	69
6LRH 25/16		2298	1307	991	83	74

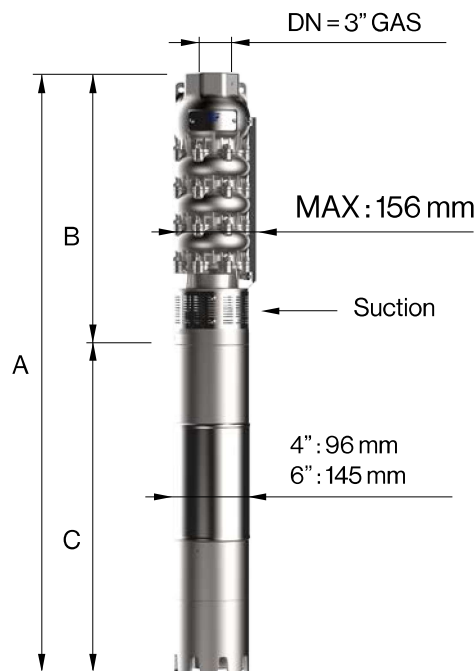


6LRH 25

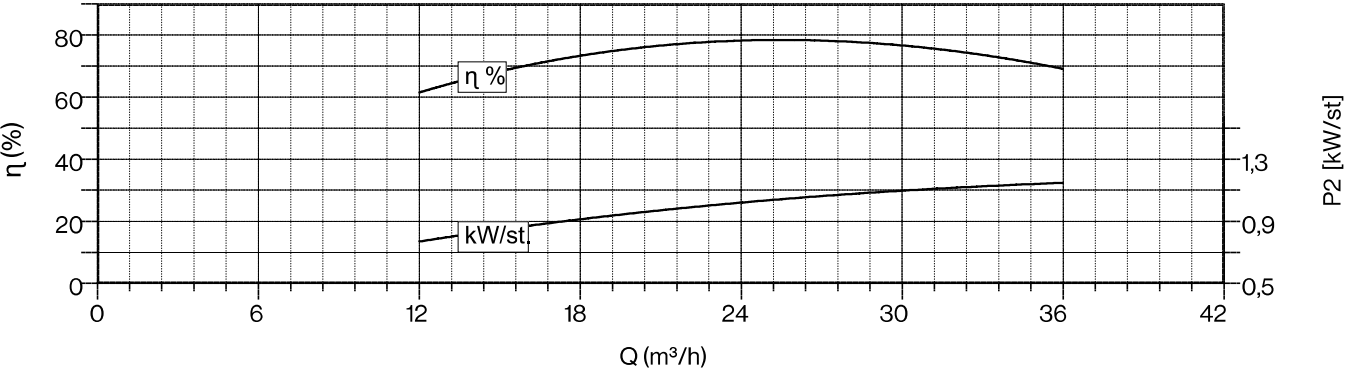
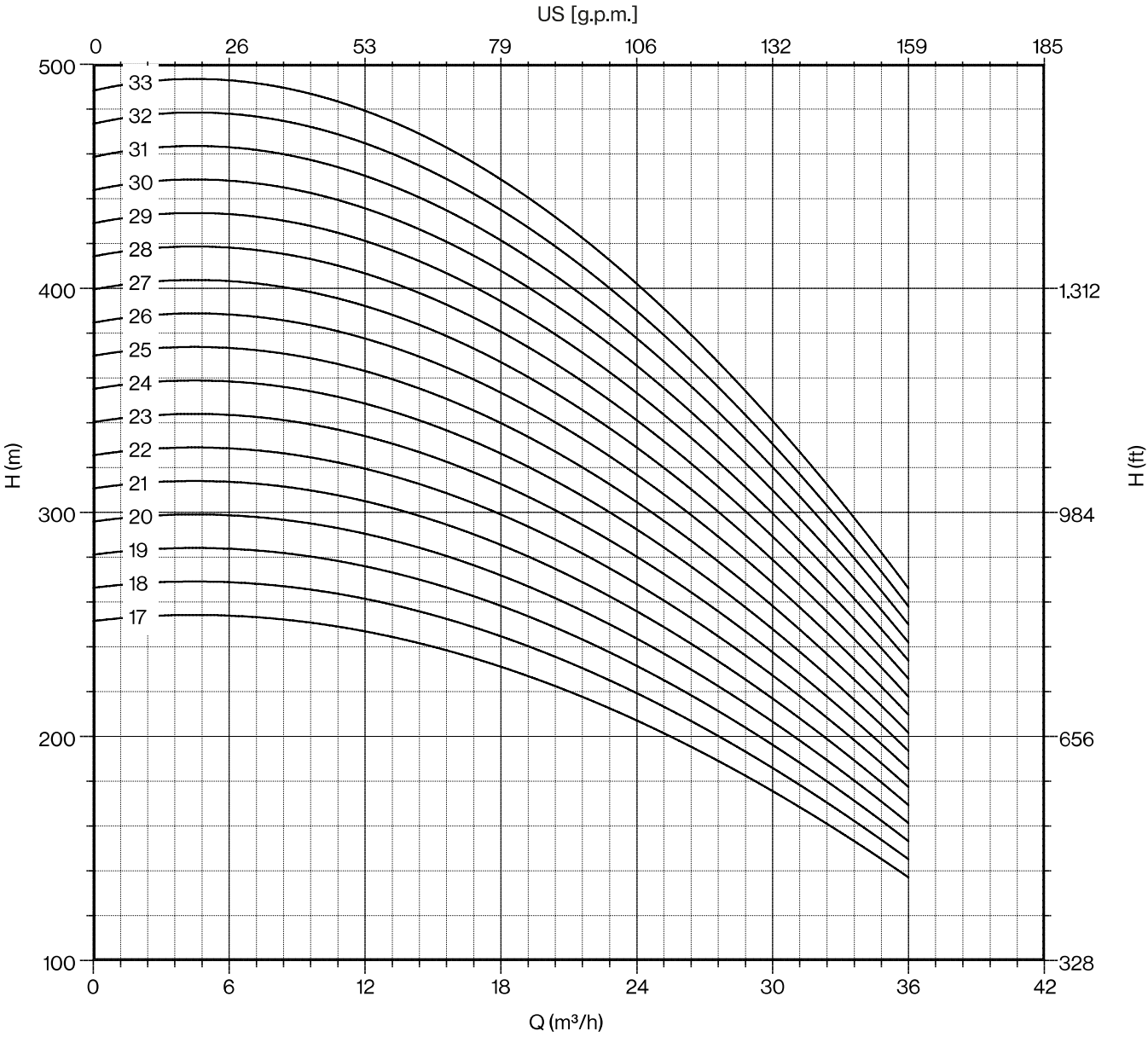
50 Hz - 2900 rpm				Q										
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	200	250	300	350	400	450	500	550	600	
	P2		CURRENT	I/sec	0,0	3,3	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0
	HP	kW	A	m³/h	0	12	15	18	21	24	27	30	33	36
6LRH 25/17	30	22	45,1	H (m)	252	247	240	231	221	207	192	175	156	138
6LRH 25/18	30	22	45,1		266	261	254	245	234	220	203	185	166	146
6LRH 25/19	30	22	45,1		281	276	268	258	247	232	215	196	175	154
6LRH 25/20	35	26	52,9		296	290	282	272	260	244	226	206	184	162
6LRH 25/21	35	26	52,9		311	305	296	286	273	256	237	216	193	170
6LRH 25/22	35	26	52,9		326	319	310	299	286	268	249	227	202	178
6LRH 25/23	35	26	52,9		340	334	324	313	299	281	260	237	212	186
6LRH 25/24	40	30	61,1		355	348	338	326	312	293	271	247	221	194
6LRH 25/25	40	30	61,1		370	363	353	340	325	305	283	258	230	203
6LRH 25/26	40	30	61,1		385	377	367	354	338	317	294	268	239	211
6LRH 25/27	50	37	75,8		400	392	381	367	351	329	305	278	248	219
6LRH 25/28	50	37	75,8		414	406	395	381	364	342	316	288	258	227
6LRH 25/29	50	37	75,8		429	421	409	394	377	354	328	299	267	235
6LRH 25/30	50	37	75,8		444	435	423	408	390	366	339	309	276	243
6LRH 25/31	50	37	75,8		459	450	437	422	403	378	350	319	285	251
6LRH 25/32	50	37	75,8		474	464	451	435	416	390	362	330	294	259
6LRH 25/33	50	37	75,8		488	479	465	449	429	403	373	340	304	267

Max Eff. %	78,5
Max kW / St.	1,15

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	4,5	6,6



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 25/17	6" NEMA	2445	1374	1071	92	78
6LRH 25/18		2512	1441	1071	92	82
6LRH 25/19		2579	1508	1071	92	86
6LRH 25/20		2756	1575	1181	100	90
6LRH 25/21		2823	1642	1181	100	94
6LRH 25/22		2890	1709	1181	100	98
6LRH 25/23		2957	1776	1181	100	103
6LRH 25/24		3094	1843	1251	108	107
6LRH 25/25		3161	1910	1251	108	111
6LRH 25/26		3228	1977	1251	108	115
6LRH 25/27		3385	2044	1341	118	119
6LRH 25/28		3452	2111	1341	118	123
6LRH 25/29		3519	2178	1341	118	127
6LRH 25/30		3586	2245	1341	118	132
6LRH 25/31		3653	2312	1341	118	136
6LRH 25/32		3720	2379	1341	118	140
6LRH 25/33		3787	2446	1341	118	144

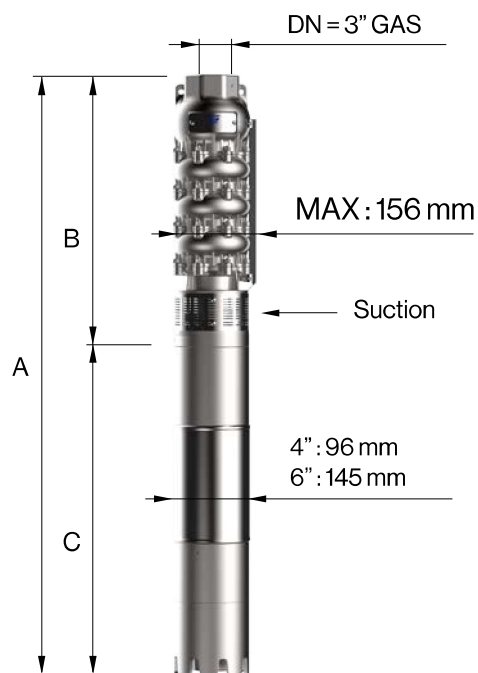


6LRH 32

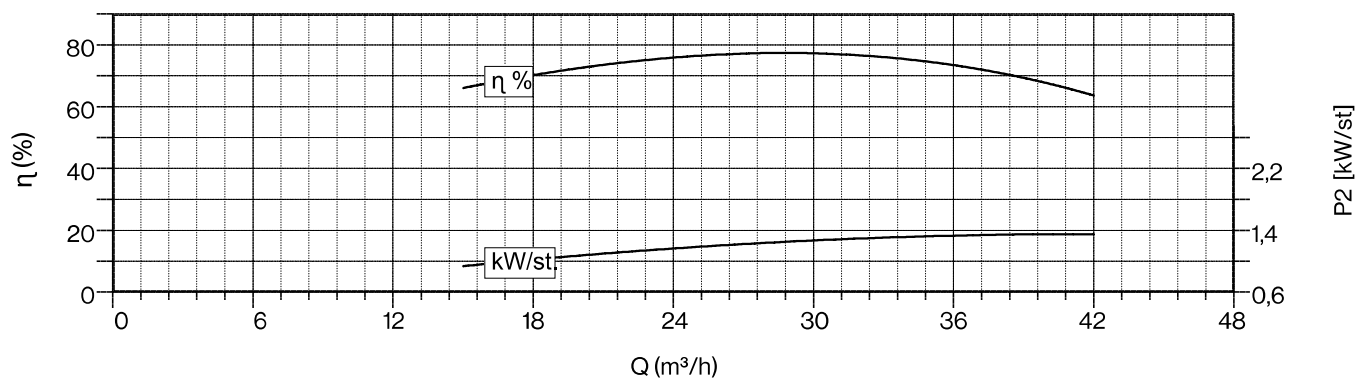
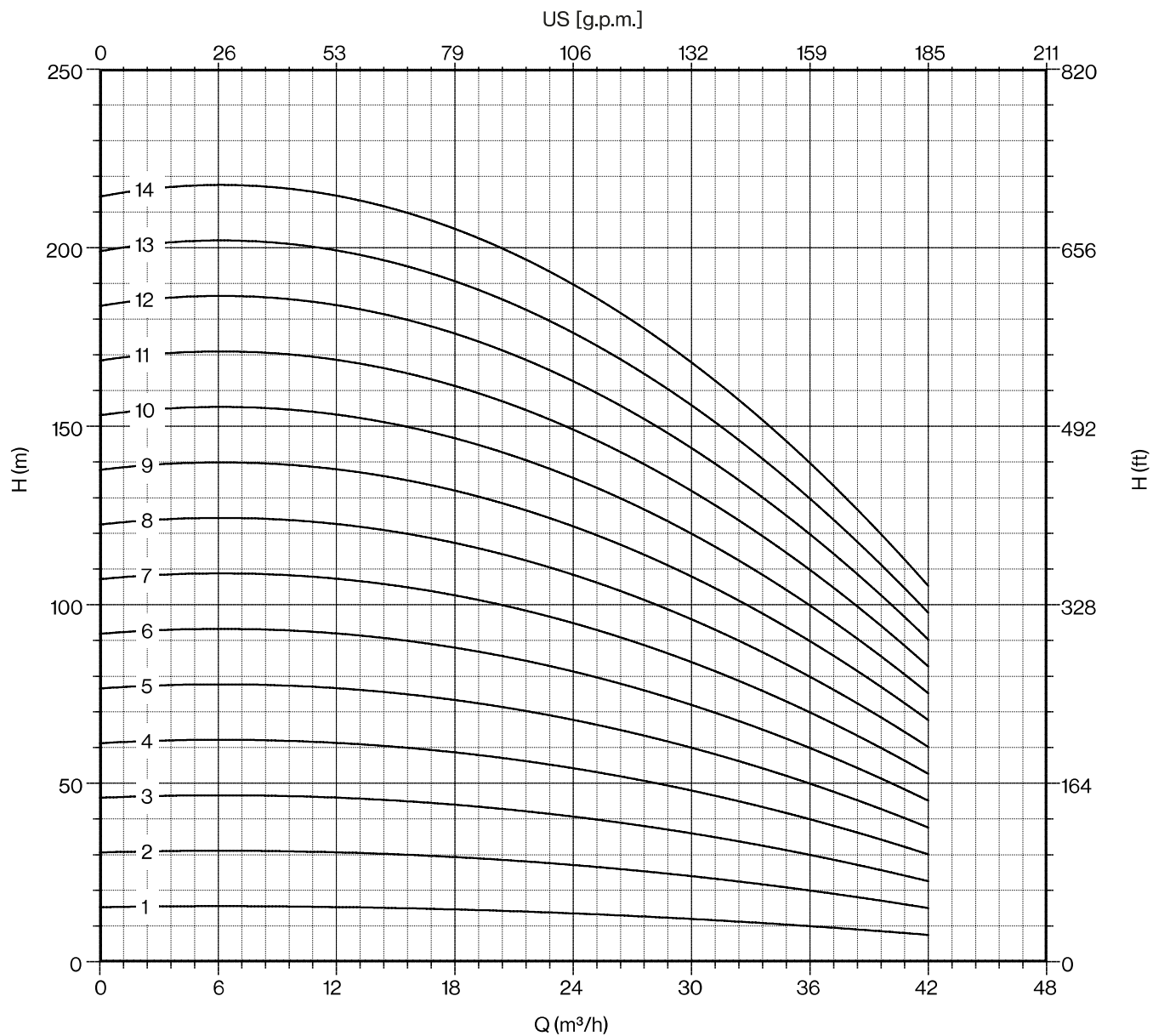
50 Hz - 2900 rpm				Q											
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	250	300	350	400	450	500	550	600	650	700	
	P2		CURRENT	I/sec	0,0	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7
	HP	kW	A	m³/h	0	15	18	21	24	27	30	33	36	39	42
6LRH 32/01	2	1,5	4,6	H (m)	15	15	15	14	14	13	12	11	10	9	8
6LRH 32/02	4	3	8,3		31	30	29	28	27	26	24	22	20	18	15
6LRH 32/03	5,5	4	9,6		46	45	44	42	41	38	36	33	30	26	23
6LRH 32/04	7,5	5,5	13,6		61	60	59	56	54	51	48	44	40	35	30
6LRH 32/05	10	7,5	16,3		77	76	74	71	68	64	60	56	50	44	38
6LRH 32/06	12,5	9,2	19,9		92	91	88	85	81	77	72	67	60	53	45
6LRH 32/07	12,5	9,2	19,9		107	106	103	99	95	90	84	78	70	62	53
6LRH 32/08	15	11	23,4		122	121	118	113	108	102	96	89	80	70	60
6LRH 32/09	17,5	13	27,3		138	136	132	127	122	115	108	100	90	79	68
6LRH 32/10	20	15	31,5		153	151	147	141	135	128	120	111	100	88	75
6LRH 32/11	20	15	31,5		168	166	162	155	149	141	132	122	110	97	83
6LRH 32/12	25	18,5	38,3		184	181	176	169	162	154	144	133	120	106	90
6LRH 32/13	25	18,5	38,3		199	196	191	183	176	166	156	144	130	114	98
6LRH 32/14	25	18,5	38,3		214	211	206	197	189	179	168	155	140	123	105

Max Eff. %	77,5
Max kW / St.	1,35

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,9	7,5



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 32/01-4	4" NEMA	687	302	385	10,4	11
6LRH 32/02-4		787	369	418	12,8	15
6LRH 32/03-4		904	436	468	15,3	20
6LRH 32/04-4		1041	503	538	18,6	24
6LRH 32/05	6" NEMA	1271	570	701	55	28
6LRH 32/06		1388	637	751	60	32
6LRH 32/07		1455	704	751	60	36
6LRH 32/08		1582	771	811	65	40
6LRH 32/09		1679	838	841	70	44
6LRH 32/10		1836	905	931	75	49
6LRH 32/11		1903	972	931	75	53
6LRH 32/12		2030	1039	991	83	57
6LRH 32/13		2097	1106	991	83	61
6LRH 32/14		2164	1173	991	83	65

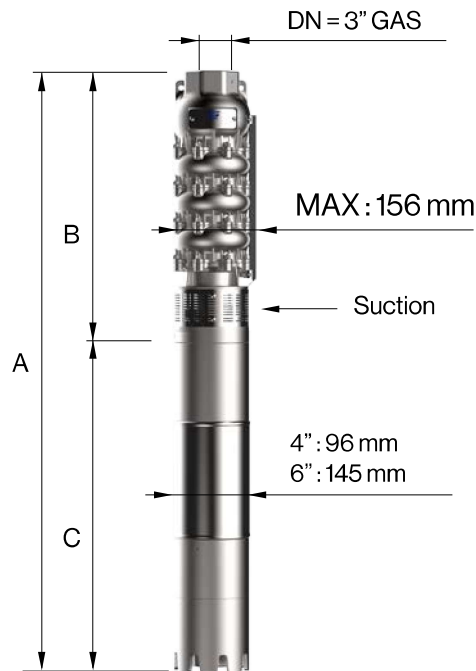


6LRH 32

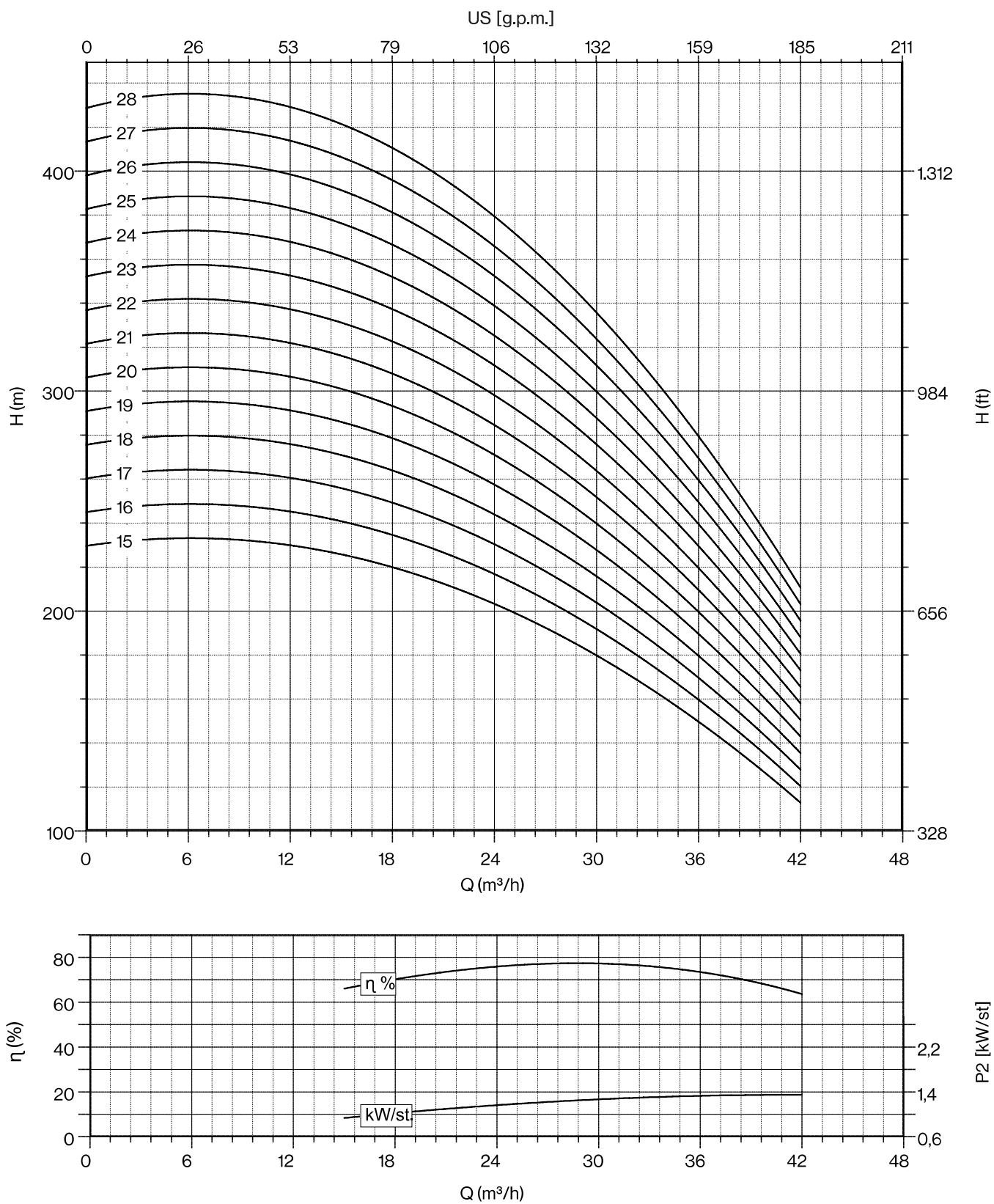
50 Hz - 2900 rpm				Q												
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	250	300	350	400	450	500	550	600	650	700	
	P2		CURRENT		I/sec	0,0	4,2	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7
	HP	kW	A		m³/h	0	15	18	21	24	27	30	33	36	39	42
6LRH 32/15	30	22	45,1	H (m)	230	227	221	212	203	192	180	167	150	132	113	
6LRH 32/16	30	22	45,1		245	242	235	226	216	205	192	178	160	141	120	
6LRH 32/17	35	26	52,9		260	257	250	240	230	218	204	189	170	150	128	
6LRH 32/18	35	26	52,9		275	272	265	254	243	230	216	200	180	158	135	
6LRH 32/19	35	26	52,9		291	287	279	268	257	243	228	211	190	167	143	
6LRH 32/20	40	30	61,1		306	302	294	282	270	256	240	222	200	176	150	
6LRH 32/21	40	30	61,1		321	317	309	296	284	269	252	233	210	185	158	
6LRH 32/22	40	30	61,1		337	332	323	310	297	282	264	244	220	194	165	
6LRH 32/23	50	37	75,8		352	347	338	324	311	294	276	255	230	202	173	
6LRH 32/24	50	37	75,8		367	362	353	338	324	307	288	266	240	211	180	
6LRH 32/25	50	37	75,8		383	378	368	353	338	320	300	278	250	220	188	
6LRH 32/26	50	37	75,8		398	393	382	367	351	333	312	289	260	229	195	
6LRH 32/27	50	37	75,8		413	408	397	381	365	346	324	300	270	238	203	
6LRH 32/28	50	37	75,8		428	423	412	395	378	358	336	311	280	246	210	

Max Eff. %	77,5
Max kW / St.	1,35

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,9	7,5



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LRH 32/15	6" NEMA	2311	1240	1071	92	69
6LRH 32/16		2378	1307	1071	92	74
6LRH 32/17		2555	1374	1181	100	78
6LRH 32/18		2622	1441	1181	100	82
6LRH 32/19		2689	1508	1181	100	86
6LRH 32/20		2826	1575	1251	108	90
6LRH 32/21		2893	1642	1251	108	94
6LRH 32/22		2960	1709	1251	108	98
6LRH 32/23		3117	1776	1341	118	103
6LRH 32/24		3184	1843	1341	118	107
6LRH 32/25		3251	1910	1341	118	111
6LRH 32/26		3318	1977	1341	118	115
6LRH 32/27		3385	2044	1341	118	119
6LRH 32/28		3452	2111	1341	118	123

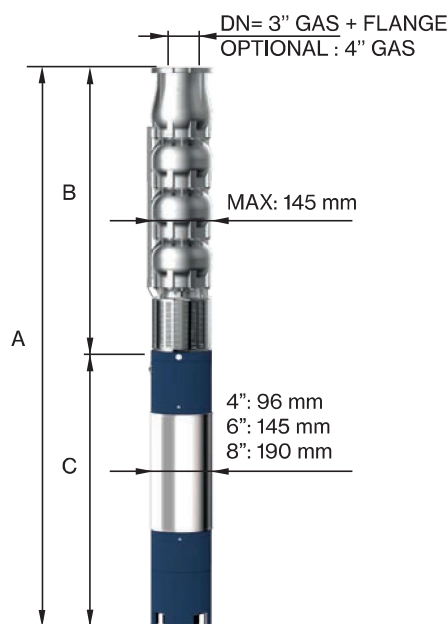


6LM 38

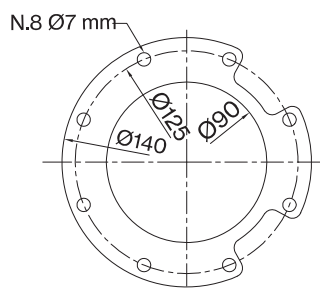
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	100	200	300	400	500	600	700	800	
	P2		CURRENT	I/sec	0	1,7	3,3	5,0	6,7	8,3	10,0	11,7	13,3
	HP	kW	A	m³/h	0	6	12	18	24	30	36	42	48
6LM 38/01	2	1,5	4,0	H (m)	14	14	13	13	12	11	10	9	7
6LM 38/02	4	3	7,5		29	27	26	25	24	23	20	17	14
6LM 38/03	5,5	4	10,0		43	41	39	38	36	34	31	26	20
6LM 38/04	7,5	5,5	12,5		57	55	52	51	48	45	41	35	27
6LM 38/05	10	7,5	16,3		71	69	65	64	60	56	51	44	34
6LM 38/06	12,5	9,2	19,9		86	82	78	76	72	68	61	52	41
6LM 38/07	15	11	23,4		100	96	91	89	84	79	71	61	48
6LM 38/08	15	11	23,4		114	110	104	102	96	90	81	70	55
6LM 38/09	17,5	13	27,3		129	123	117	114	108	102	92	78	61
6LM 38/10	20	15	31,5		143	137	130	127	120	113	102	87	68
6LM 38/11	20	15	31,5		157	151	143	140	132	124	112	96	75
6LM 38/12	25	18,5	38,3		172	164	156	152	144	136	122	104	82
6LM 38/13	25	18,5	38,3		186	178	169	165	156	147	132	113	89
6LM 38/14	30	22	45,1		200	192	182	178	168	158	143	122	95
6LM 38/15	30	22	45,1		214	206	195	191	180	169	153	131	102
6LM 38/16	30	22	45,1		229	219	208	203	192	181	163	139	109

Max Eff. %	76
Max kW / St.	1,33

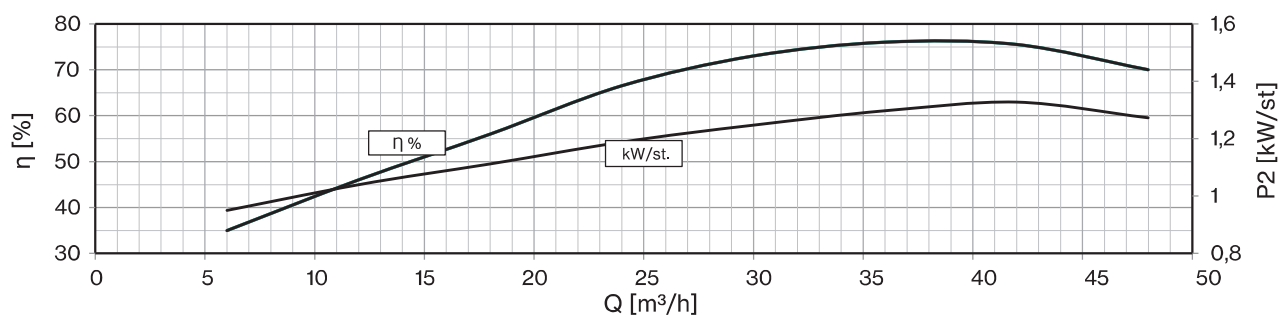
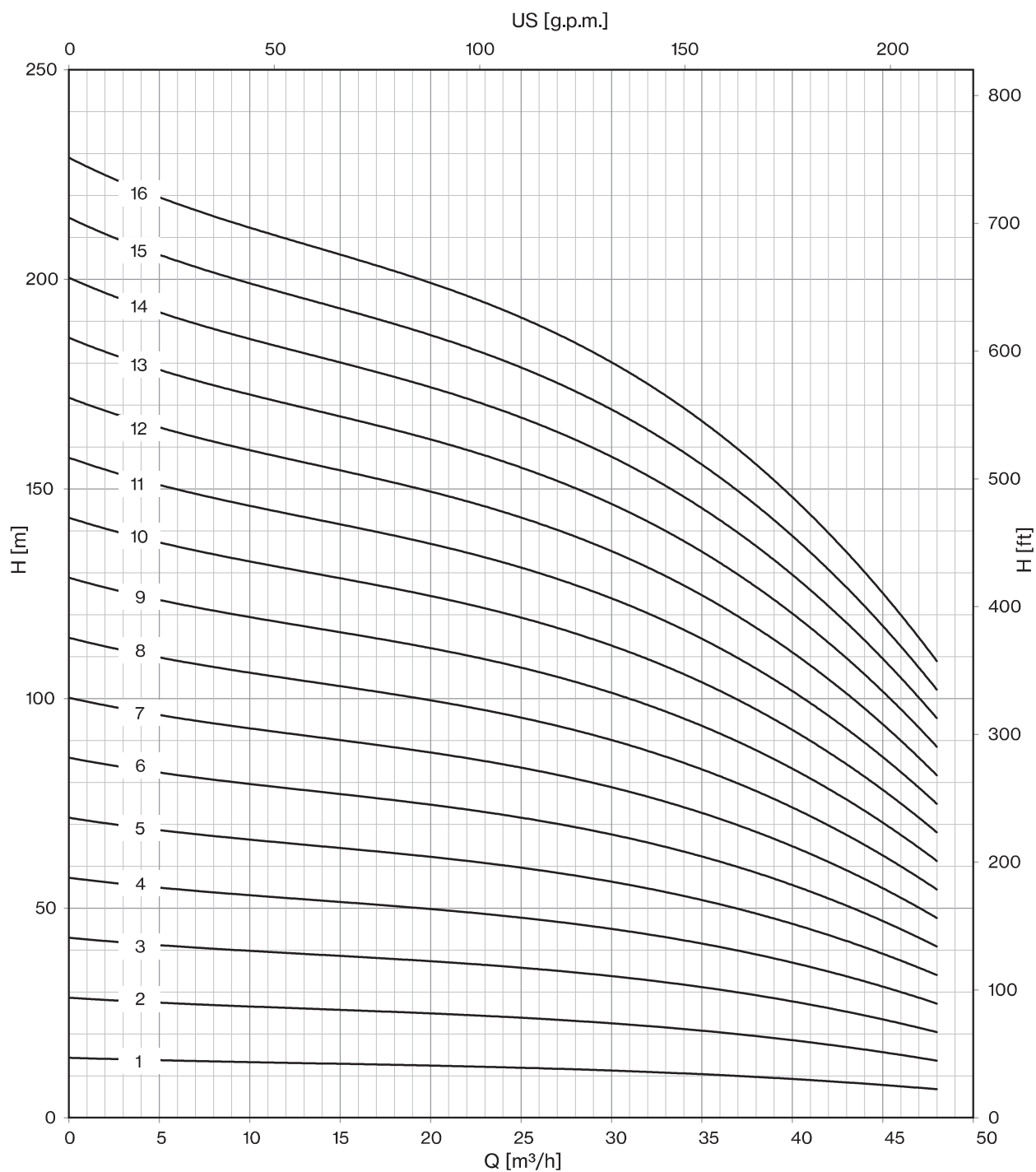
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,8	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 38/01-4	4" NEMA	746	354	392	13	8
6LM 38/02-4		1012	455	557	19	12
6LM 38/03-4		1153	556	597	22	15
6LM 38/04-4		1355	657	698	27	19
6LM 38/05-4		1499	798	701	55	23
6LM 38/06	6" NEMA	1650	899	751	60	26
6LM 38/07		1811	1000	811	65	30
6LM 38/08		1912	1101	811	65	33
6LM 38/09		2043	1202	841	70	37
6LM 38/10		2234	1303	931	75	41
6LM 38/11		2335	1404	931	75	44
6LM 38/12		2496	1505	991	83	48
6LM 38/13		2597	1606	991	83	51
6LM 38/14		2778	1707	1071	92	55
6LM 38/15		2879	1808	1071	92	59
6LM 38/16		2980	1909	1071	92	62



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

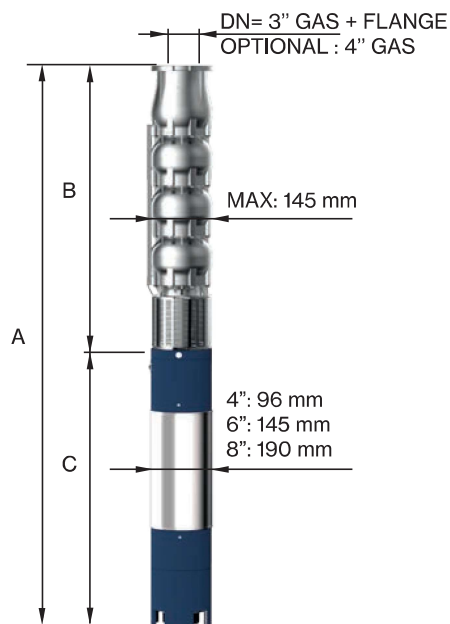


6LM 38

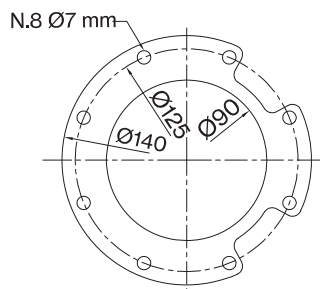
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	100	200	300	400	500	600	700	800
	P2		CURRENT		0	1,7	3,3	5,0	6,7	8,3	10,0	11,7	13,3
	HP	kW	A		0	6	12	18	24	30	36	42	48
6LM 38/17	35	26	52,9	H (m)	243	233	221	216	204	192	173	148	116
6LM 38/18	35	26	52,9		257	247	234	229	216	203	183	157	123
6LM 38/19	35	26	52,9		272	260	247	241	228	215	194	165	129
6LM 38/20	40	30	61,1		286	274	260	254	240	226	204	174	136
6LM 38/21	40	30	61,1		300	288	273	267	252	237	214	183	143
6LM 38/22	40	30	61,1		315	301	286	279	264	249	224	191	150
6LM 38/23	50	37	75,8		329	315	299	292	276	260	234	200	157
6LM 38/24	50	37	75,8		343	329	312	305	288	271	244	209	164
6LM 38/25	50	37	75,8		357	343	325	318	300	282	255	218	170
6LM 38/26	50	37	75,8		372	356	338	330	312	294	265	226	177
6LM 38/27	50	37	75,8		386	370	351	343	324	305	275	235	184
6LM 38/28	60	45	86,3		400	384	364	356	336	316	285	244	191
6LM 38/29	60	45	86,3		415	397	377	368	348	328	295	252	198
6LM 38/30	60	45	86,3		429	411	390	381	360	339	306	261	204
6LM 38/31	60	45	86,3		443	425	403	394	372	350	316	270	211
6LM 38/32	60	45	86,3		457	438	416	407	384	361	326	279	218
6LM 38/33	60	45	86,3		472	452	429	419	396	373	336	287	225

Max Eff. %	76
Max kW / St.	1,33

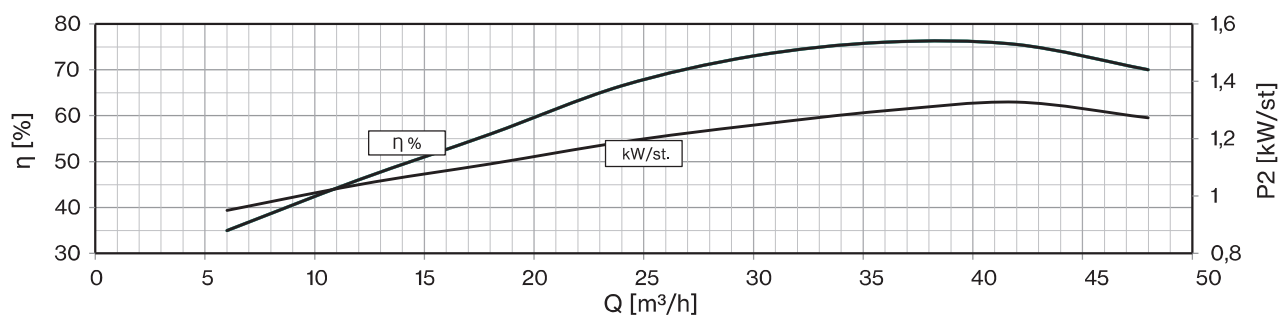
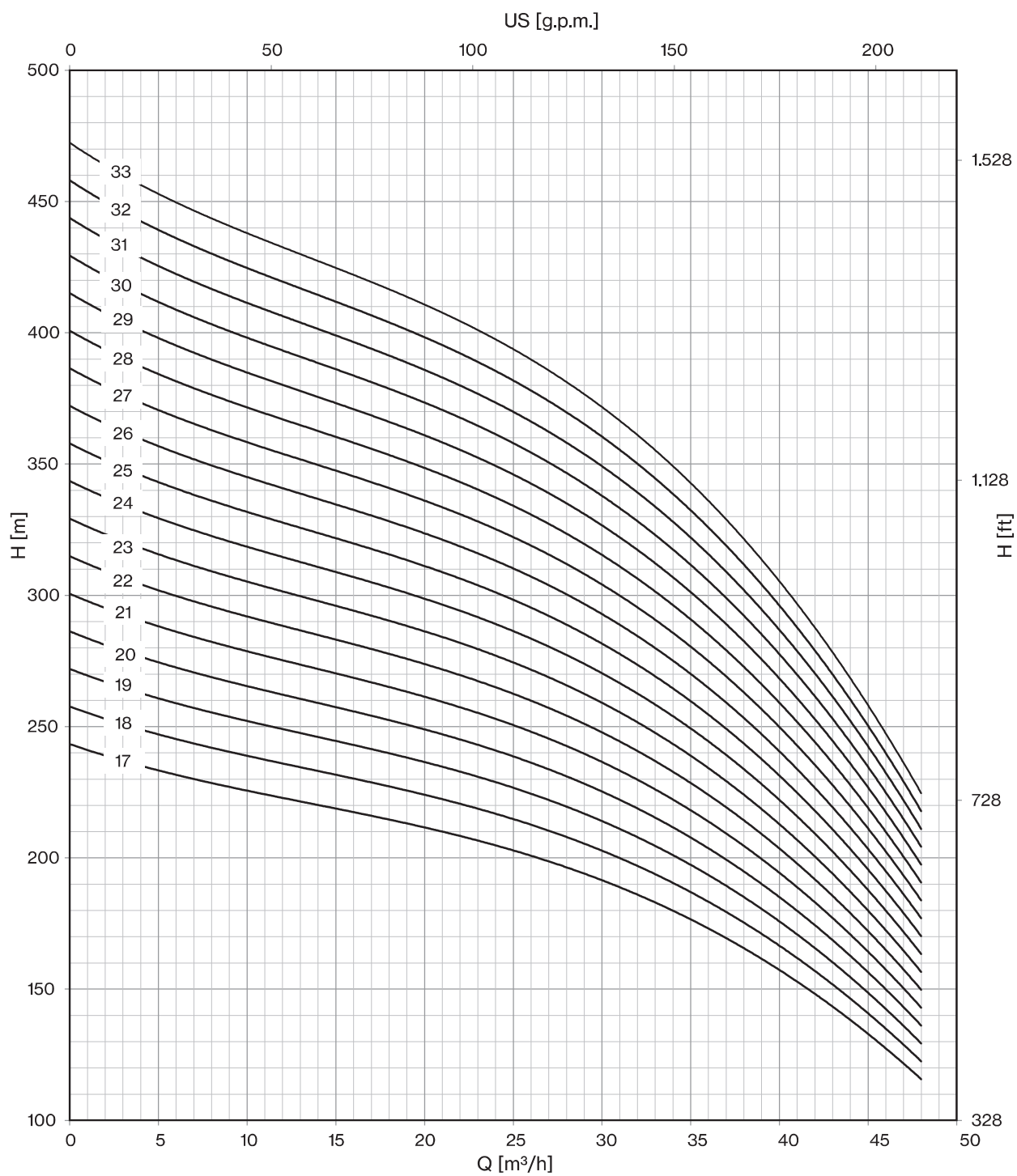
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	3,4	3,8	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 38/17	6" NEMA	3191	2010	1181	100	66
6LM 38/18		3292	2111	1181	100	69
6LM 38/19		3393	2212	1181	100	73
6LM 38/20		3564	2313	1251	108	77
6LM 38/21		3665	2414	1251	108	80
6LM 38/22		3766	2515	1251	108	84
6LM 38/23		3957	2616	1341	118	87
6LM 38/24		4058	2717	1341	118	91
6LM 38/25		4159	2818	1341	118	95
6LM 38/26		4260	2919	1341	118	98
6LM 38/27		4361	3020	1341	118	102
6LM 38/28		4311	3188	1123	178	109
6LM 38/29		4412	3289	1123	178	113
6LM 38/30		4513	3390	1123	178	116
6LM 38/31		4614	3491	1123	178	120
6LM 38/32		4715	3592	1123	178	124
6LM 38/33		4816	3693	1123	178	127



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

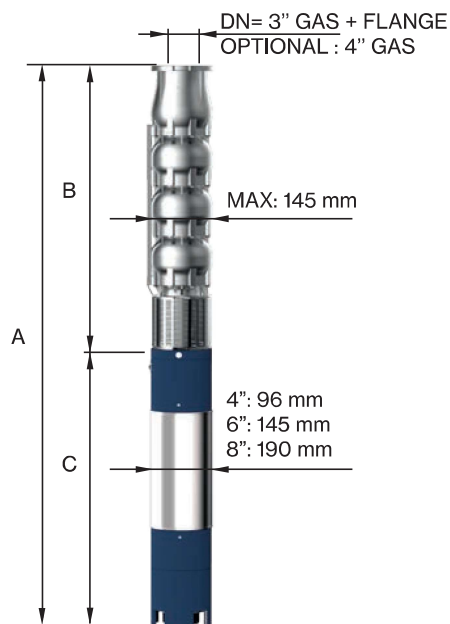


6LM 48

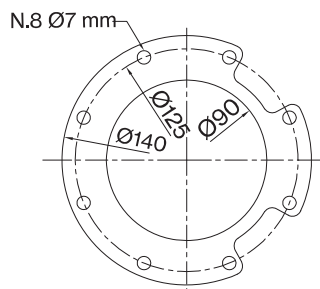
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	200	400	500	600	700	800	900	1000	
	P2		CURRENT	I/sec	0	3,3	6,7	8,3	10,0	11,7	13,3	15,0	16,7
	HP	kW	A	m³/h	0	12	24	30	36	42	48	54	60
6LM 48/01	2	1,5	4,0	H (m)	14	14	11	11	11	10	9	7	6
6LM 48/02	4	3	7,5		28	27	23	22	21	20	18	15	13
6LM 48/03	7,5	5,5	12,5		42	41	34	33	32	29	26	22	19
6LM 48/04	10	7,5	16,3		56	54	46	44	42	39	35	30	26
6LM 48/05	10	7,5	16,3		70	68	57	56	53	49	44	37	32
6LM 48/06	12,5	9,2	19,9		84	81	68	67	64	59	53	44	38
6LM 48/07	15	11	23,4		98	95	80	78	74	69	62	52	45
6LM 48/08	17,5	13	27,3		112	108	91	89	85	78	70	59	51
6LM 48/09	17,5	13	27,3		126	122	103	100	95	88	79	67	58
6LM 48/10	20	15	31,5		140	135	114	111	106	98	88	74	64
6LM 48/11	25	18,5	38,3		154	149	125	122	117	108	97	81	70
6LM 48/12	25	18,5	38,3		168	162	137	133	127	118	106	89	77
6LM 48/13	30	22	45,1		182	176	148	144	138	127	114	96	83
6LM 48/14	30	22	45,1		196	189	160	155	148	137	123	104	90
6LM 48/15	30	22	45,1		210	203	171	167	159	147	132	111	96
6LM 48/16	35	26	52,9		224	216	182	178	170	157	141	118	102

Max Eff. %	78,5
Max kW / St.	1,44

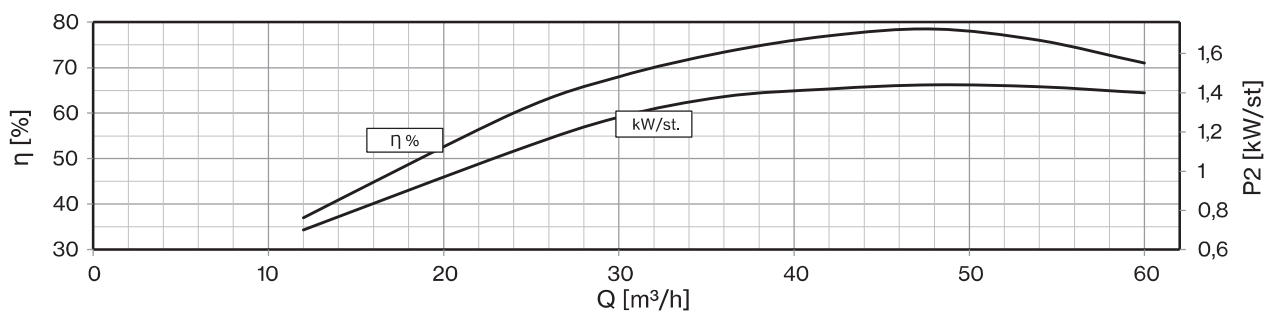
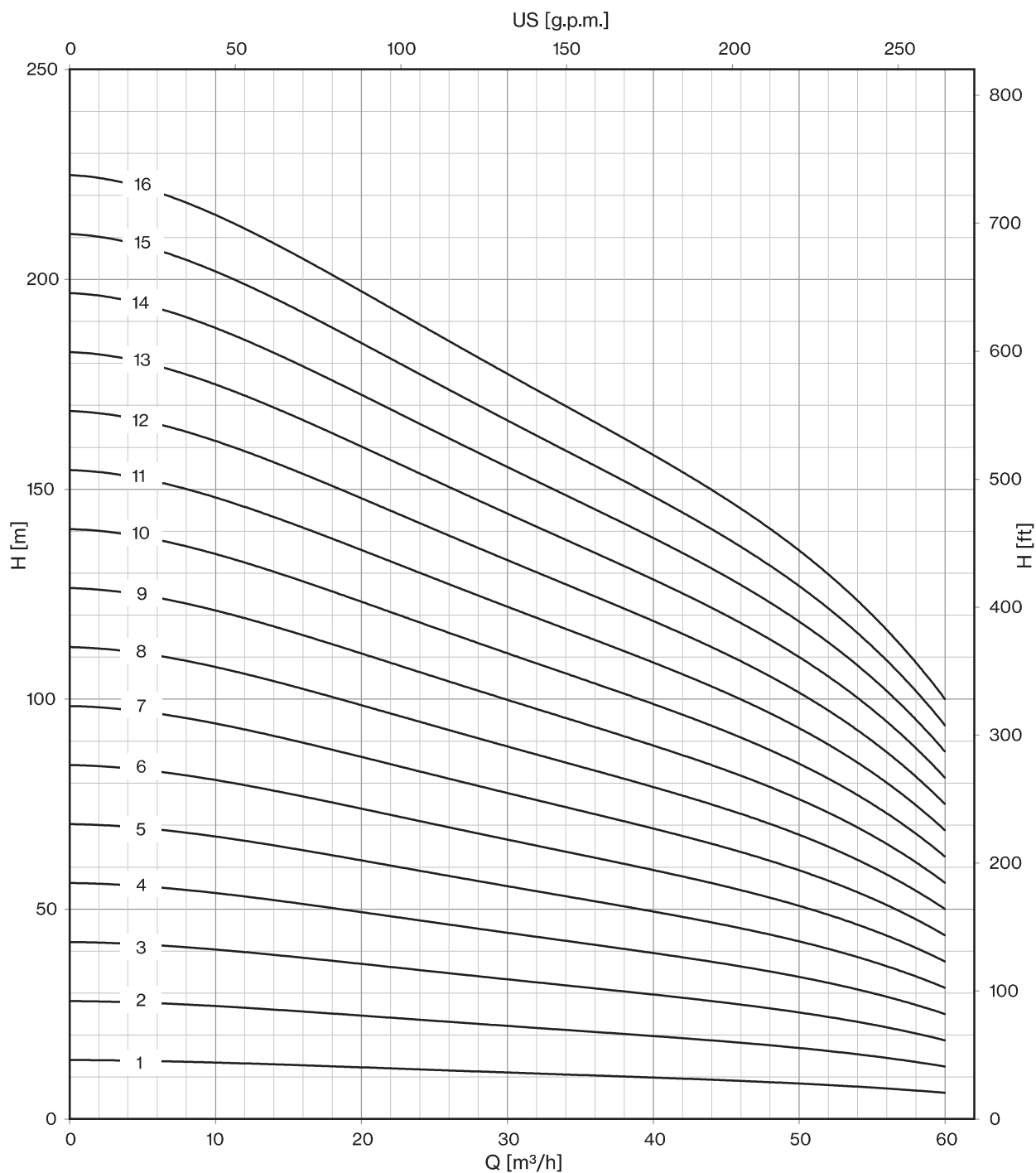
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,45	3,5	3,8	5



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 48/01-4	4" NEMA	746	354	392	13	8
6LM 48/02-4		1012	455	557	19	12
6LM 48/03-4		1254	556	698	27	15
6LM 48/04		1358	657	701	55	19
6LM 48/05	6" NEMA	1499	798	701	55	23
6LM 48/06		1650	899	751	60	26
6LM 48/07		1811	1000	811	65	30
6LM 48/08		1942	1101	841	70	33
6LM 48/09		2043	1202	841	70	37
6LM 48/10		2234	1303	931	75	41
6LM 48/11		2395	1404	991	83	44
6LM 48/12		2496	1505	991	83	48
6LM 48/13		2677	1606	1071	92	51
6LM 48/14		2778	1707	1071	92	55
6LM 48/15		2879	1808	1071	92	59
6LM 48/16		3090	1909	1181	100	62



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

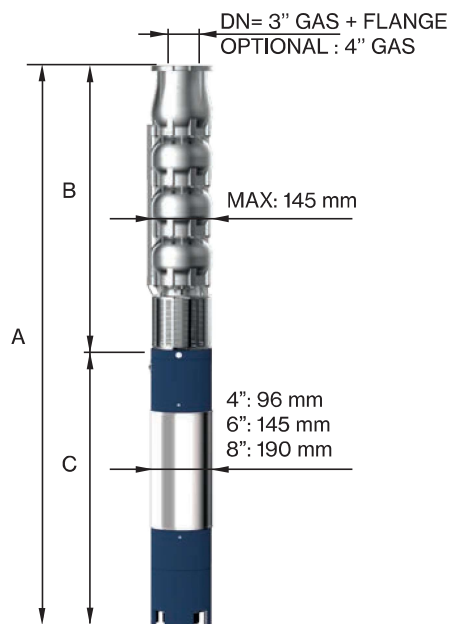


6LM 48

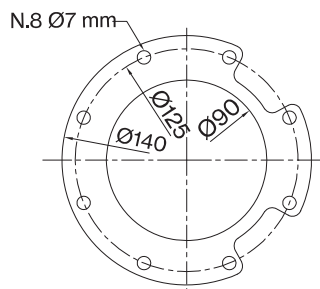
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	I/sec	0	200	400	500	600	700	800	900	1000
	P2		CURRENT		0	3,3	6,7	8,3	10,0	11,7	13,3	15,0	16,7
	HP	kW	A		0	12	24	30	36	42	48	54	60
6LM 48/17	35	26	52,9	H (m)	238	230	194	189	180	167	150	126	109
6LM 48/18	35	26	52,9		252	243	205	200	191	176	158	133	115
6LM 48/19	40	30	61,1		266	257	217	211	201	186	167	141	122
6LM 48/20	40	30	61,1		280	270	228	222	212	196	176	148	128
6LM 48/21	50	37	75,8		294	284	239	233	223	206	185	155	134
6LM 48/22	50	37	75,8		308	297	251	244	233	216	194	163	141
6LM 48/23	50	37	75,8		322	311	262	255	244	225	202	170	147
6LM 48/24	50	37	75,8		336	324	274	266	254	235	211	178	154
6LM 48/25	50	37	75,8		350	338	285	278	265	245	220	185	160
6LM 48/26	60	45	86,3		364	351	296	289	276	255	229	192	166
6LM 48/27	60	45	86,3		378	365	308	300	286	265	238	200	173
6LM 48/28	60	45	86,3		392	378	319	311	297	274	246	207	179
6LM 48/29	60	45	86,3		406	392	331	322	307	284	255	215	186
6LM 48/30	60	45	86,3		420	405	342	333	318	294	264	222	192

Max Eff. %	78,5
Max kW / St.	1,44

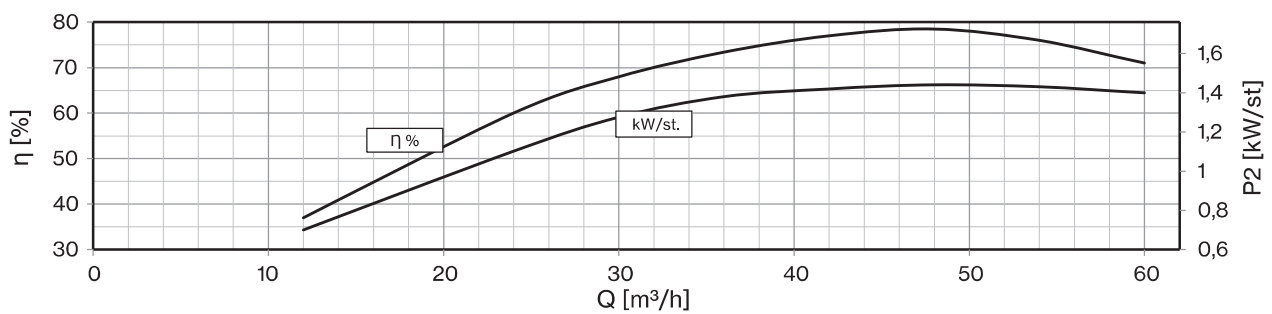
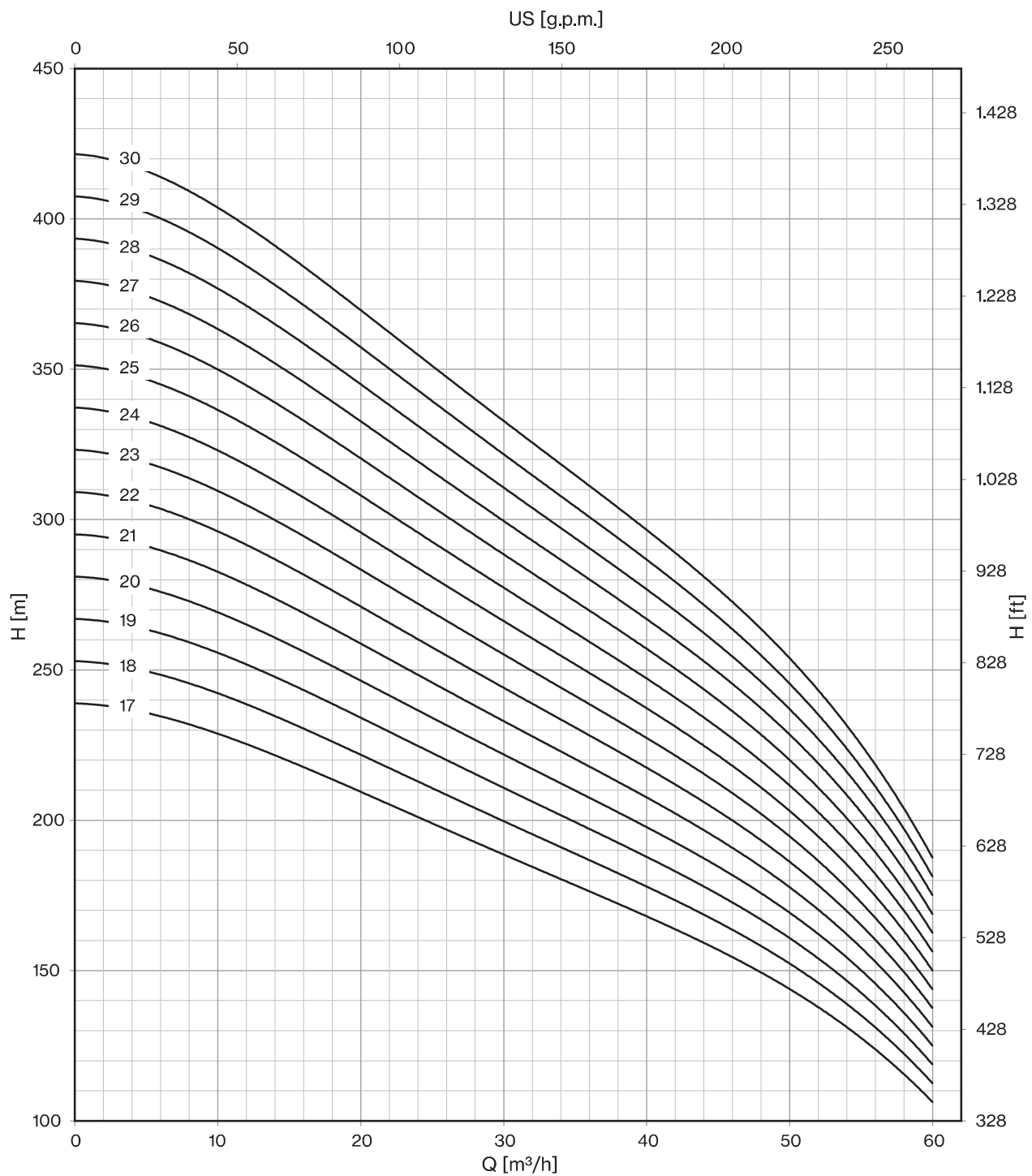
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,45	3,5	3,8	5



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 48/17	6" NEMA	3191	2010	1181	100	66
6LM 48/18		3292	2111	1181	100	69
6LM 48/19		3463	2212	1251	108	73
6LM 48/20		3564	2313	1251	108	77
6LM 48/21		3755	2414	1341	118	80
6LM 48/22		3856	2515	1341	118	84
6LM 48/23		3957	2616	1341	118	87
6LM 48/24		4058	2717	1341	118	91
6LM 48/25		4159	2818	1341	118	95
6LM 48/26		4109	2986	1123	178	102
6LM 48/27		4210	3087	1123	178	106
6LM 48/28		4311	3188	1123	178	109
6LM 48/29		4412	3289	1123	178	113
6LM 48/30		4513	3390	1123	178	116



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

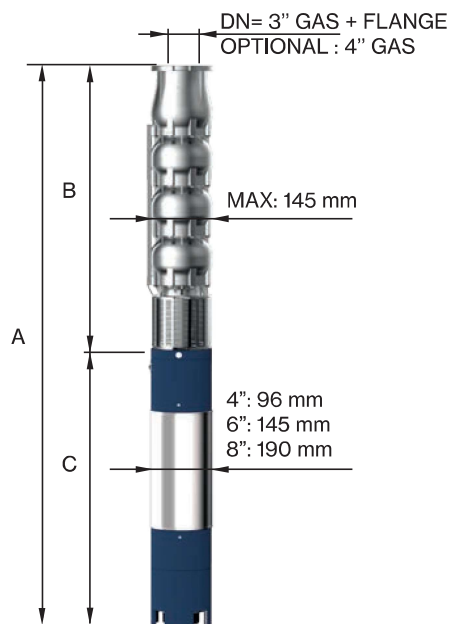


6LM 60

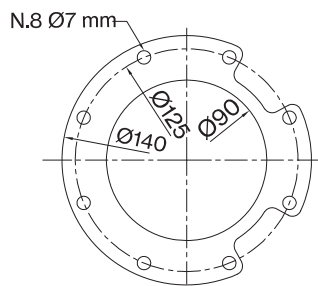
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	300	600	700	800	900	1000	1100	1200	
	P2		CURRENT	I/sec	0	5,0	10,0	11,7	13,3	15,0	16,7	18,3	20,0
	HP	kW	A	m³/h	0	18	36	42	48	54	60	66	72
6LM 60/01	3	2	5,50	H (m)	14	12	10	10	9	9	8	7	6
6LM 60/02	5,5	4	10,00		27	25	21	19	18	17	16	14	12
6LM 60/03	7,5	5,5	12,50		41	37	31	29	27	26	23	21	18
6LM 60/04	10	7,5	16,30		55	49	41	38	36	34	31	28	24
6LM 60/05	12,5	9,2	19,90		69	62	52	48	46	43	39	35	30
6LM 60/06	15	11	23,40		82	74	62	58	55	51	47	41	36
6LM 60/07	17,5	13	27,30		96	86	72	67	64	60	55	48	42
6LM 60/08	20	15	31,50		110	98	82	77	73	68	62	55	48
6LM 60/09	20	15	31,50		123	111	93	86	82	77	70	62	54
6LM 60/10	25	18,5	38,30		137	123	103	96	91	85	78	69	60
6LM 60/11	25	18,5	38,30		151	135	113	106	100	94	86	76	66
6LM 60/12	30	22	45,10		164	148	124	115	109	102	94	83	72
6LM 60/13	30	22	45,10		178	160	134	125	118	111	101	90	78
6LM 60/14	35	26	52,90		192	172	144	134	127	119	109	97	84
6LM 60/15	35	26	52,90		206	185	155	144	137	128	117	104	90
6LM 60/16	40	30	61,10		219	197	165	154	146	136	125	110	96

Max Eff. %	77
Max kW / St.	1,65

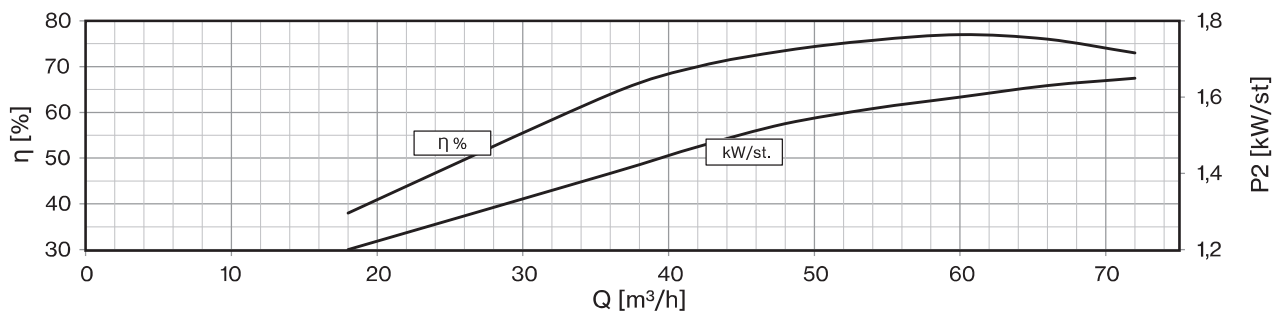
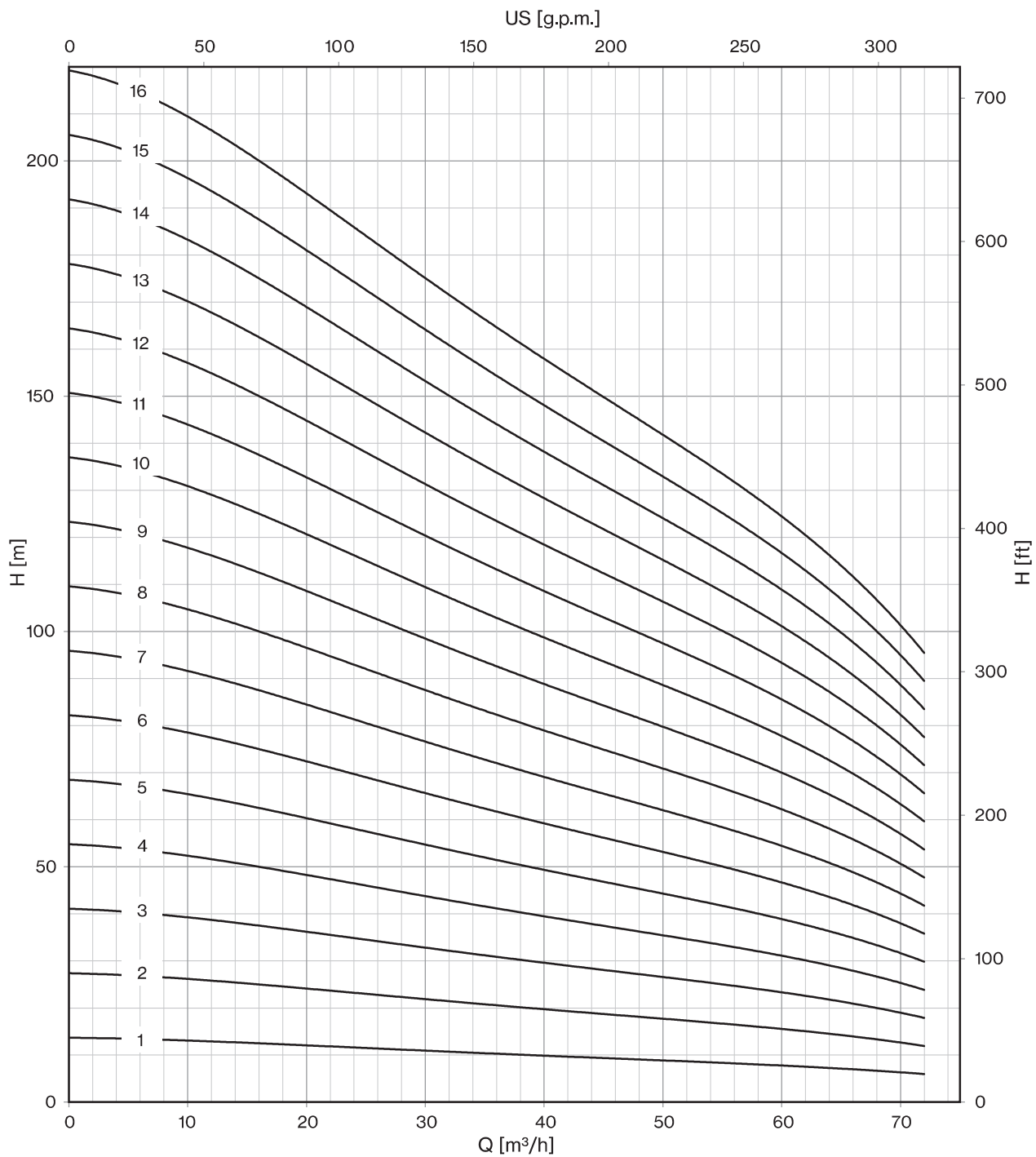
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 60/01-4	4" NEMA	812	360	452	15	8
6LM 60/02-4		1064	467	597	22	12
6LM 60/03-4		1272	574	698	27	16
6LM 60/04		1422	721	701	55	20
6LM 60/05	6" NEMA	1579	828	751	60	24
6LM 60/06		1746	935	811	65	27
6LM 60/07		1883	1042	841	70	31
6LM 60/08		2080	1149	931	75	35
6LM 60/09		2187	1256	931	75	39
6LM 60/10		2354	1363	991	83	43
6LM 60/11		2461	1470	991	83	46
6LM 60/12		2648	1577	1071	92	50
6LM 60/13		2755	1684	1071	92	54
6LM 60/14		2972	1791	1181	100	58
6LM 60/15		3079	1898	1181	100	62
6LM 60/16		3256	2005	1251	108	65



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

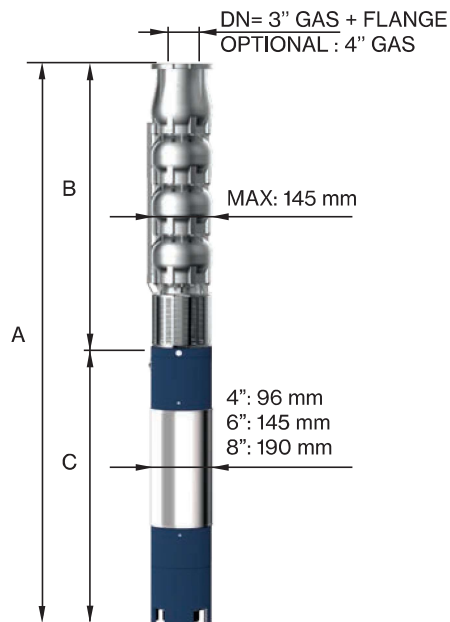


6LM 60

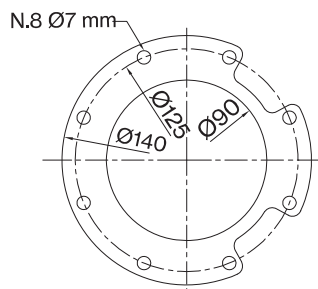
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	300	600	700	800	900	1000	1100	1200
	P2		CURRENT		0	5,0	10,0	11,7	13,3	15,0	16,7	18,3	20,0
	HP	kW	A		0	18	36	42	48	54	60	66	72
6LM 60/17	40	30	61,1		233	209	175	163	155	145	133	117	102
6LM 60/18	40	30	61,1		247	221	185	173	164	153	140	124	108
6LM 60/19	50	37	75,8		260	234	196	182	173	162	148	131	114
6LM 60/20	50	37	75,8		274	246	206	192	182	170	156	138	120
6LM 60/21	50	37	75,8		288	258	216	202	191	179	164	145	126
6LM 60/22	50	37	75,8		301	271	227	211	200	187	172	152	132
6LM 60/23	60	45	86,3		315	283	237	221	209	196	179	159	138
6LM 60/24	60	45	86,3		329	295	247	230	218	204	187	166	144
6LM 60/25	60	45	86,3		343	308	258	240	228	213	195	173	150
6LM 60/26	60	45	86,3		356	320	268	250	237	221	203	179	156
6LM 60/27	60	45	86,3		370	332	278	259	246	230	211	186	162
6LM 60/28	75	55	106,2		384	344	288	269	255	238	218	193	168
6LM 60/29	75	55	106,2		397	357	299	278	264	247	226	200	174
6LM 60/30	75	55	106,2		411	369	309	288	273	255	234	207	180
6LM 60/31	75	55	106,2		425	381	319	298	282	264	242	214	186
6LM 60/32	75	55	106,2		438	394	330	307	291	272	250	221	192
6LM 60/33	75	55	106,2		452	406	340	317	300	281	257	228	198

Max Eff. %	77
Max kW / St.	1,65

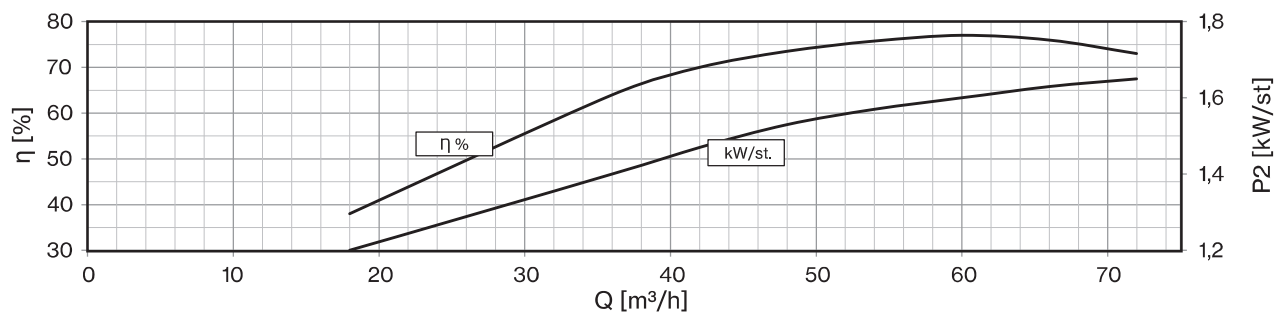
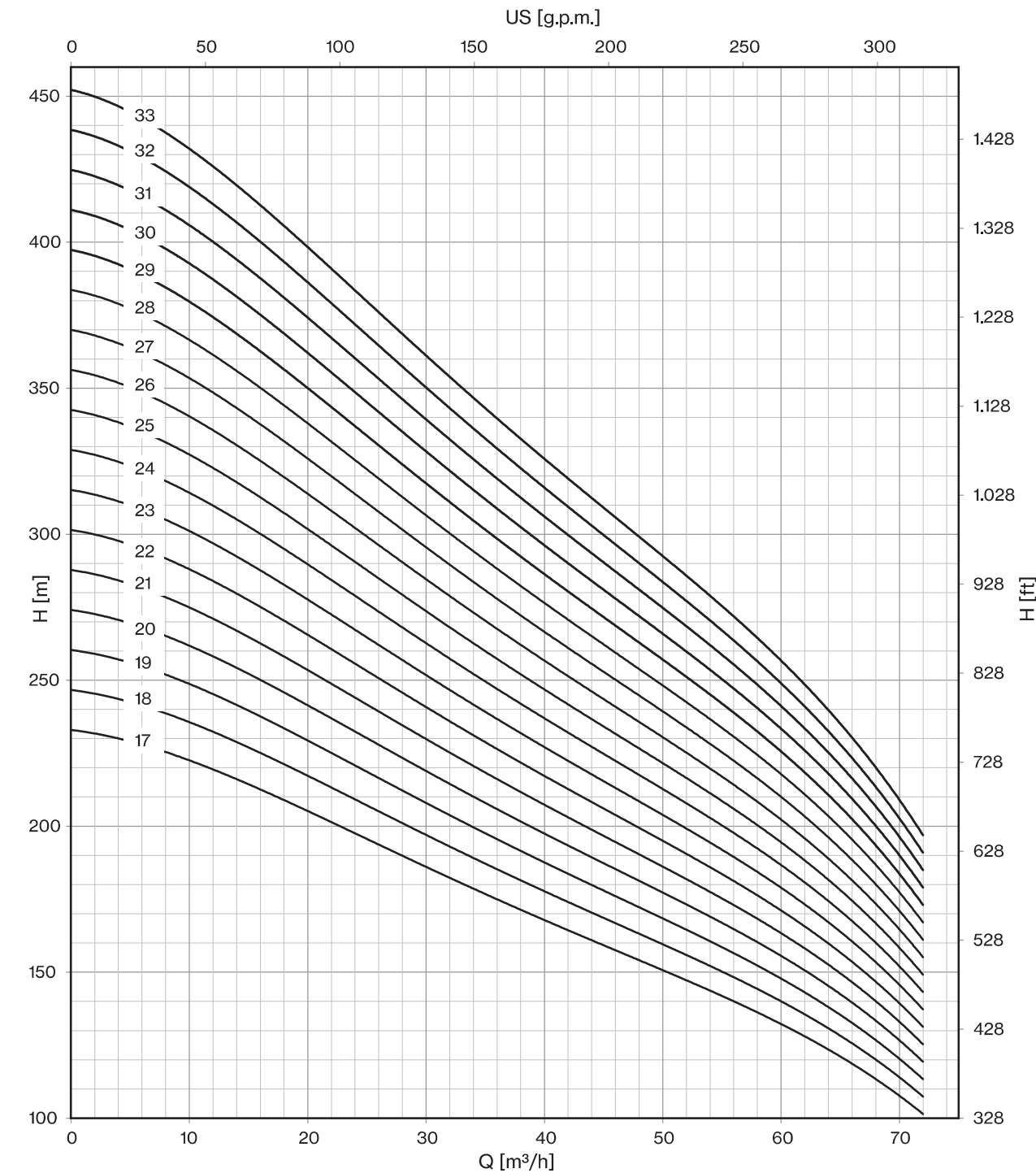
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 60/17	6" NEMA	3363	2112	1251	108	69
6LM 60/18		3470	2219	1251	108	73
6LM 60/19		3667	2326	1341	118	77
6LM 60/20		3774	2433	1341	118	81
6LM 60/21		3881	2540	1341	118	84
6LM 60/22		3988	2647	1341	118	88
6LM 60/23		3944	2821	1123	178	96
6LM 60/24		4051	2928	1123	178	100
6LM 60/25		4158	3035	1123	178	103
6LM 60/26		4265	3142	1123	178	107
6LM 60/27		4372	3249	1123	178	111
6LM 60/28		4589	3356	1233	200	115
6LM 60/29		4696	3463	1233	200	119
6LM 60/30		4803	3570	1233	200	122
6LM 60/31		4910	3677	1233	200	126
6LM 60/32		5017	3784	1233	200	130
6LM 60/33		5124	3891	1233	200	134



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

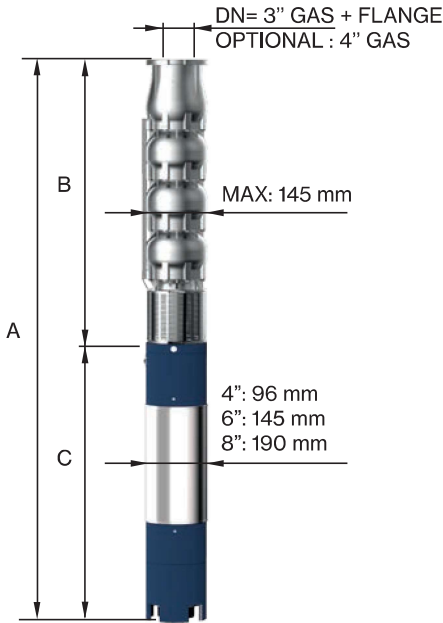


6LM 70

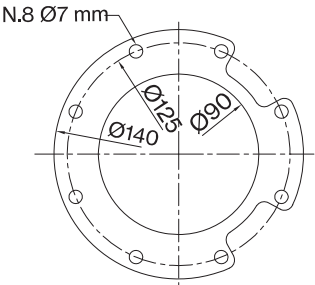
50 Hz - 2900 rpm					Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	300	900	1000	1100	1200	1300	1400	1500	
	P2		CURRENT		I/sec	0	5,0	15,0	16,7	18,3	20,0	21,7	23,3	25,0
	HP	kW	A		m³/h	0	18	54	60	66	72	78	84	90
6LM 70/01	3	2,2	5,5	H (m)	13	12	10	9	9	9	8	7	6	
6LM 70/02	7,5	5,5	12,5		26	24	19	19	18	17	15	13	11	
6LM 70/03	10	7,5	16,3		39	36	29	28	27	26	23	20	17	
6LM 70/04	12,5	9,2	19,9		52	48	38	38	36	34	30	26	22	
6LM 70/05	15	11	23,4		66	61	48	47	46	43	38	33	28	
6LM 70/06	20	15	31,5		79	73	57	56	55	51	46	40	34	
6LM 70/07	25	18,5	38,3		92	85	67	66	64	60	53	46	39	
6LM 70/08	25	18,5	38,3		105	97	76	75	73	68	61	53	45	
6LM 70/09	30	22	45,1		118	109	86	85	82	77	68	59	50	
6LM 70/10	30	22	45,1		131	121	96	94	91	85	76	66	56	
6LM 70/11	35	26	52,9		144	133	105	103	100	94	84	73	62	
6LM 70/12	40	30	61,1		157	145	115	113	109	102	91	79	67	
6LM 70/13	40	30	61,1		170	157	124	122	118	111	99	86	73	

Max Eff. %	76
Max kW / St.	2,18

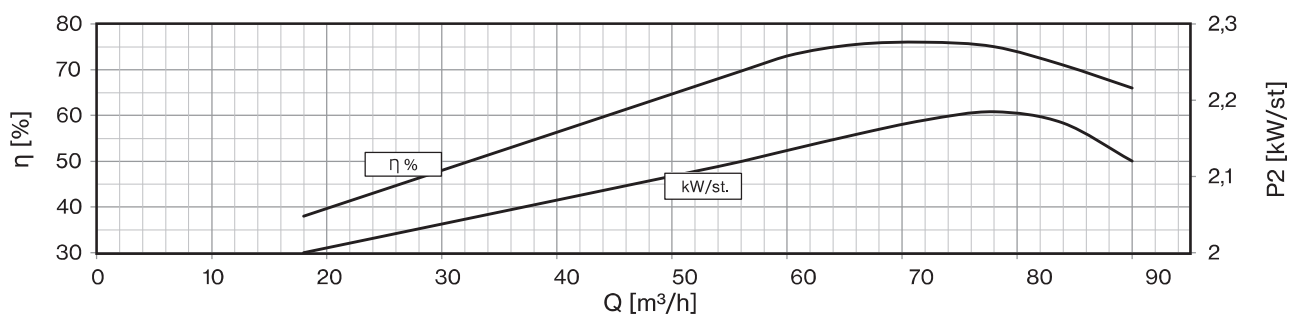
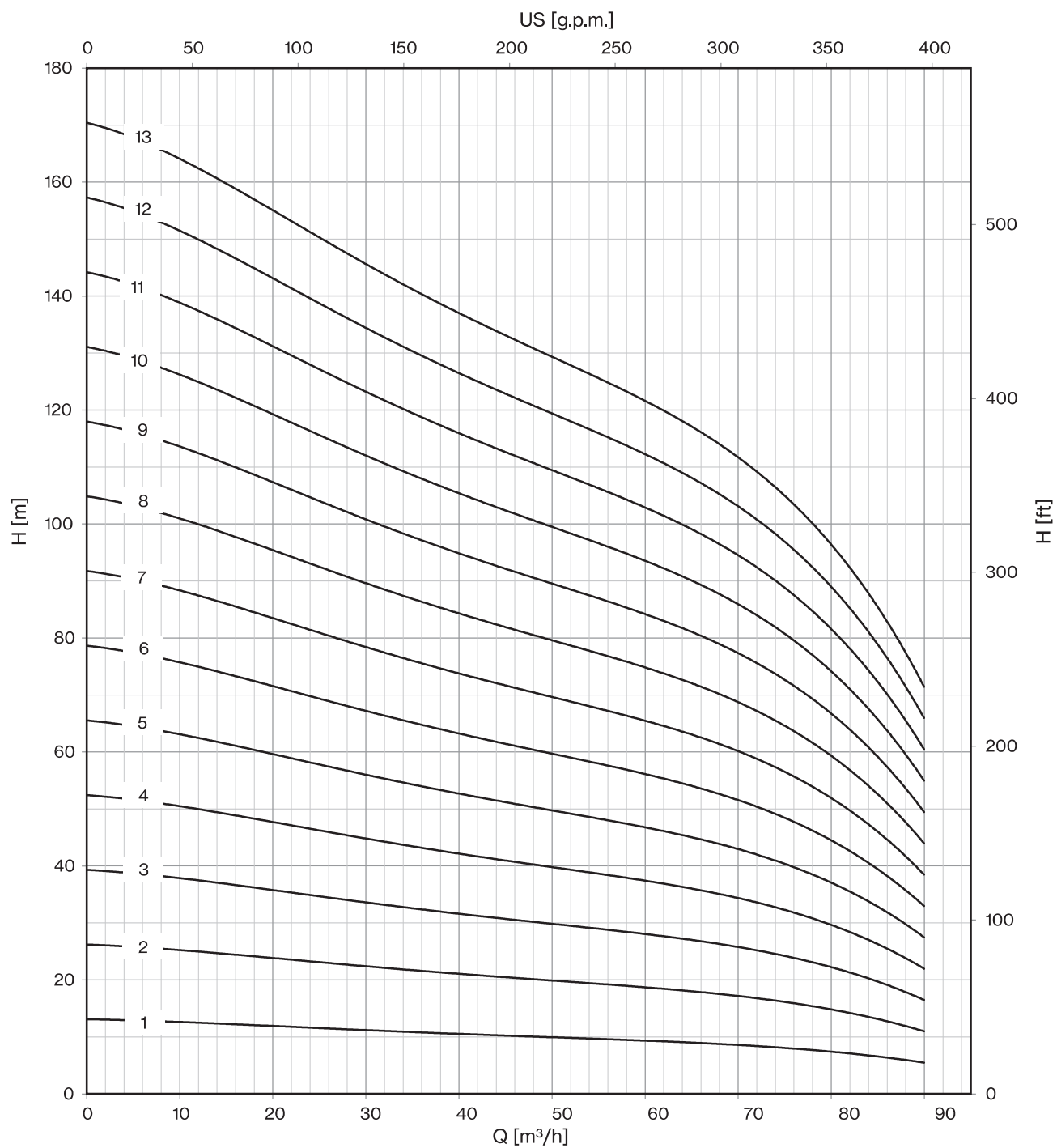
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 70/01-4	4" NEMA	812	360	452	15	8
6LM 70/02-4		1165	467	698	27	12
6LM 70/03		1315	614	701	55	16
6LM 70/04		1472	721	751	60	20
6LM 70/05	6" NEMA	1639	828	811	65	24
6LM 70/06		1866	935	931	75	27
6LM 70/07		2033	1042	991	83	31
6LM 70/08		2140	1149	991	83	35
6LM 70/09		2327	1256	1071	92	39
6LM 70/10		2434	1363	1071	92	43
6LM 70/11		2651	1470	1181	100	46
6LM 70/12		2828	1577	1251	108	50
6LM 70/13		2935	1684	1251	108	54



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

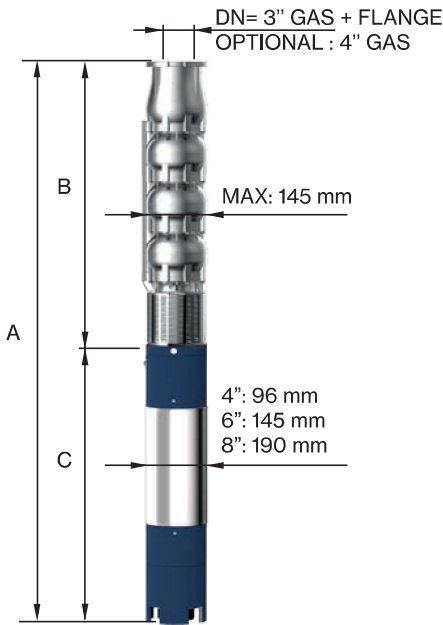


6LM 70

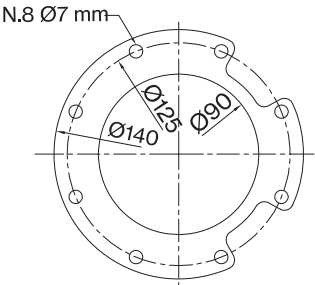
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	300	900	1000	1100	1200	1300	1400	1500
	P2		CURRENT	I/sec	0	5,0	15,0	16,7	18,3	20,0	21,7	23,3	25,0
	HP	kW	A	m³/h	0	18	54	60	66	72	78	84	90
6LM 70/14	50	37	75,8	H (m)	183	169	134	132	127	119	106	92	78
6LM 70/15	50	37	75,8		197	182	143	141	137	128	114	99	84
6LM 70/16	50	37	75,8		210	194	153	150	146	136	122	106	90
6LM 70/17	60	45	86,3		223	206	162	160	155	145	129	112	95
6LM 70/18	60	45	86,3		236	218	172	169	164	153	137	119	101
6LM 70/19	60	45	86,3		249	230	181	179	173	162	144	125	106
6LM 70/20	60	45	86,3		262	242	191	188	182	170	152	132	112
6LM 70/21	75	55	106,2		275	254	201	197	191	179	160	139	118
6LM 70/22	75	55	106,2		288	266	210	207	200	187	167	145	123
6LM 70/23	75	55	106,2		301	278	220	216	209	196	175	152	129
6LM 70/24	75	55	106,2		314	290	229	226	218	204	182	158	134
6LM 70/25	75	55	106,2		328	303	239	235	228	213	190	165	140

Max Eff. %	76
Max kW / St.	2,18

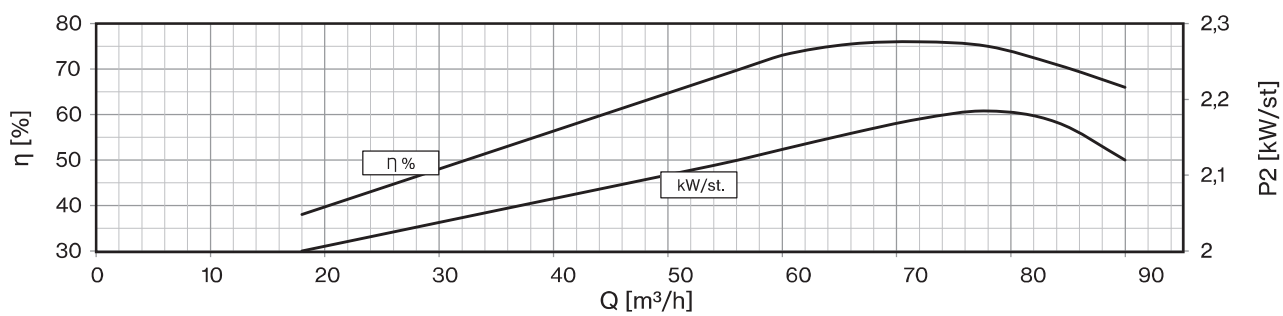
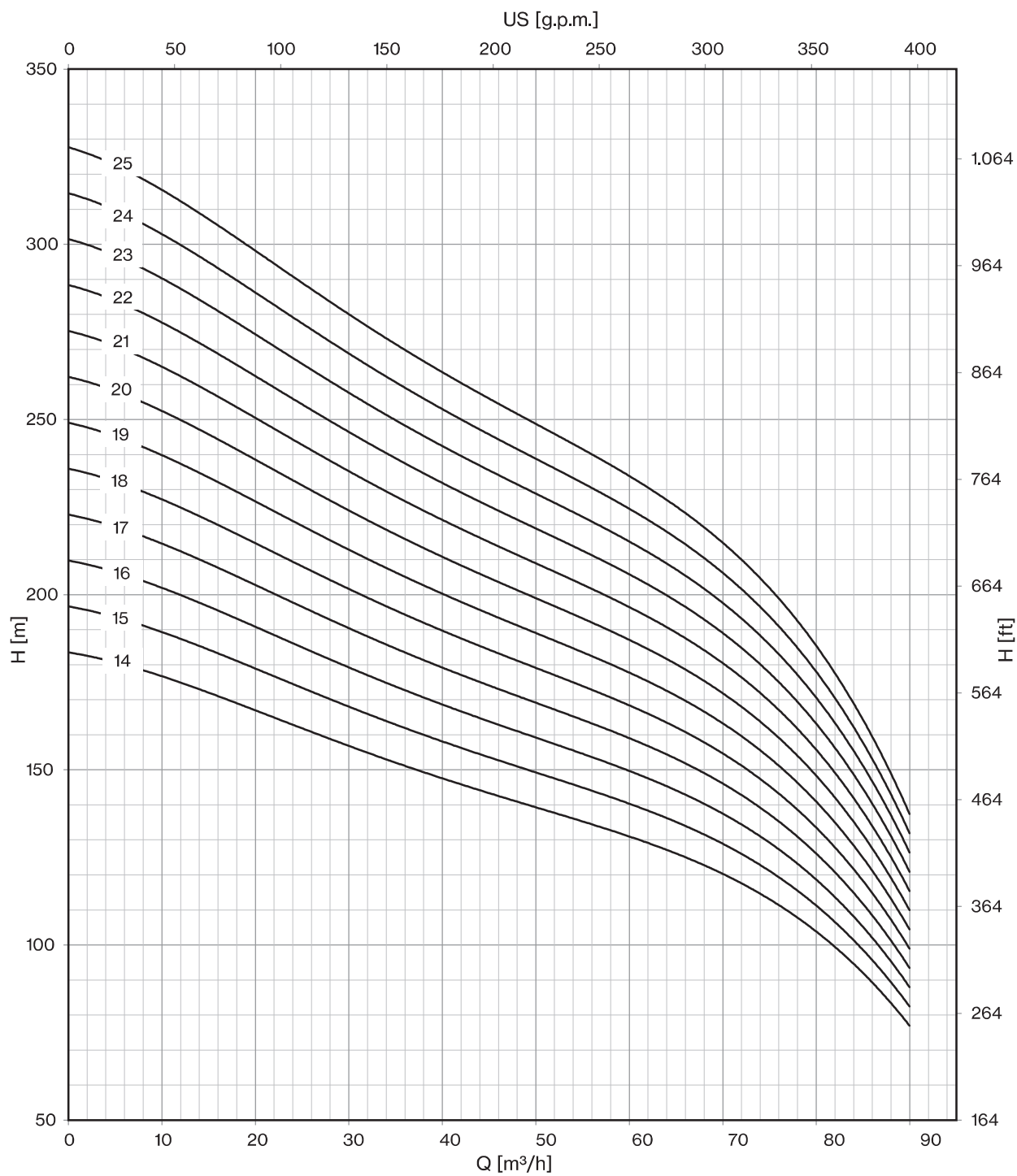
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,8	3,8	5,1	7,1



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
6LM 70/14	6" NEMA	3132	1791	1341	118	58
6LM 70/15		3239	1898	1341	118	62
6LM 70/16		3346	2005	1341	118	65
6LM 70/17		3235	2112	1123	178	69
6LM 70/18		3342	2219	1123	178	73
6LM 70/19		3516	2393	1123	178	81
6LM 70/20		3623	2500	1123	178	84
6LM 70/21		3840	2607	1233	200	88
6LM 70/22		3947	2714	1233	200	92
6LM 70/23		4054	2821	1233	200	96
6LM 70/24		4161	2928	1233	200	100
6LM 70/25		4268	3035	1233	200	103



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 88,9 mm

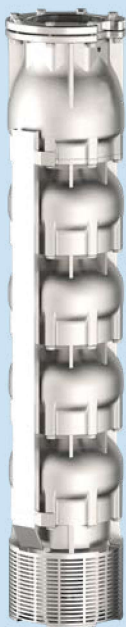


8LR & 8LM lines

Deepwell Borehole



8LRH line



8LM line



Submersible Multistage Centrifugal Pumps for 8" Wells.

The 8LRH line is a radial type execution, while the 8LM one is a semi-axial type. These pumps feature a check valve integrated into the delivery outlet. The pump motor bracket and coupling are manufactured in compliance with NEMA standards. All components are constructed from stainless steel using lost wax microfusion technology. The standard material is AISI 304 stainless steel. Alternatively, the following materials are available upon request: AISI 316 stainless steel and Duplex steel (EN 1.4462).

The bushing bearings and wear rings are made from sand abrasion-resistant rubber, while the reverse-thrust ring is made of PTFE/Graphite.

These pumps are suitable for a wide range of applications, including civil and agricultural uses.

General operating data:

- Capacity up to 192 m³/h
- Pressure up to 719 m
- Hydraulic efficiency 8", up to 78,5%
- Powers up to 185 kW
- Rotation speed 2.900 rpm
- Maximum depth: 350 m
- Maximum quantity of sand: 100 gr/m³
- Drinking water compatibility according to DM174
- MEI ≥ 0,4 (EU directive No.547/2012)
- Performance tolerance: ISO9906-3B.

Construction features

Suction and delivery outlet	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Valve	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Impellers and diffusers	stainless steel AISI 304 (LRHS-LMS)
	stainless steel AISI 316 (LRHX-LMX)
	Duplex EN 1.4462 (LRHD-LMD)
Upper bushings	NBR rubber
Shaft pump side	stainless steel AISI 304 (LRS-LMS)
	stainless steel AISI 316 (LRX-LMX)
	Duplex EN 1.4462 (LRD-LMD)
Quantity of sand in the water	max 100 gr/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

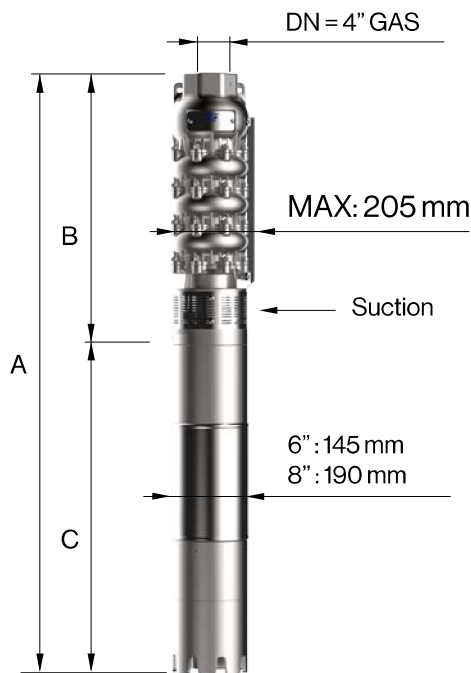


8LRH 34

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	200	300	400	500	600	700
	P2		CURRENT	I/sec	0,0	3,3	5,0	6,7	8,3	10,0	11,7
	HP	kW	A	m³/h	0	12	18	24	30	36	42
8LRH 34/01	5,5	4	9,1	H (m)	23	22	21	20	19	17	14
8LRH 34/02	7,5	5,5	12,3		46	44	42	40	37	33	27
8LRH 34/03	10	7,5	16,3		69	66	63	59	56	50	41
8LRH 34/04	15	11	23,4		92	88	84	79	74	66	54
8LRH 34/05	17,5	13	27,3		115	110	105	99	93	83	68
8LRH 34/06	20	15	31,5		138	132	126	119	111	100	82
8LRH 34/07	25	18,5	38,3		161	154	147	139	130	116	95
8LRH 34/08	30	22	45,1		184	176	168	158	148	133	109
8LRH 34/09	30	22	45,1		207	198	189	178	167	149	122
8LRH 34/10	35	26	52,9		230	220	210	198	185	166	136
8LRH 34/11	35	26	52,9		253	242	231	218	204	183	150
8LRH 34/12	40	30	61,1		276	264	252	238	222	199	163
8LRH 34/13	50	37	75,8		299	286	273	257	241	216	177
8LRH 34/14	50	37	75,8		322	308	294	277	259	232	190
8LRH 34/15	50	37	75,8		345	330	315	297	278	249	204
8LRH 34/16	60	44	86,3		368	352	336	317	296	266	218

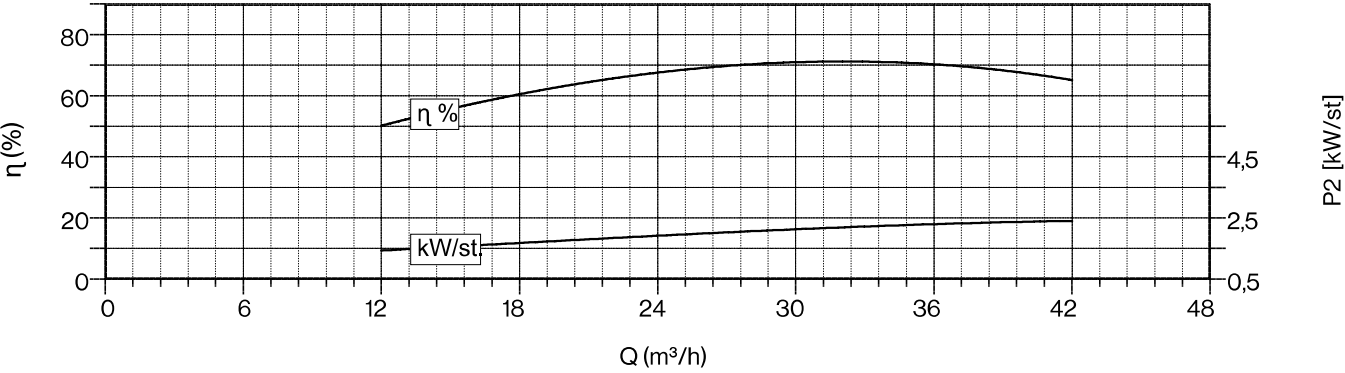
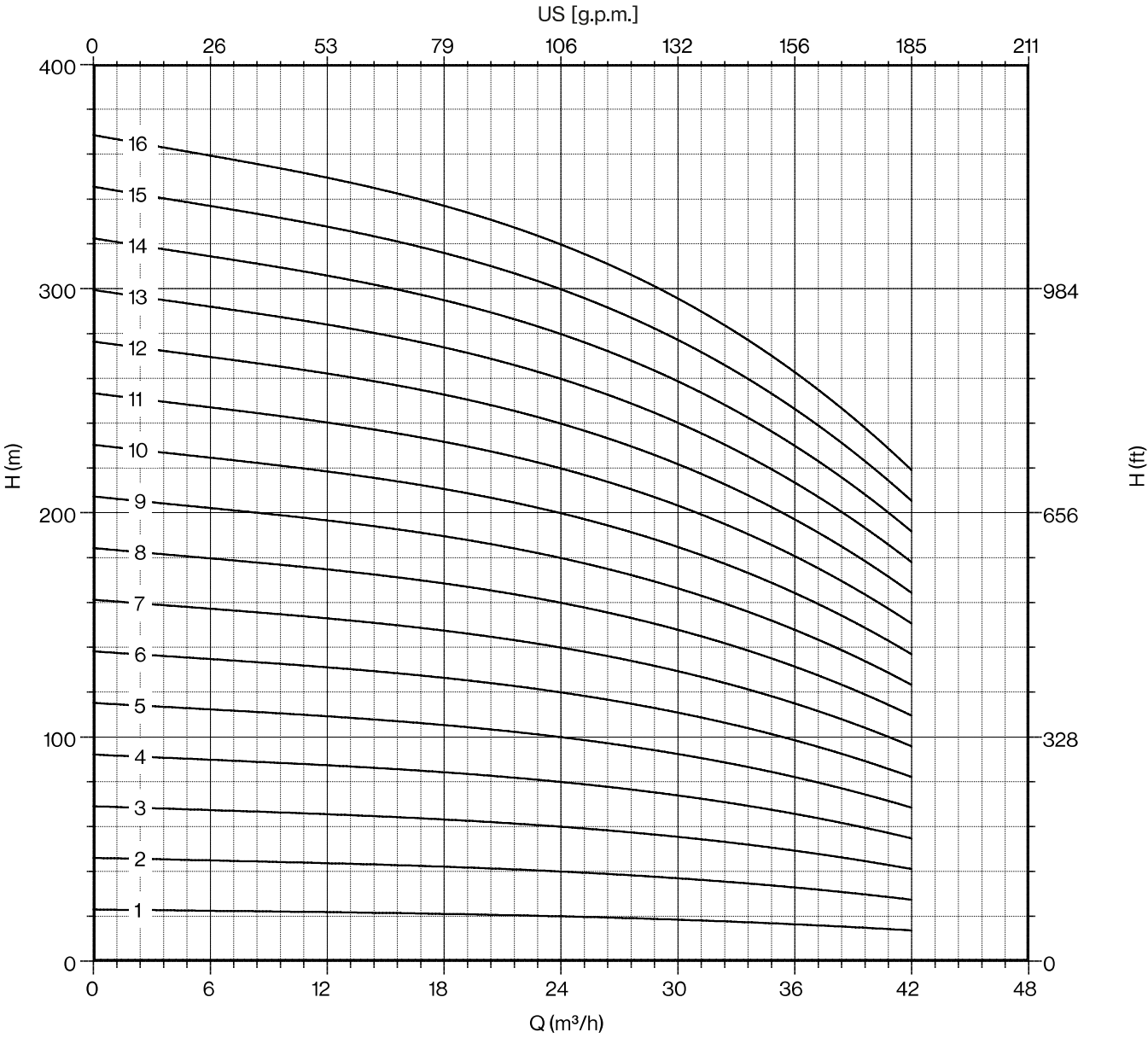
Max Eff. %	71
Max kW / St.	2,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,3	3,3	4,5	6,7



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 34/01-6	6" NEMA	1106	460	646	40	21
8LRH 34/02-6		1211	540	671	45	27
8LRH 34/03-6		1321	620	701	55	33
8LRH 34/04-6		1511	700	811	65	40
8LRH 34/05-6		1621	780	841	70	46
8LRH 34/06-6		1791	860	931	75	52
8LRH 34/07-6		1931	940	991	83	58
8LRH 34/08-6		2091	1020	1071	92	64
8LRH 34/09-6		2171	1100	1071	92	70
8LRH 34/10-6		2361	1180	1181	100	77
8LRH 34/11-6		2441	1260	1181	100	83
8LRH 34/12-6		2591	1340	1251	108	89
8LRH 34/13-6		2761	1420	1341	118	95
8LRH 34/14-6		2841	1500	1341	118	101
8LRH 34/15-6		2921	1580	1341	118	107
8LRH 34/16	8" NEMA	2783	1660	1123	178	113

8LRH 34

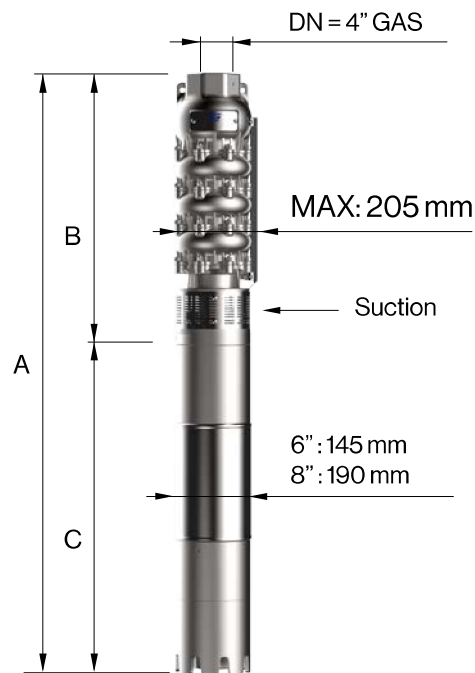


8LRH 34

50 Hz - 2900 rpm				Q							
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	200	300	400	500	600	700
	P2		CURRENT		0,0	3,3	5,0	6,7	8,3	10,0	11,7
	HP	kW	A		0	12	18	24	30	36	42
8LRH 34/17	60	44	86,3		391	374	357	337	315	282	231
8LRH 34/18	60	44	86,3		414	396	378	356	333	299	245
8LRH 34/19	75	55	106,2		437	418	399	376	352	315	258
8LRH 34/20	75	55	106,2		460	440	420	396	370	332	272
8LRH 34/21	75	55	106,2		483	462	441	416	389	349	286
8LRH 34/22	75	55	106,2		506	484	462	436	407	365	299
8LRH 34/23	75	55	106,2		529	506	483	455	426	382	313
8LRH 34/24	90	66	126		552	528	504	475	444	398	326
8LRH 34/25	90	66	126		575	550	525	495	463	415	340
8LRH 34/26	90	66	126		598	572	546	515	481	432	354
8LRH 34/27	90	66	126		621	594	567	535	500	448	367
8LRH 34/28	90	66	126		644	616	588	554	518	465	381
8LRH 34/29	100	75	143,2		667	638	609	574	537	481	394
8LRH 34/30	100	75	143,2		690	660	630	594	555	498	408
8LRH 34/31	100	75	143,2		713	682	651	614	574	515	422

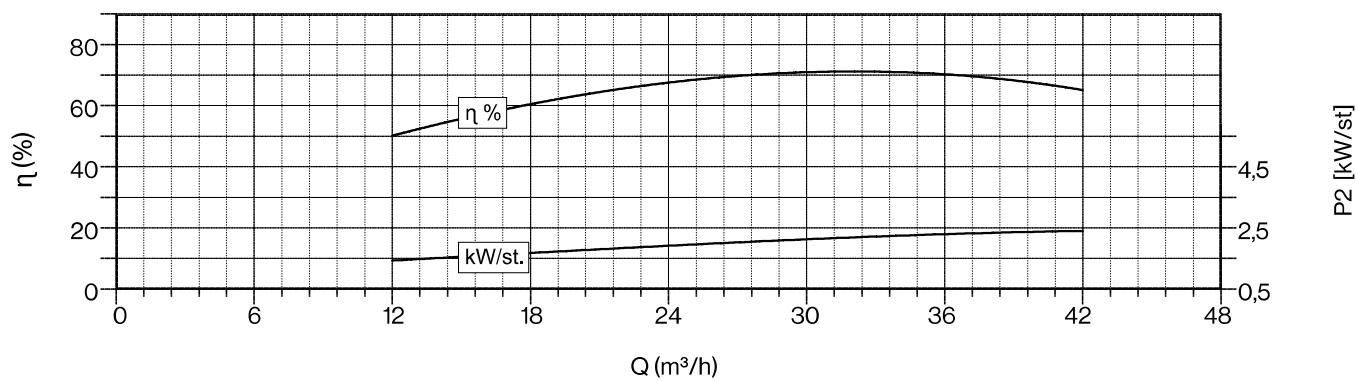
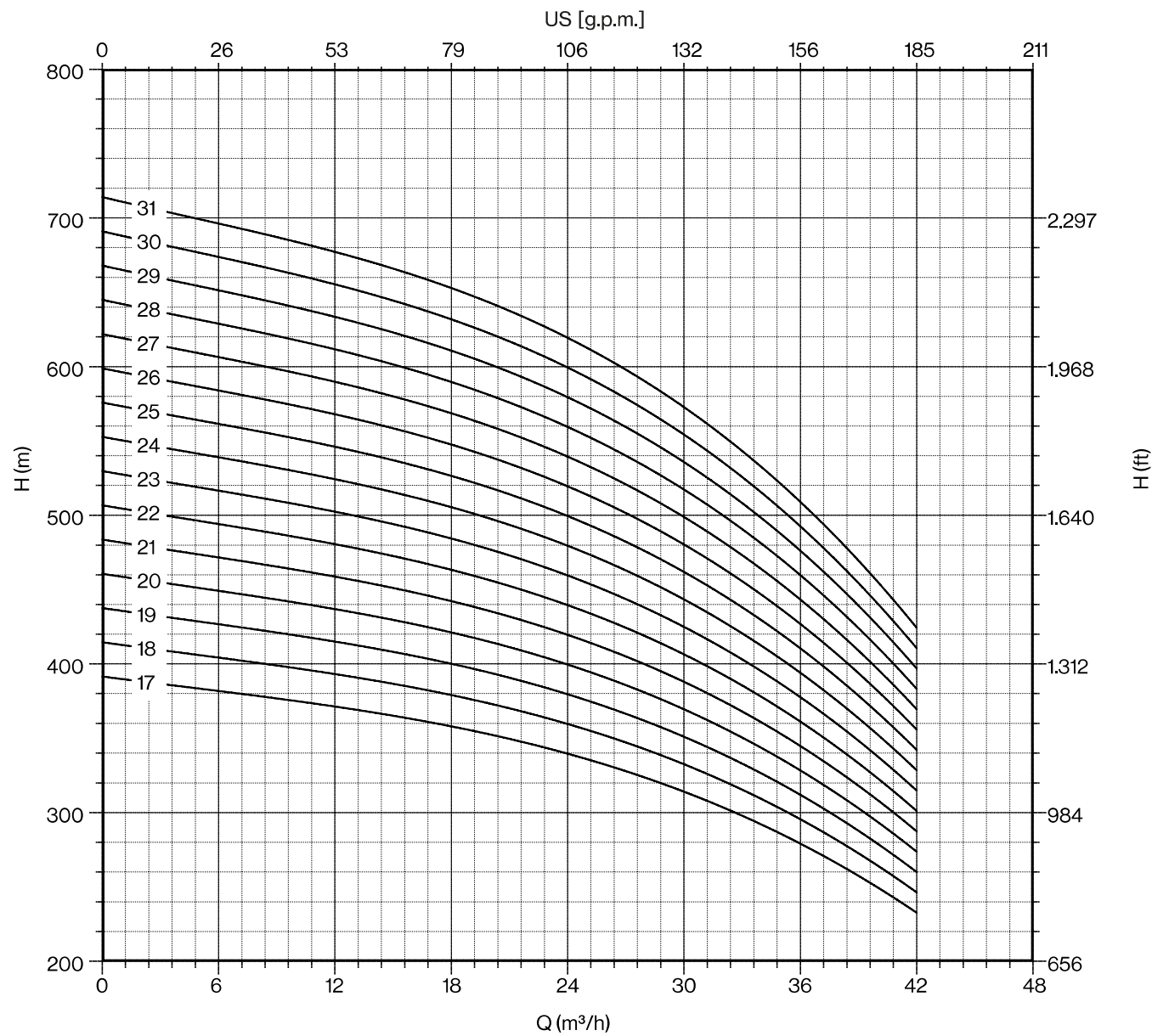
Max Eff. %	71
Max kW / St.	2,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,3	3,3	4,5	6,7



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 34/17	8" NEMA	2863	1740	1123	178	120
8LRH 34/18		2943	1820	1123	178	126
8LRH 34/19		3133	1900	1233	200	132
8LRH 34/20		3213	1980	1233	200	138
8LRH 34/21		3293	2060	1233	200	144
8LRH 34/22		3373	2140	1233	200	150
8LRH 34/23		3453	2220	1233	200	156
8LRH 34/24		3603	2300	1303	214	163
8LRH 34/25		3683	2380	1303	214	169
8LRH 34/26		3763	2460	1303	214	175
8LRH 34/27		3843	2540	1303	214	181
8LRH 34/28		3923	2620	1303	214	187
8LRH 34/29		4083	2700	1383	230	193
8LRH 34/30		4163	2780	1383	230	200
8LRH 34/31		4243	2860	1383	230	206

8LRH 34

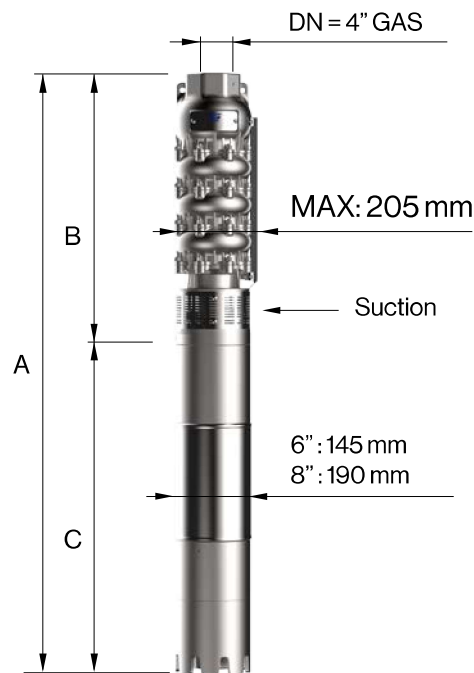


8LRH 42

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V			l/min	0	300	400	500	600	700	800	900
	P2		CURRENT	l/sec	0,0	5,0	6,7	8,3	10,0	11,7	13,3	15,0
	HP	kW	A	m³/h	0	18	24	30	36	42	48	54
8LRH 42/01	5,5	4	9,1	H (m)	23	22	21	20	18	16	14	12
8LRH 42/02	7,5	5,5	12,3		46	44	43	40	37	33	28	23
8LRH 42/03	12,5	9,2	19,9		70	66	64	60	55	49	42	35
8LRH 42/04	15	11	23,4		93	88	86	80	74	66	56	46
8LRH 42/05	20	15	31,5		116	110	107	100	92	82	70	58
8LRH 42/06	25	18,5	38,3		139	132	128	120	110	98	84	70
8LRH 42/07	30	22	45,1		162	154	150	140	129	115	98	81
8LRH 42/08	30	22	45,1		186	176	171	160	147	131	112	93
8LRH 42/09	35	26	52,9		209	198	193	180	166	148	126	104
8LRH 42/10	40	30	61,1		232	220	214	200	184	164	140	116
8LRH 42/11	50	37	75,8		255	242	235	220	202	180	154	128
8LRH 42/12	50	37	75,8		278	264	257	240	221	197	168	139
8LRH 42/13	50	37	75,8		302	286	278	260	239	213	182	151
8LRH 42/14	60	44	86,3		325	308	300	280	258	230	196	162
8LRH 42/15	60	44	86,3		348	330	321	300	276	246	210	174
8LRH 42/16	60	44	86,3		371	352	342	320	294	262	224	186

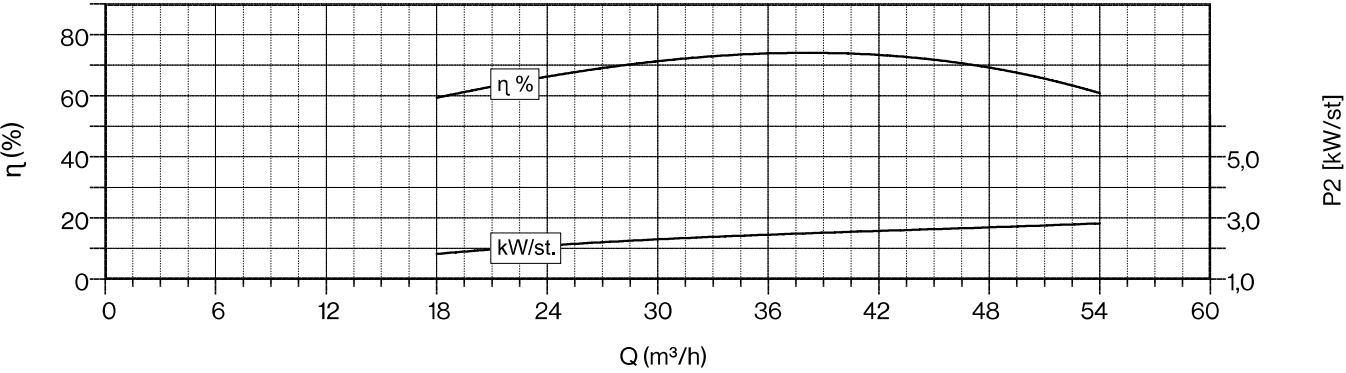
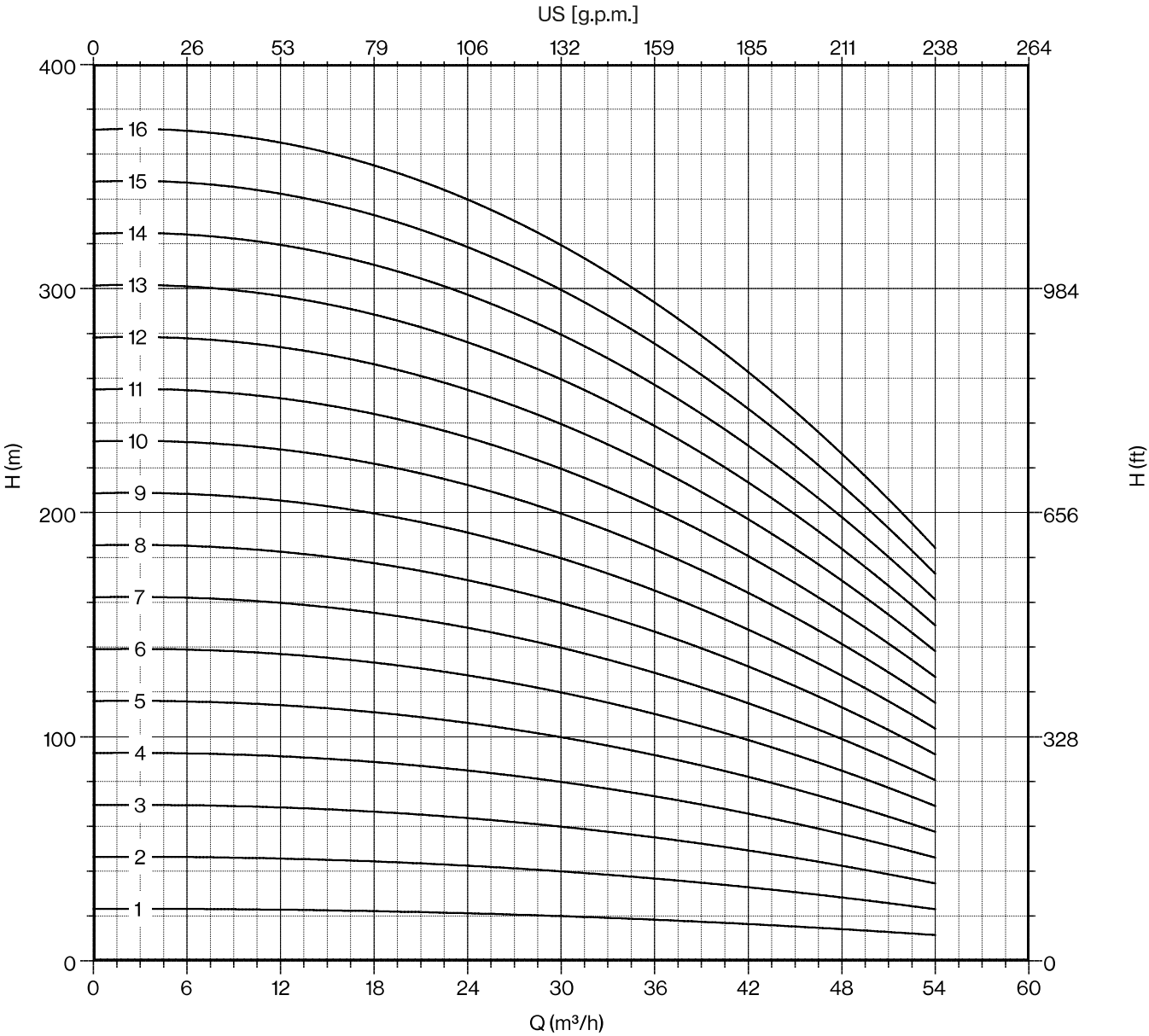
Max Eff. %	74
Max kW / St.	2,8

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



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 42/01-6	6" NEMA	1106	460	646	40	21
8LRH 42/02-6		1211	540	671	45	27
8LRH 42/03-6		1371	620	751	60	33
8LRH 42/04-6		1511	700	811	65	40
8LRH 42/05-6		1711	780	931	75	46
8LRH 42/06-6		1851	860	991	83	52
8LRH 42/07-6		2011	940	1071	92	58
8LRH 42/08-6		2091	1020	1071	92	64
8LRH 42/09-6		2281	1100	1181	100	70
8LRH 42/10-6		2431	1180	1251	108	77
8LRH 42/11-6		2601	1260	1341	118	83
8LRH 42/12-6		2681	1340	1341	118	89
8LRH 42/13-6		2761	1420	1341	118	95
8LRH 42/14	8" NEMA	2623	1500	1123	178	101
8LRH 42/15		2703	1580	1123	178	107
8LRH 42/16		2783	1660	1123	178	113

8LRH 42

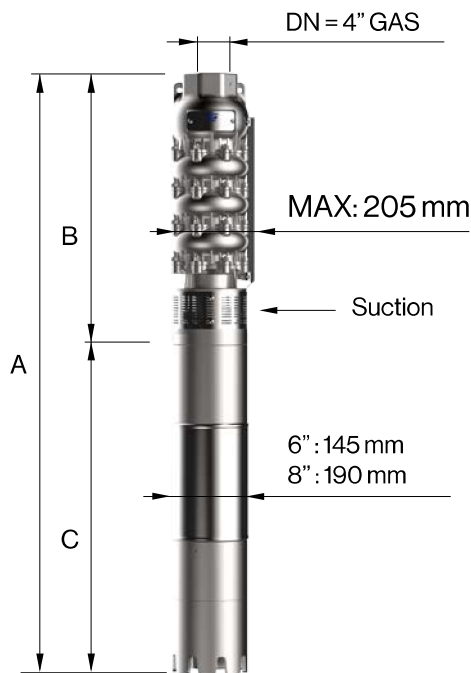


8LRH 42

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	300	400	500	600	700	800	900
	P2		CURRENT	I/sec	0,0	5,0	6,7	8,3	10,0	11,7	13,3	15,0
	HP	kW	A	m³/h	0	18	24	30	36	42	48	54
8LRH 42/17	75	55	106,2	H (m)	394	374	364	340	313	279	238	197
8LRH 42/18	75	55	106,2		418	396	385	360	331	295	252	209
8LRH 42/19	75	55	106,2		441	418	407	380	350	312	266	220
8LRH 42/20	90	66	126		464	440	428	400	368	328	280	232
8LRH 42/21	90	66	126		487	462	449	420	386	344	294	244
8LRH 42/22	90	66	126		510	484	471	440	405	361	308	255
8LRH 42/23	90	66	126		534	506	492	460	423	377	322	267
8LRH 42/24	100	75	143,2		557	528	514	480	442	394	336	278
8LRH 42/25	100	75	143,2		580	550	535	500	460	410	350	290
8LRH 42/26	100	75	143,2		603	572	556	520	478	426	364	302
8LRH 42/27	125	92	175,1		626	594	578	540	497	443	378	313
8LRH 42/28	125	92	175,1		650	616	599	560	515	459	392	325
8LRH 42/29	125	92	175,1		673	638	621	580	534	476	406	336
8LRH 42/30	125	92	175,1		696	660	642	600	552	492	420	348
8LRH 42/31	125	92	175,1		719	682	663	620	570	508	434	360

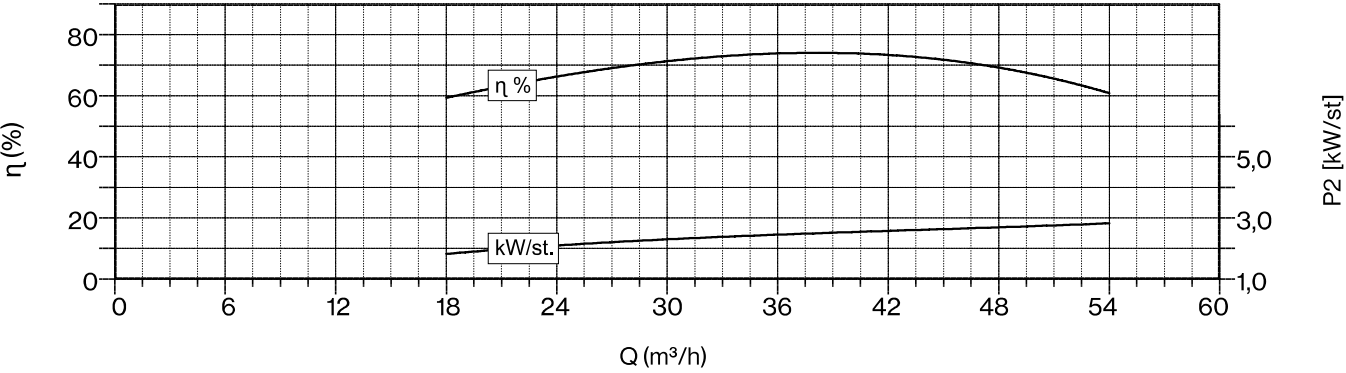
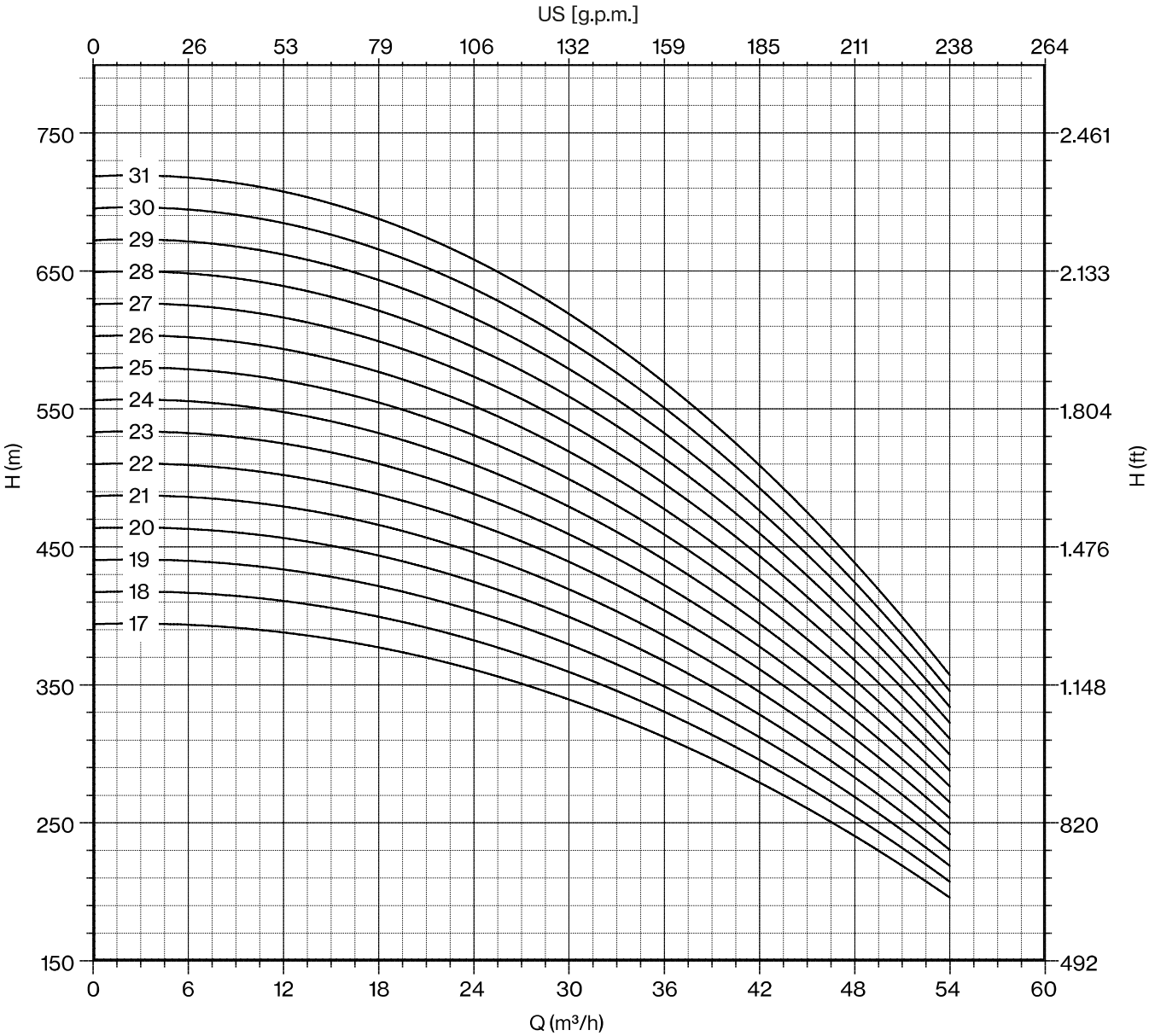
Max Eff. %	74
Max kW / St.	2,8

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



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 42/17	8" NEMA	2973	1740	1233	200	120
8LRH 42/18		3053	1820	1233	200	126
8LRH 42/19		3133	1900	1233	200	132
8LRH 42/20		3283	1980	1303	214	138
8LRH 42/21		3363	2060	1303	214	144
8LRH 42/22		3443	2140	1303	214	150
8LRH 42/23		3523	2220	1303	214	156
8LRH 42/24		3683	2300	1383	230	163
8LRH 42/25		3763	2380	1383	230	169
8LRH 42/26		3843	2460	1383	230	175
8LRH 42/27		4123	2540	1583	270	181
8LRH 42/28		4203	2620	1583	270	187
8LRH 42/29		4283	2700	1583	270	193
8LRH 42/30		4363	2780	1583	270	200
8LRH 42/31		4443	2860	1583	270	206

8LRH 42

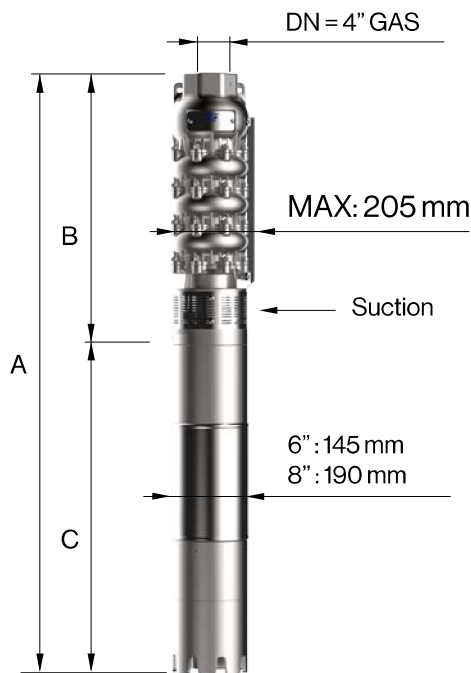


8LRH 52

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	500	600	700	800	900	1000	1100	
	P2		CURRENT	I/sec	0,0	8,3	10,0	11,7	13,3	15,0	16,7	18,3
	HP	kW	A	m³/h	0	30	36	42	48	54	60	66
8LRH 52/01	5,5	4	9,1	H (m)	24	21	21	19	18	17	15	13
8LRH 52/02	10	7,5	16,3		48	43	41	39	36	33	30	25
8LRH 52/03	15	11	23,4		72	64	62	58	55	50	44	38
8LRH 52/04	20	15	31,5		96	86	82	78	73	66	59	50
8LRH 52/05	25	18,5	38,3		120	107	103	97	91	83	74	63
8LRH 52/06	30	22	45,1		144	128	124	116	109	100	89	76
8LRH 52/07	35	26	52,9		168	150	144	136	127	116	104	88
8LRH 52/08	40	30	61,1		192	171	165	155	146	133	118	101
8LRH 52/09	50	37	75,8		216	193	185	175	164	149	133	113
8LRH 52/10	50	37	75,8		240	214	206	194	182	166	148	126
8LRH 52/11	60	44	86,3		264	235	227	213	200	183	163	139
8LRH 52/12	60	44	86,3		288	257	247	233	218	199	178	151
8LRH 52/13	75	55	106,2		312	278	268	252	237	216	192	164

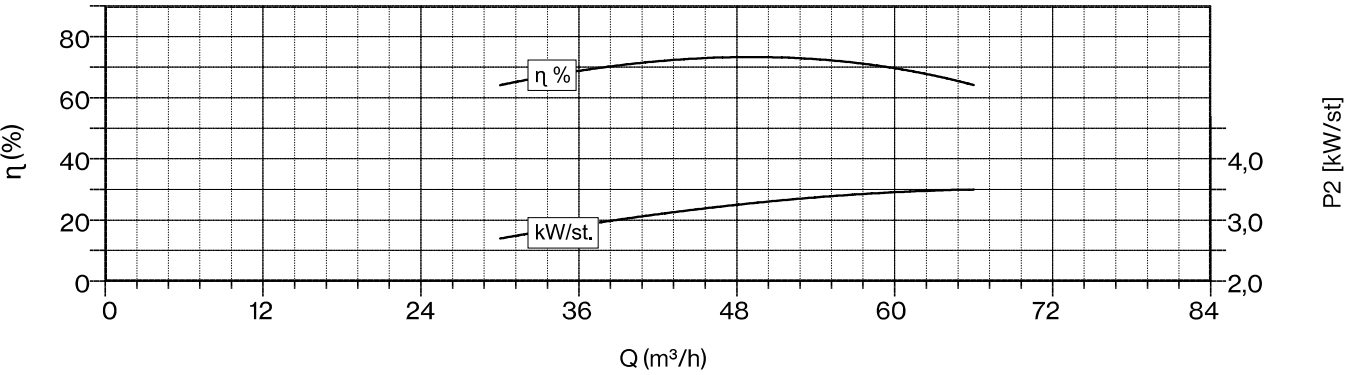
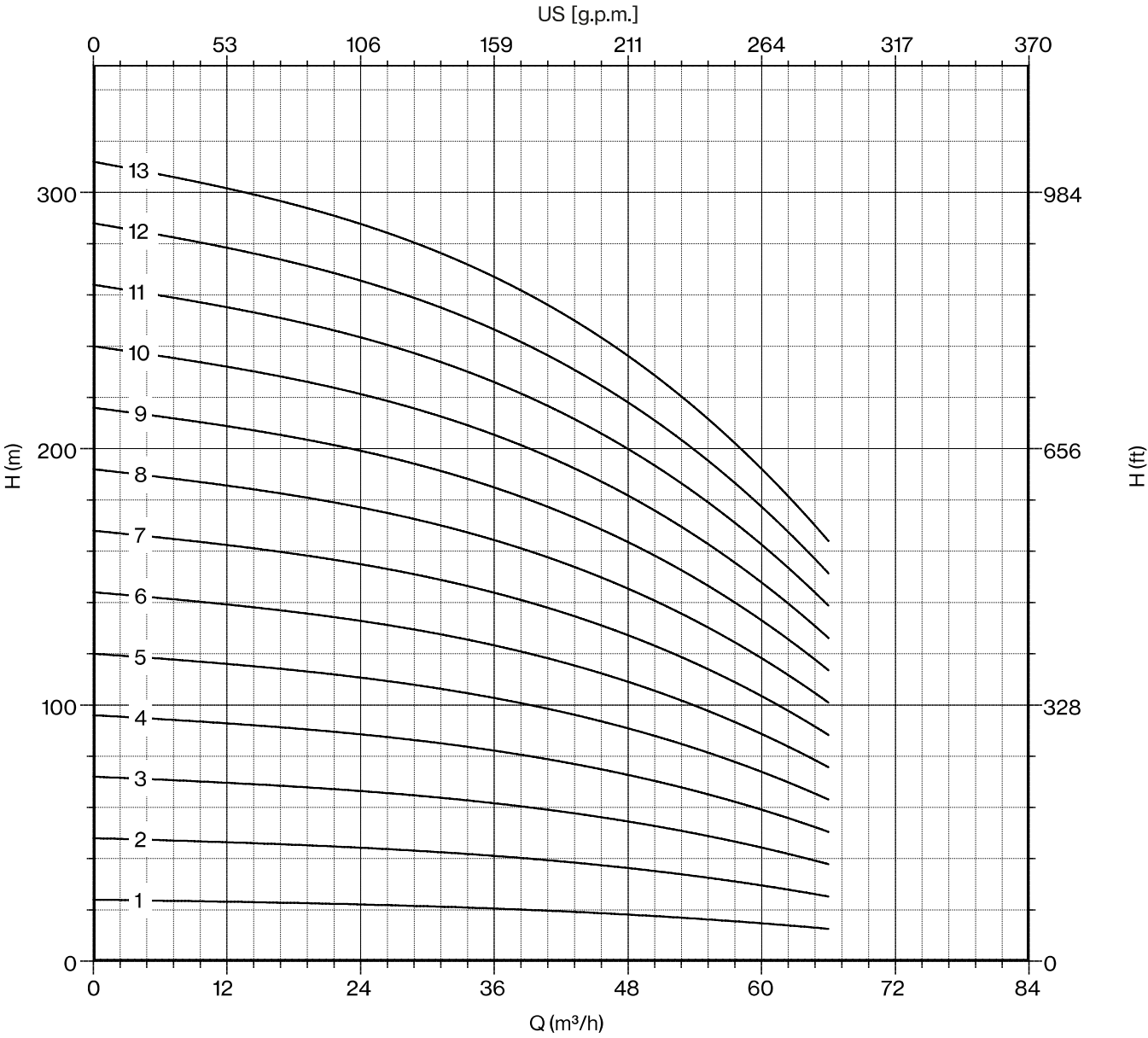
Max Eff. %	73
Max kW / St.	3,5

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,5	3,5	6	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 52/01-6	6" NEMA	1114	468	646	40	22
8LRH 52/02-6		1257	556	701	55	29
8LRH 52/03-6		1455	644	811	65	36
8LRH 52/04-6		1663	732	931	75	44
8LRH 52/05-6		1811	820	991	83	51
8LRH 52/06-6		1979	908	1071	92	58
8LRH 52/07-6		2177	996	1181	100	65
8LRH 52/08-6		2335	1084	1251	108	72
8LRH 52/09-6		2513	1172	1341	118	79
8LRH 52/10-6		2601	1260	1341	118	87
8LRH 52/11	8" NEMA	2471	1348	1123	178	94
8LRH 52/12		2559	1436	1123	178	101
8LRH 52/13		2757	1524	1233	200	108

8LRH 52

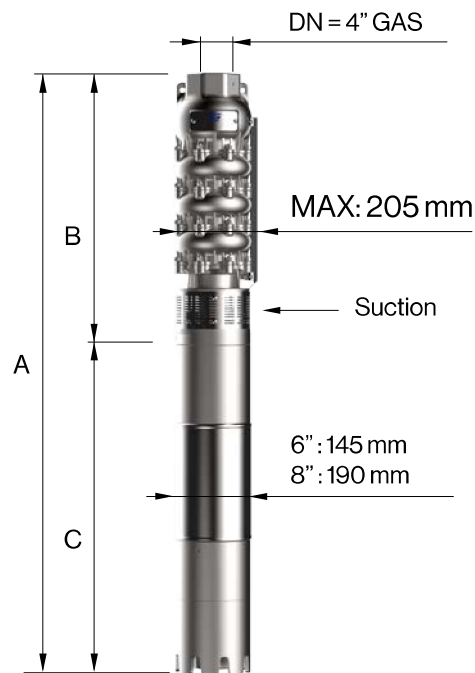


8LRH 52

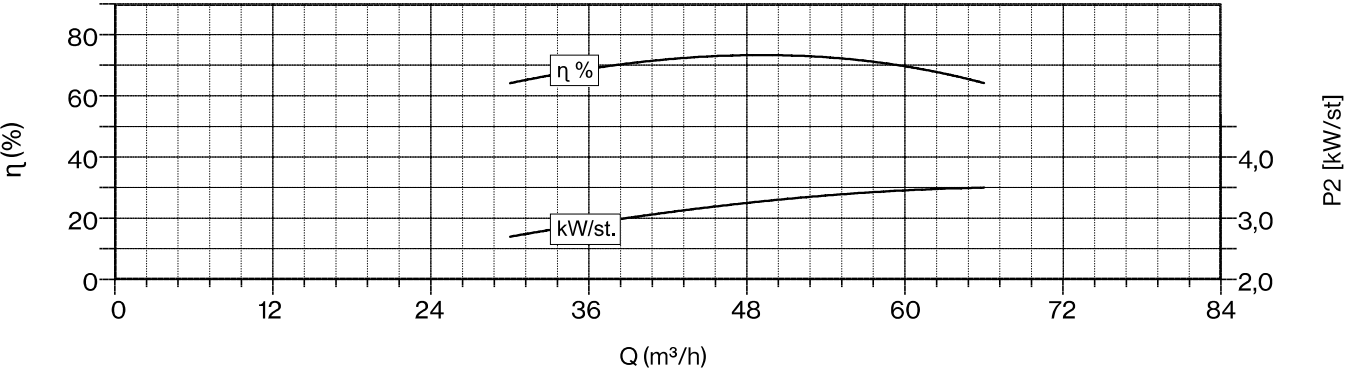
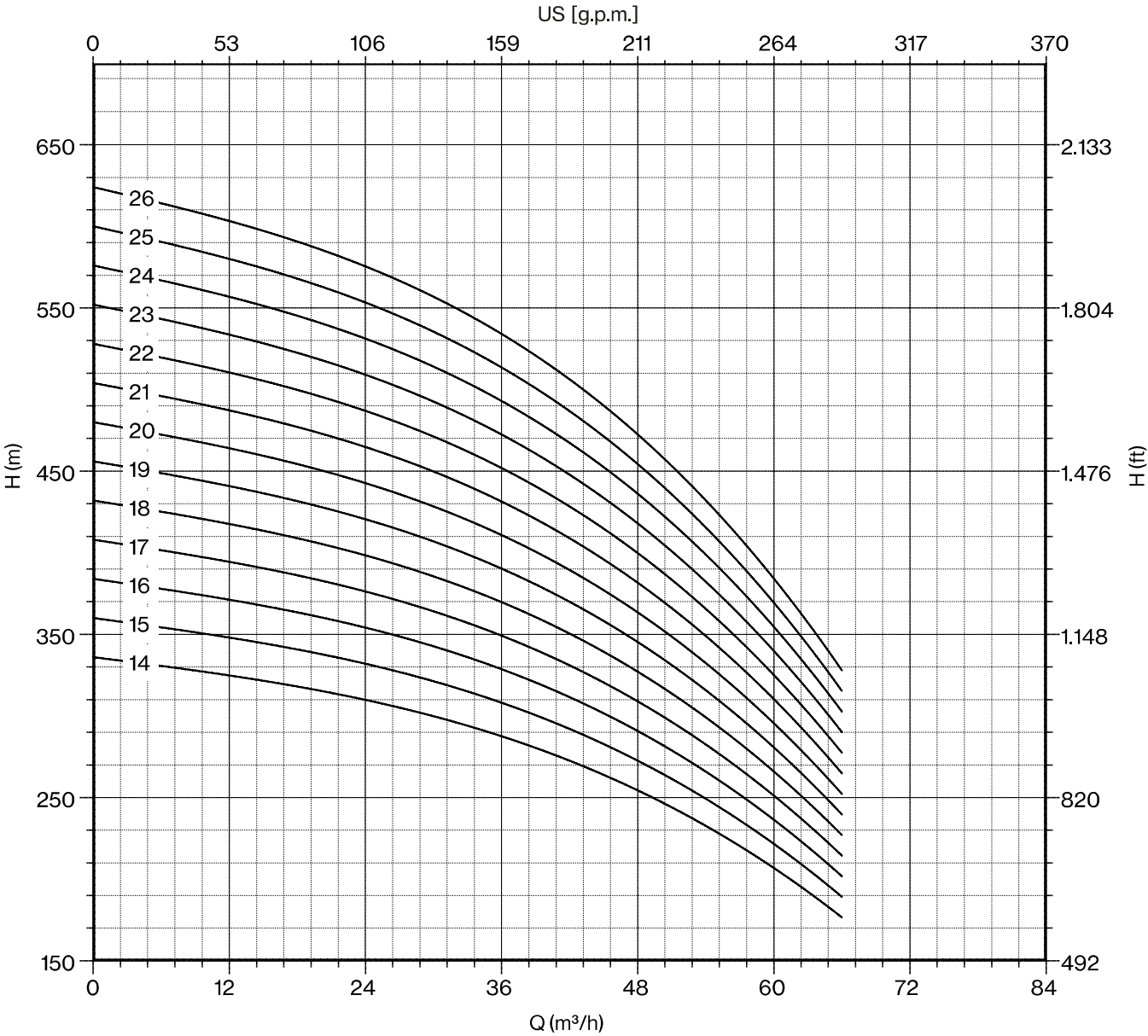
50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V			l/min	0	500	600	700	800	900	1000	1100
	P2		CURRENT	l/sec	0,0	8,3	10,0	11,7	13,3	15,0	16,7	18,3
	HP	kW	A	m³/h	0	30	36	42	48	54	60	66
8LRH 52/14	75	55	106,2	H (m)	336	300	288	272	255	232	207	176
8LRH 52/15	75	55	106,2		360	321	309	291	273	249	222	189
8LRH 52/16	75	55	106,2		384	342	330	310	291	266	237	202
8LRH 52/17	90	66	126		408	364	350	330	309	282	252	214
8LRH 52/18	90	66	126		432	385	371	349	328	299	266	227
8LRH 52/19	90	66	126		456	407	391	369	346	315	281	239
8LRH 52/20	100	75	143,2		480	428	412	388	364	332	296	252
8LRH 52/21	100	75	143,2		504	449	433	407	382	349	311	265
8LRH 52/22	125	92	175,1		528	471	453	427	400	365	326	277
8LRH 52/23	125	92	175,1		552	492	474	446	419	382	340	290
8LRH 52/24	125	92	175,1		576	514	494	466	437	398	355	302
8LRH 52/25	125	92	175,1		600	535	515	485	455	415	370	315
8LRH 52/26	125	92	175,1		624	556	536	504	473	432	385	328

Max Eff. %	73
Max kW / St.	3,5

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,5	3,5	6	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 52/14	8" NEMA	2845	1612	1233	200	115
8LRH 52/15		2933	1700	1233	200	122
8LRH 52/16		3021	1788	1233	200	129
8LRH 52/17		3179	1876	1303	214	137
8LRH 52/18		3267	1964	1303	214	144
8LRH 52/19		3355	2052	1303	214	151
8LRH 52/20		3523	2140	1383	230	158
8LRH 52/21		3611	2228	1383	230	165
8LRH 52/22		3899	2316	1583	270	172
8LRH 52/23		3987	2404	1583	270	179
8LRH 52/24		4075	2492	1583	270	187
8LRH 52/25		4163	2580	1583	270	194
8LRH 52/26		4251	2668	1583	270	201

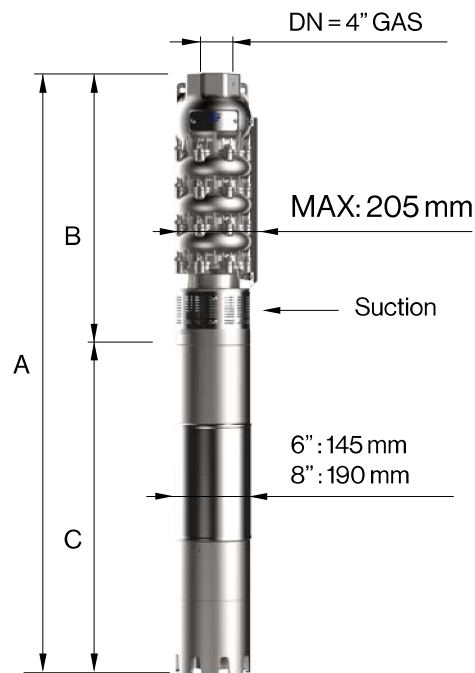


8LRH 62

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3- 400V		l/min	0	600	800	900	1000	1100	1200	1300	
	P2		CURRENT	l/sec	0,0	10,0	13,3	15,0	16,7	18,3	20,0	21,7
	HP	kW	A	m³/h	0	36	48	54	60	66	72	78
8LRH 62/01	5,5	4	9,1	H (m)	23	21	19	18	17	15	14	12
8LRH 62/02	10	7,5	16,3		45	42	38	36	34	30	27	23
8LRH 62/03	15	11	23,4		68	63	57	54	50	46	41	35
8LRH 62/04	20	15	31,5		90	84	76	72	67	61	54	46
8LRH 62/05	25	18,5	38,3		113	105	95	90	84	76	68	58
8LRH 62/06	30	22	45,1		136	126	114	108	101	91	82	70
8LRH 62/07	35	26	52,9		158	147	133	126	118	106	95	81
8LRH 62/08	40	30	61,1		181	168	152	144	134	122	109	93
8LRH 62/09	50	37	75,8		203	189	171	162	151	137	122	104
8LRH 62/10	50	37	75,8		226	210	190	180	168	152	136	116
8LRH 62/11	60	44	86,3		249	231	209	198	185	167	150	128
8LRH 62/12	60	44	86,3		271	252	228	216	202	182	163	139

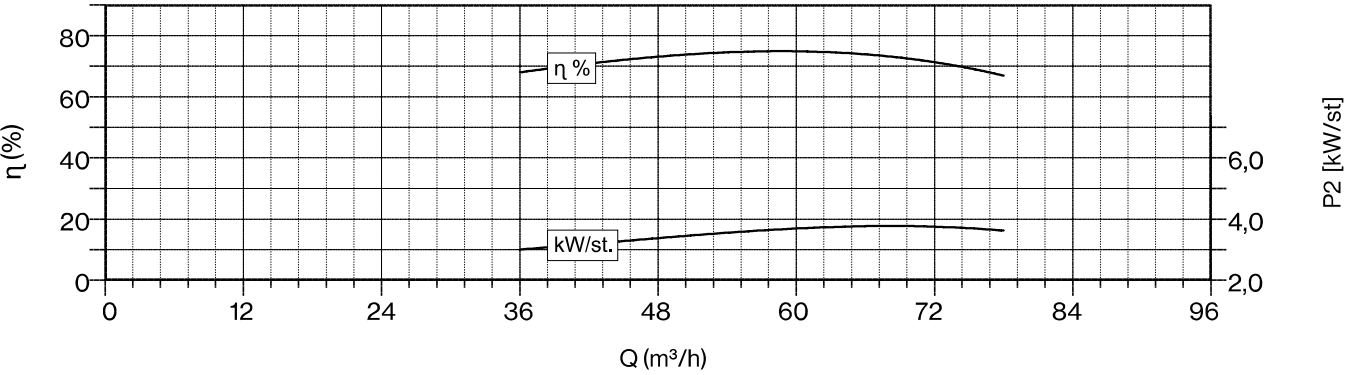
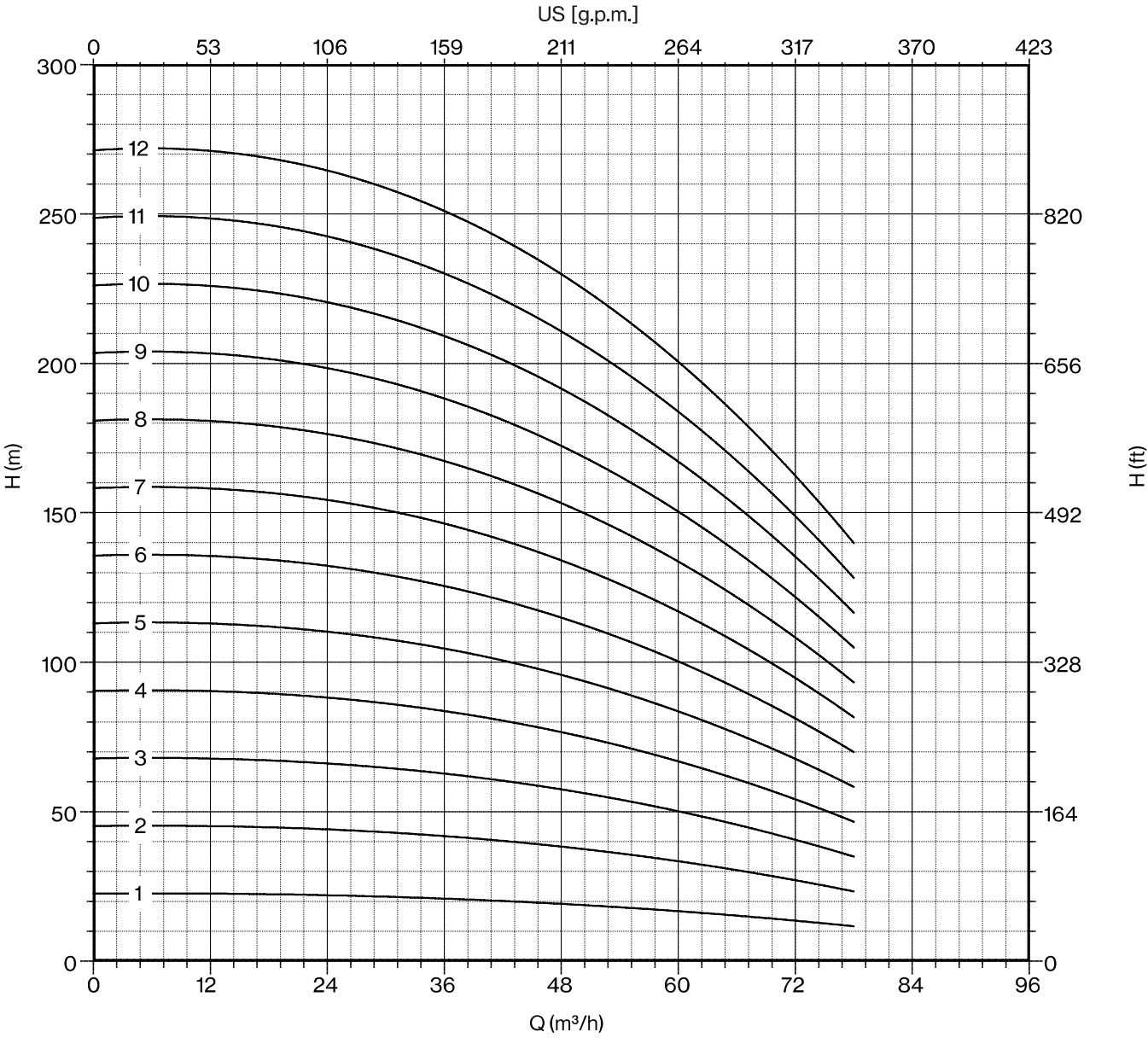
Max Eff. %	75
Max kW / St.	3,8

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,6	3,6	6	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 62/01-6	6" NEMA	1114	468	646	40	22
8LRH 62/02-6		1257	556	701	55	29
8LRH 62/03-6		1455	644	811	65	36
8LRH 62/04-6		1663	732	931	75	44
8LRH 62/05-6		1811	820	991	83	51
8LRH 62/06-6		1979	908	1071	92	58
8LRH 62/07-6		2177	996	1181	100	65
8LRH 62/08-6		2335	1084	1251	108	72
8LRH 62/09-6		2513	1172	1341	118	79
8LRH 62/10-6		2601	1260	1341	118	87
8LRH 62/11	8" NEMA	2471	1348	1123	178	94
8LRH 62/12		2559	1436	1123	178	101

8LRH 62

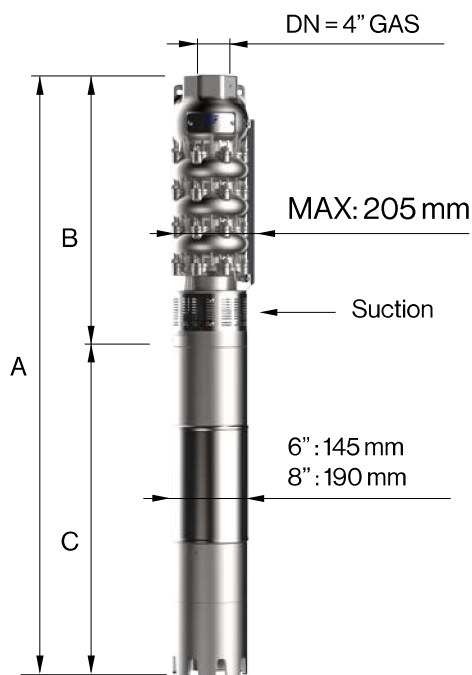


8LRH 62

50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	600	800	900	1000	1100	1200	1300
	P2		CURRENT	I/sec	0,0	10,0	13,3	15,0	16,7	18,3	20,0	21,7
	HP	kW	A	m³/h	0	36	48	54	60	66	72	78
8LRH 62/13	75	55	106,2	H (m)	294	273	247	234	218	198	177	151
8LRH 62/14	75	55	106,2		316	294	266	252	235	213	190	162
8LRH 62/15	90	66	126		339	315	285	270	252	228	204	174
8LRH 62/16	90	66	126		362	336	304	288	269	243	218	186
8LRH 62/17	90	66	126		384	357	323	306	286	258	231	197
8LRH 62/18	100	75	143,2		407	378	342	324	302	274	245	209
8LRH 62/19	100	75	143,2		429	399	361	342	319	289	258	220
8LRH 62/20	100	75	143,2		452	420	380	360	336	304	272	232
8LRH 62/21	125	92	175,1		475	441	399	378	353	319	286	244
8LRH 62/22	125	92	175,1		497	462	418	396	370	334	299	255
8LRH 62/23	125	92	175,1		520	483	437	414	386	350	313	267
8LRH 62/24	125	92	175,1		542	504	456	432	403	365	326	278

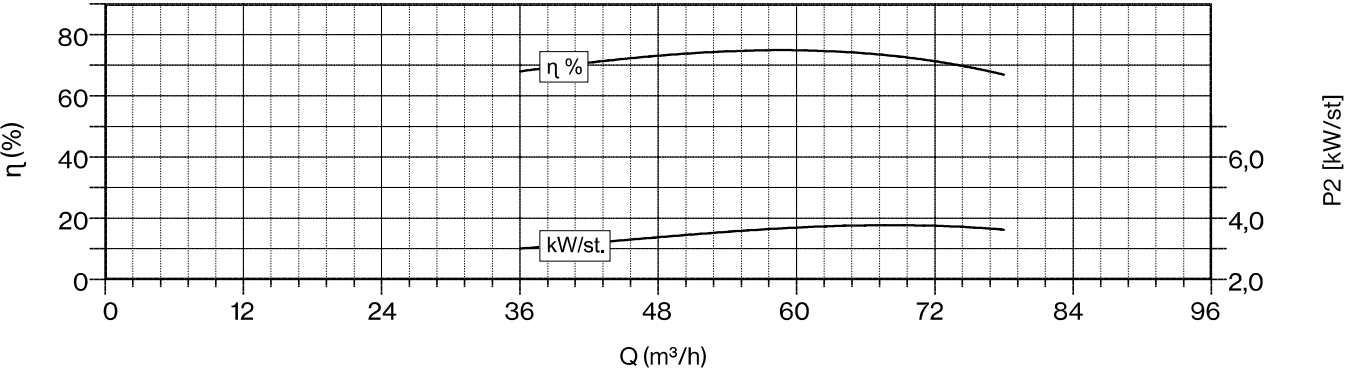
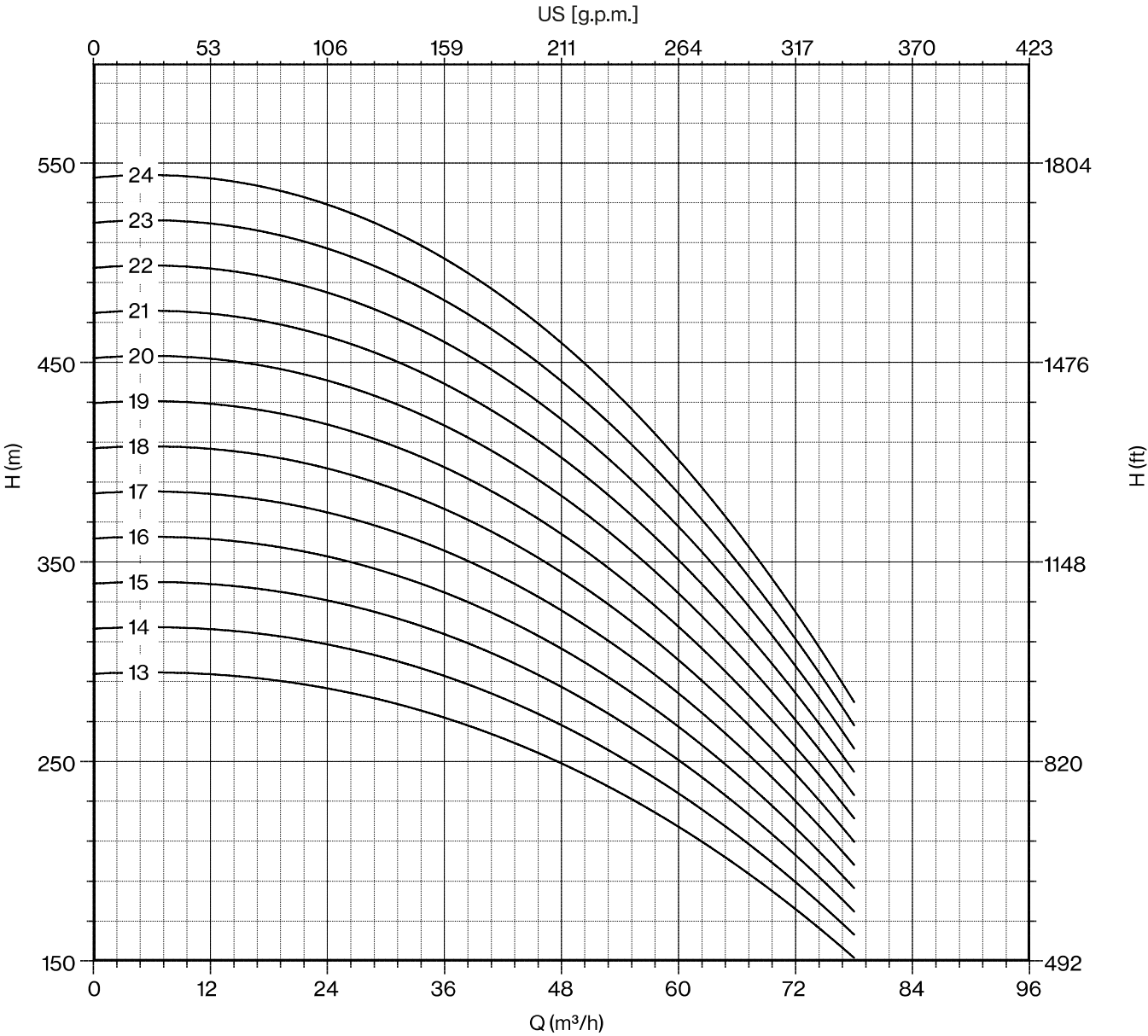
Max Eff. %	75
Max kW / St.	3,8

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,6	3,6	6	8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LRH 62/13	8" NEMA	2757	1524	1233	200	108
8LRH 62/14		2845	1612	1233	200	115
8LRH 62/15		3003	1700	1303	214	122
8LRH 62/16		3091	1788	1303	214	129
8LRH 62/17		3179	1876	1303	214	137
8LRH 62/18		3347	1964	1383	230	144
8LRH 62/19		3435	2052	1383	230	151
8LRH 62/20		3523	2140	1383	230	158
8LRH 62/21		3811	2228	1583	270	165
8LRH 62/22		3899	2316	1583	270	172
8LRH 62/23		3987	2404	1583	270	179
8LRH 62/24		4075	2492	1583	270	187

8LRH 62

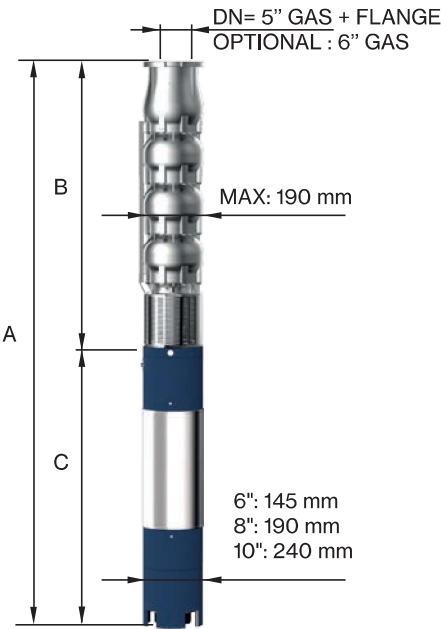


8LM 80

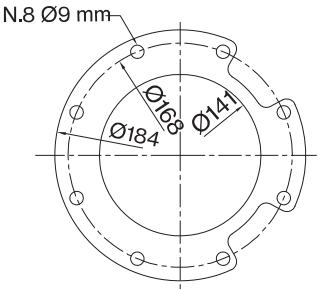
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	300	400	600	800	1000	1200	1400	1600
	P2		CURRENT	I/sec	0	5,0	6,7	10,0	13,3	16,7	20,0	23,3	26,7
	HP	kW	A	m³/h	0	18	24	36	48	60	72	84	96
8LM 80/01	10	7,5	16,3	H (m)	27	26	26	24	23	22	20	18	15
8LM 80/02	17,5	13	27,3		54	53	51	49	47	44	40	35	30
8LM 80/03	25	18,5	38,3		81	79	77	73	70	65	60	53	44
8LM 80/04	35	26	52,9		108	105	103	97	93	87	80	70	59
8LM 80/05	40	30	61,1		135	132	129	122	117	109	100	88	74
8LM 80/06	50	37	75,8		162	158	154	146	140	131	120	105	89
8LM 80/07	60	45	86,3		189	184	180	170	163	153	140	123	104
8LM 80/08	75	55	106,2		216	210	206	194	186	174	160	140	118
8LM 80/09	75	55	106,2		243	237	231	219	210	196	180	158	133
8LM 80/10	90	66	126,0		270	263	257	243	233	218	200	175	148

Max Eff. %	74
Max kW / St.	5,75

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	3,5	4,5

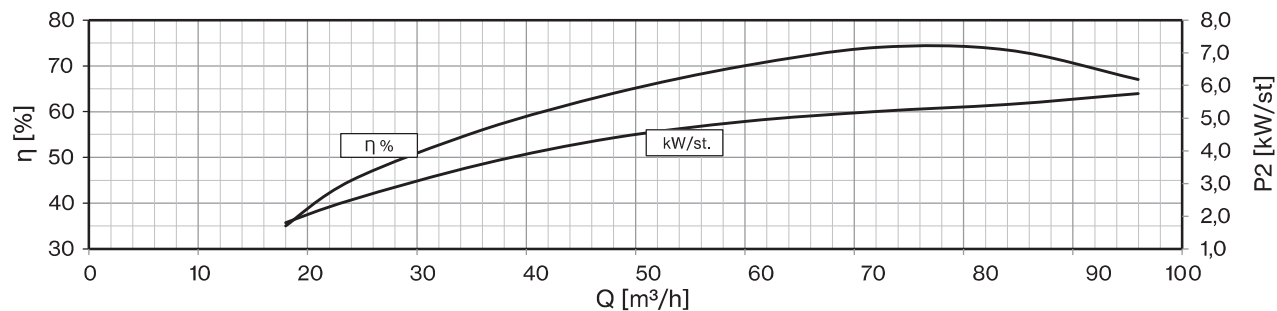
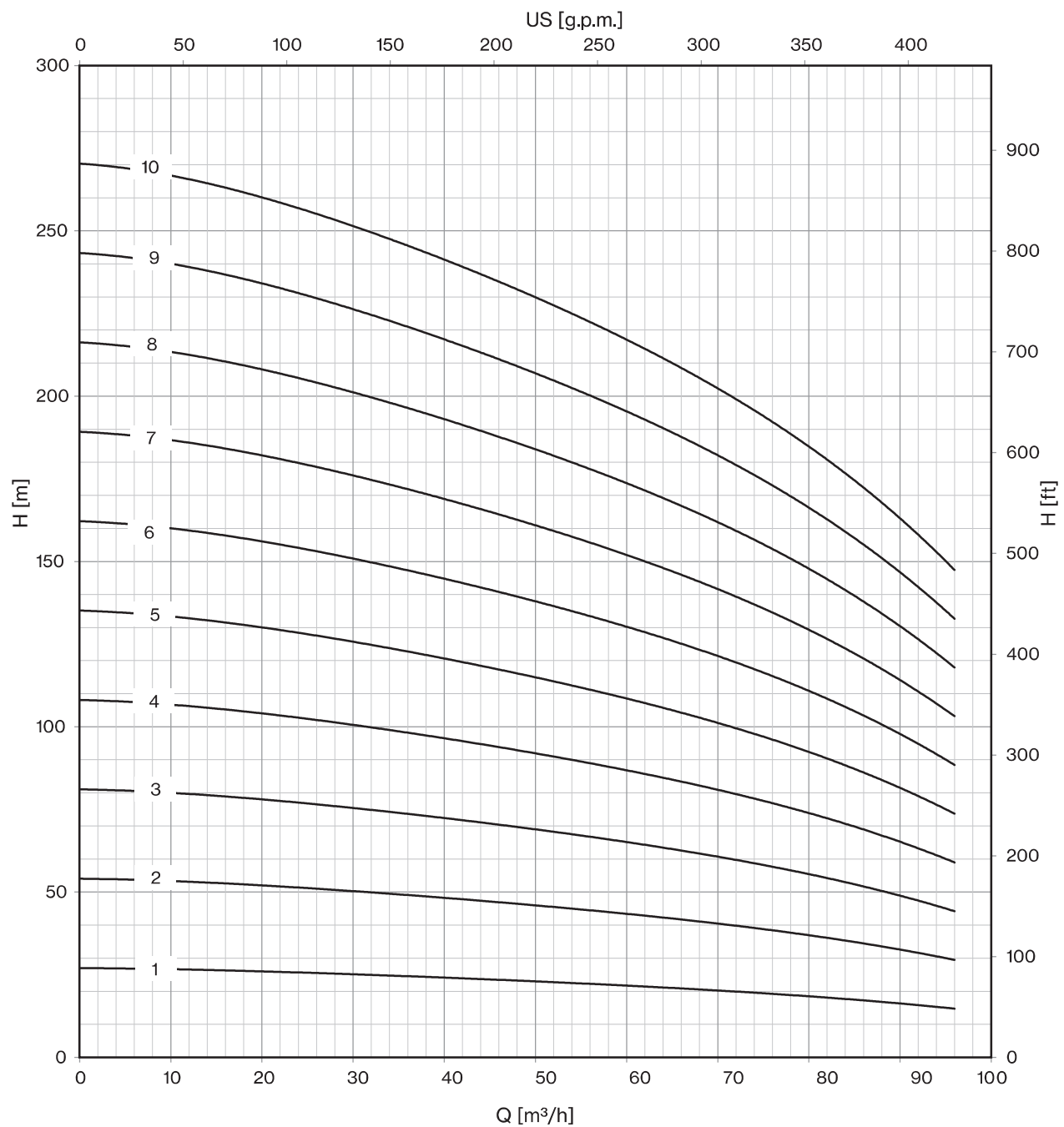


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 80/01-6	6" NEMA	1164	463	701	55	19
8LM 80/02-6		1429	588	841	70	25
8LM 80/03-6		1704	713	991	83	32
8LM 80/04-6		2019	838	1181	100	38
8LM 80/05-6		2214	963	1251	108	45
8LM 80/06-6		2429	1088	1341	118	51
8LM 80/07	8" NEMA	2336	1213	1123	178	58
8LM 80/08		2633	1400	1233	200	65
8LM 80/09		2758	1525	1233	200	71
8LM 80/10		2952	1650	1302	214	78



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 80

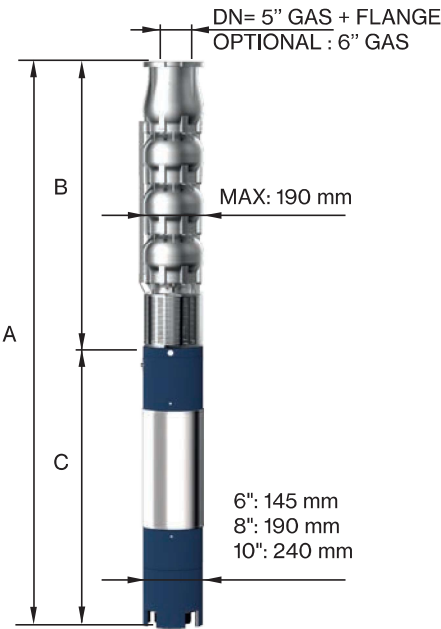


8LM 80

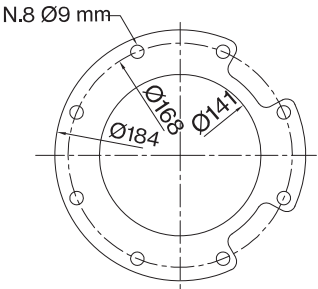
50 Hz - 2900 rpm					Q								
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	300	400	600	800	1000	1200	1400	1600
	P2		CURRENT	I/sec	0	5,0	6,7	10,0	13,3	16,7	20,0	23,3	26,7
	HP	kW	A	m³/h	0	18	24	36	48	60	72	84	96
8LM 80/11	90	66	126,0	H (m)	297	289	283	267	256	240	220	193	163
8LM 80/12	100	75	143,2		324	316	308	292	280	262	240	210	178
8LM 80/13	100	75	143,2		351	342	334	316	303	283	260	228	192
8LM 80/14	125	92	175,1		378	368	360	340	326	305	280	245	207
8LM 80/15	125	92	175,1		405	395	386	365	350	327	300	263	222
8LM 80/16	125	92	175,1		432	421	411	389	373	349	320	280	237
8LM 80/17D	150	110	211,0		459	447	437	413	396	371	340	298	252
8LM 80/18D	150	110	211,0		486	473	463	437	419	392	360	315	266
8LM 80/19D	150	110	211,0		513	500	488	462	443	414	380	333	281
8LM 80/20D	175	130	245,3		540	526	514	486	466	436	400	350	296

Max Eff. %	74
Max kW / St.	5,75

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3	3	3,5	4,5

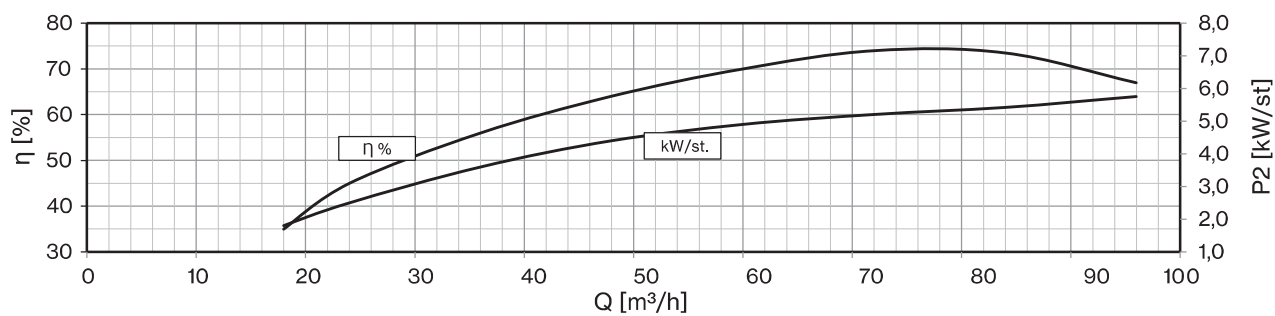
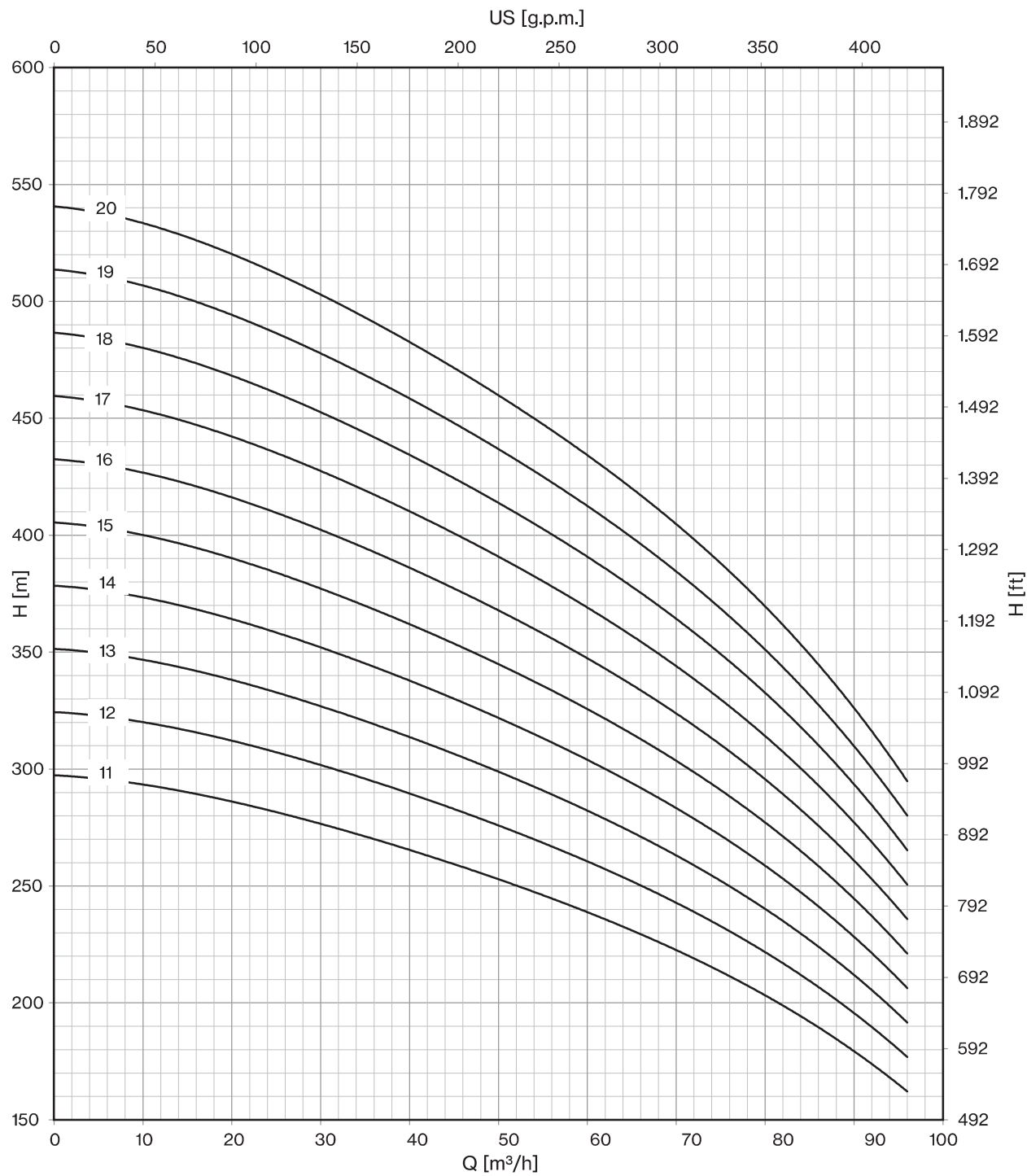


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 80/11	8" NEMA	3077	1775	1302	214	84
8LM 80/12		3283	1900	1383	230	90
8LM 80/13		3408	2025	1383	230	97
8LM 80/14		3733	2150	1583	270	103
8LM 80/15		3858	2275	1583	270	110
8LM 80/16		3983	2400	1583	270	116
8LM 80/17D		4258	2525	1733	300	123
8LM 80/18D		4383	2650	1733	300	129
8LM 80/19D		4508	2775	1733	300	136
8LM 80/20D-10	10"	4534	2900	1634	385	142



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 80

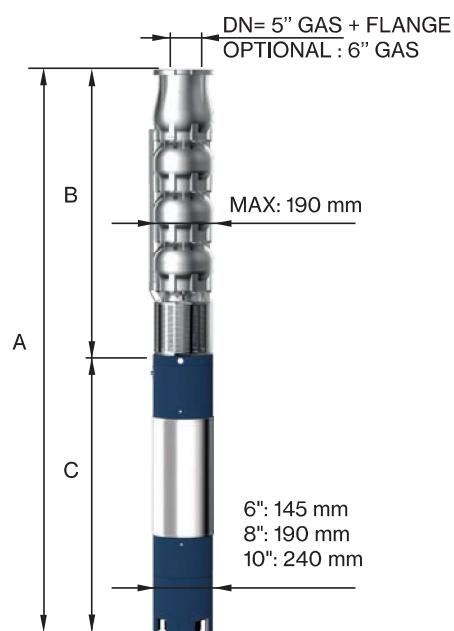


8LM 92

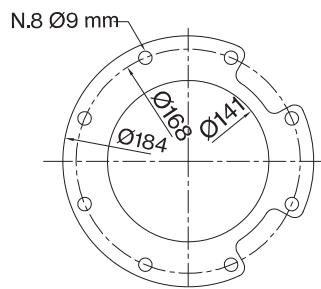
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	300	800	1000	1200	1400	1600	1800	2000	
	P2		CURRENT	I/sec	0	5,0	13,3	16,7	20,0	23,3	26,7	30,0	33,3
	HP	kW	A	m³/h	0	18	48	60	72	84	96	108	120
8LM 92/01	10	7,5	16,3	H (m)	27	26	24	23	22	20	18	16	13
8LM 92/02	17,5	13	27,3		54	53	49	47	44	40	36	31	25
8LM 92/03	30	22	45,1		81	79	73	70	65	60	54	47	38
8LM 92/04	35	26	52,9		108	105	97	93	87	80	72	62	50
8LM 92/05	50	37	75,8		135	132	122	117	109	101	90	78	63
8LM 92/06	60	45	86,3		162	158	146	140	131	121	107	93	76
8LM 92/07	75	55	106,2		189	184	170	163	153	141	125	109	88
8LM 92/08	75	55	106,2		216	210	194	186	174	161	143	124	101
8LM 92/09	90	66	126,0		243	237	219	210	196	181	161	140	113
8LM 92/10	90	66	126,0		270	263	243	233	218	201	179	155	126

Max Eff. %	75
Max kW / St.	6,47

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	2,9	3,9	7,8

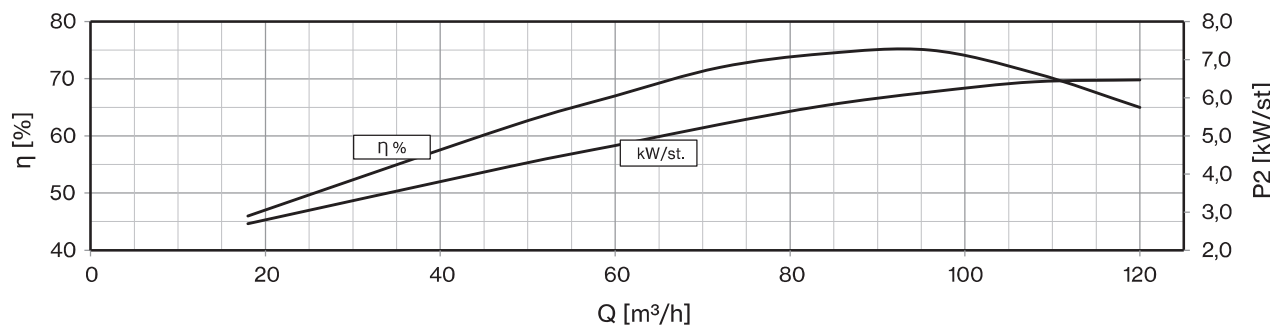
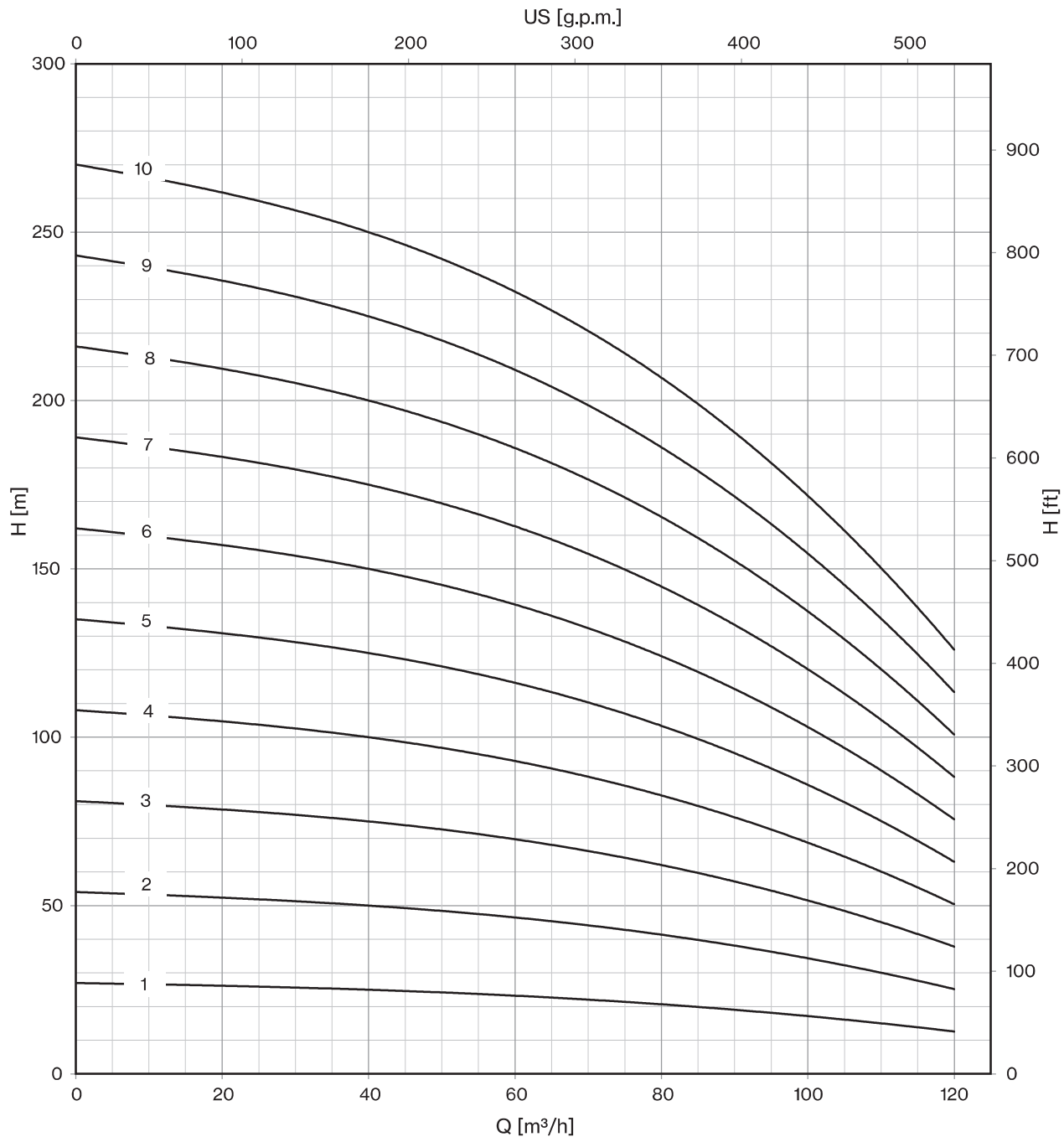


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 92/01-6	6" NEMA	1164	463	701	55	19
8LM 92/02-6		1429	588	841	70	26
8LM 92/03-6		1784	713	1071	92	32
8LM 92/04-6		2019	838	1181	100	39
8LM 92/05-6		2304	963	1341	118	46
8LM 92/06	8" NEMA	2211	1088	1123	178	53
8LM 92/07		2508	1275	1233	200	60
8LM 92/08		2633	1400	1233	200	67
8LM 92/09		2827	1525	1302	214	74
8LM 92/10		2952	1650	1302	214	81



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 92

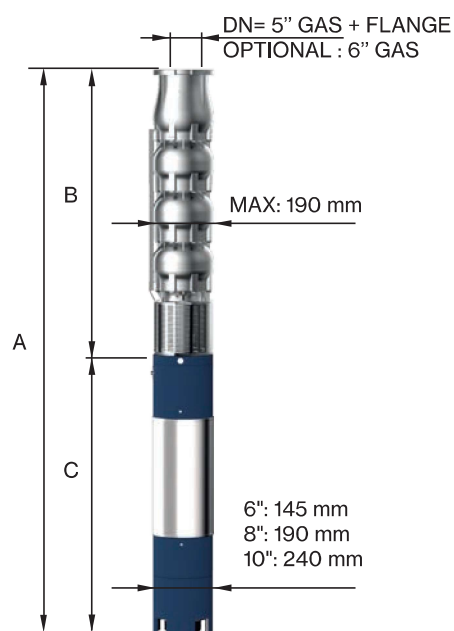


8LM 92

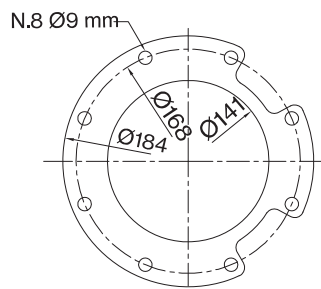
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	300	800	1000	1200	1400	1600	1800	2000	
	P2		CURRENT	I/sec	0	5,0	13,3	16,7	20,0	23,3	26,7	30,0	33,3
	HP	kW	A	m³/h	0	18	48	60	72	84	96	108	120
8LM 92/11	100	75	143,2	H (m)	297	289	267	256	240	221	197	171	139
8LM 92/12	125	92	175,1		324	316	292	280	262	241	215	186	151
8LM 92/13	125	92	175,1		351	342	316	303	283	261	233	202	164
8LM 92/14	125	92	175,1		378	368	340	326	305	281	251	217	176
8LM 92/15D	150	110	211,0		405	395	365	350	327	302	269	233	189
8LM 92/16D	150	110	211,0		432	421	389	373	349	322	286	248	202
8LM 92/17D	150	110	211,0		459	447	413	396	371	342	304	264	214
8LM 92/18D	175	130	245,3		486	473	437	419	392	362	322	279	227
8LM 92/19D	175	130	245,3		513	500	462	443	414	382	340	295	239
8LM 92/20D	175	130	245,3		540	526	486	466	436	402	358	310	252

Max Eff. %	75
Max kW / St.	6,5

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	2,9	3,9	7,8

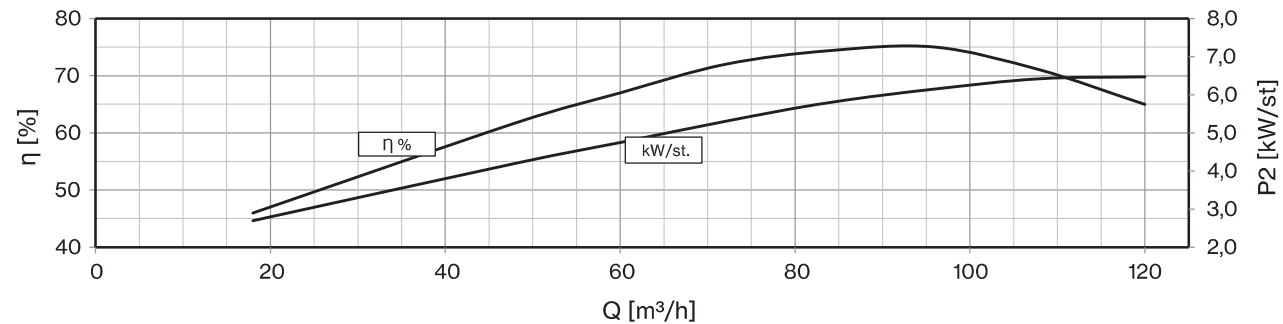
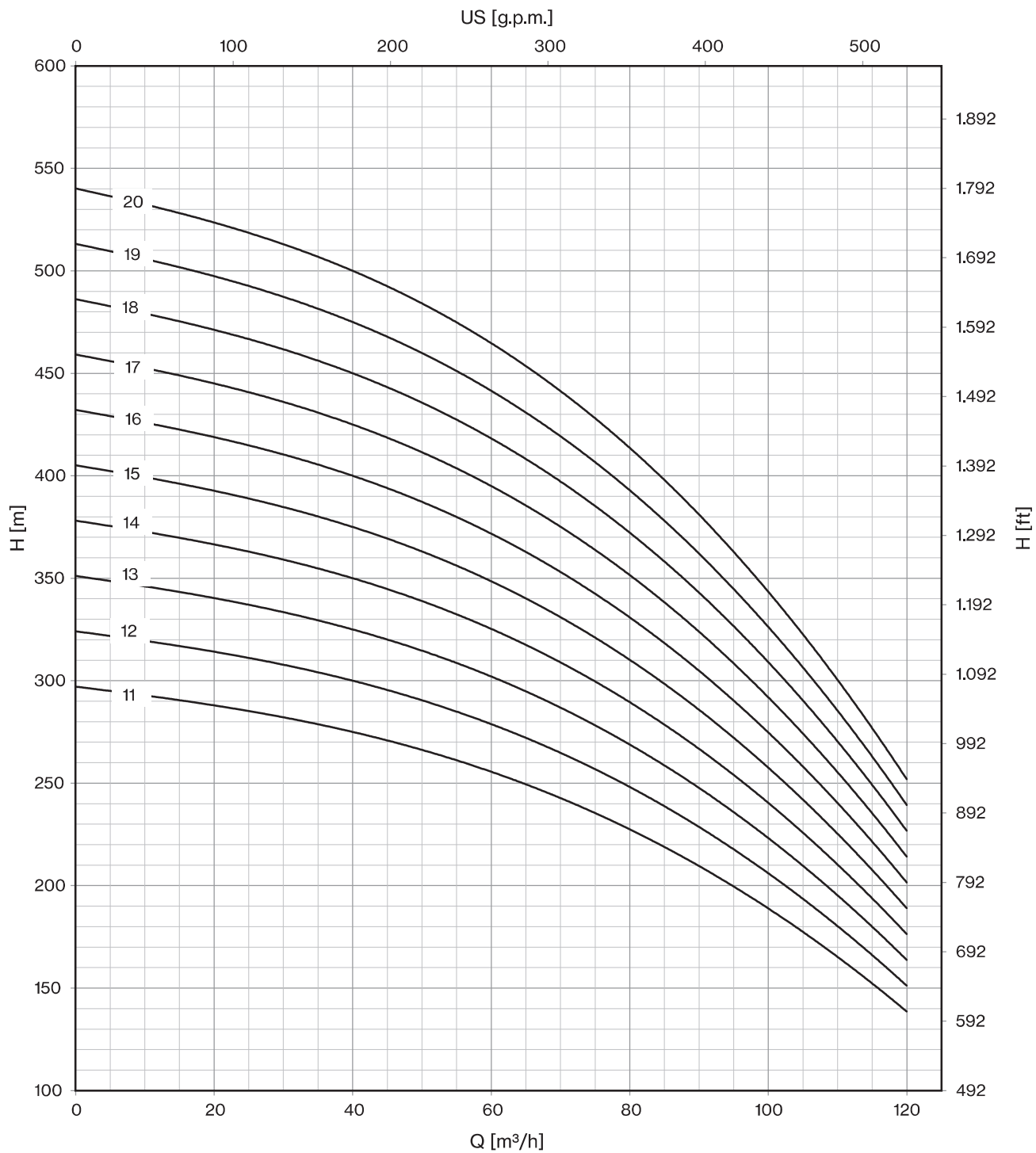


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 92/11	8" NEMA	3158	1775	1383	230	88
8LM 92/12		3483	1900	1583	270	94
8LM 92/13		3608	2025	1583	270	101
8LM 92/14		3733	2150	1583	270	108
8LM 92/15D		4008	2275	1733	300	115
8LM 92/16D		4133	2400	1733	300	122
8LM 92/17D		4258	2525	1733	300	128
8LM 92/18D-10	10"	4284	2650	1634	385	138
8LM 92/19D-10		4409	2775	1634	385	145
8LM 92/20D-10		4534	2900	1634	385	152



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 92

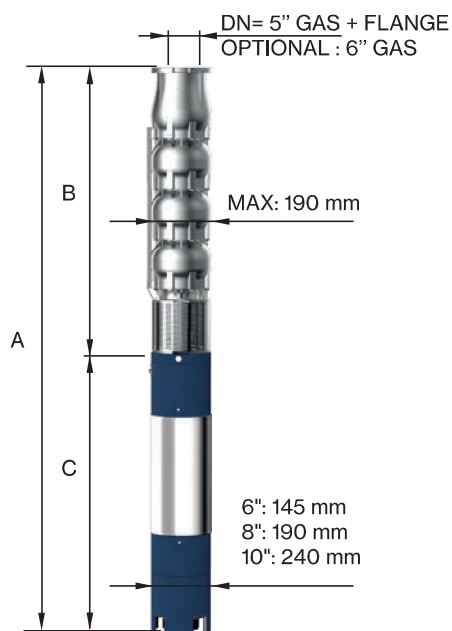


8LM 110

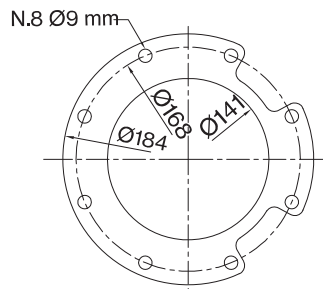
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min		0	600	1200	1400	1600	1800	2000	2200	2400
	P2		CURRENT	I/sec	0	10,0	20,0	23,3	26,7	30,0	33,3	36,7	40,0
	HP	kW	A	m³/h	0	36	72	84	96	108	120	132	144
8LM 110/01	10	7,5	16,3	H (m)	28	25	22	21	20	19	17	15	13
8LM 110/02	20	15	31,5		55	51	44	42	41	38	35	31	26
8LM 110/03	30	22	45,1		83	76	65	63	61	57	52	46	38
8LM 110/04	40	30	61,1		110	101	87	84	82	76	69	62	51
8LM 110/05	50	37	75,8		138	127	109	106	102	96	87	77	64
8LM 110/06	60	45	86,3		165	152	131	127	122	115	104	92	77
8LM 110/07	75	55	106,2		193	177	153	148	143	134	121	108	90

Max Eff. %	77
Max kW / St.	7,2

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	2,9	3,9	7,8

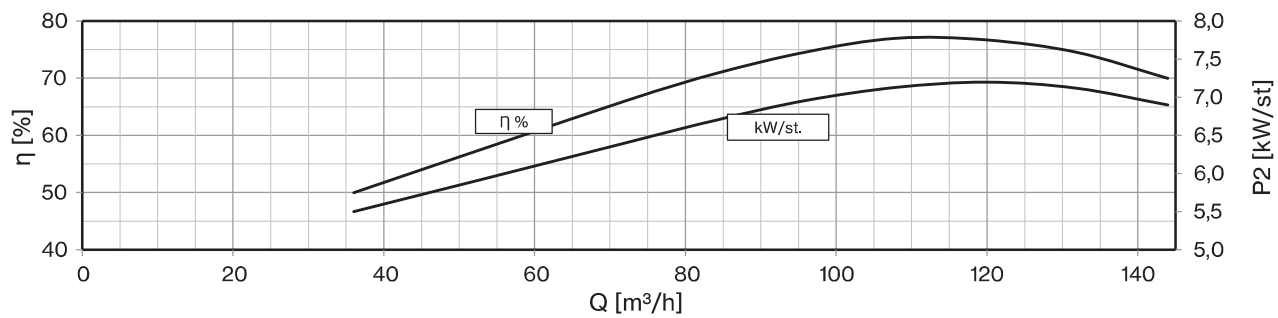
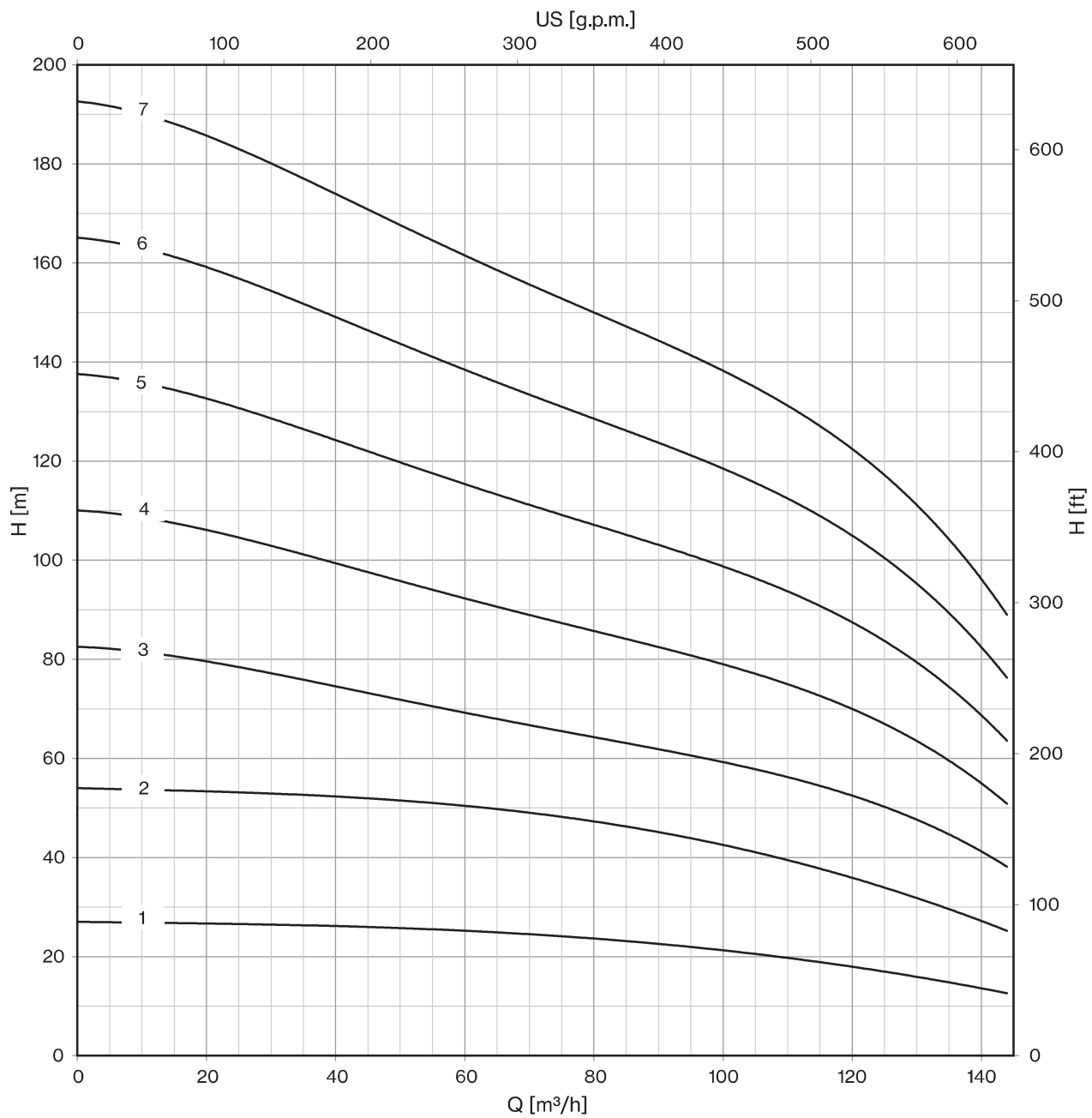


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 110/01-6	6" NEMA	1164	463	701	55	19
8LM 110/02-6		1519	588	931	75	26
8LM 110/03-6		1784	713	1071	92	32
8LM 110/04-6		2089	838	1251	108	39
8LM 110/05-6		2304	963	1341	118	46
8LM 110/06	8" NEMA	2273	1150	1123	178	54
8LM 110/07		2508	1275	1233	200	60



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 110

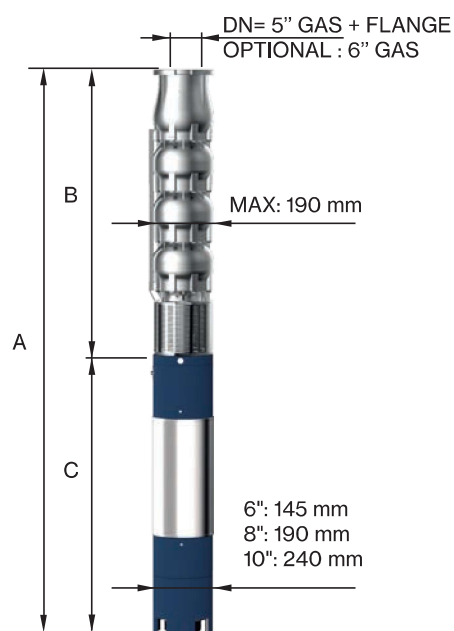


8LM 110

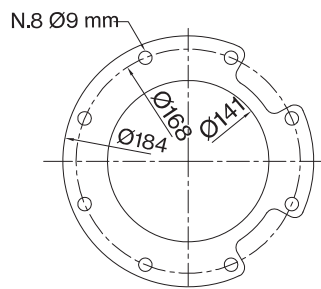
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	600	1200	1400	1600	1800	2000	2200	2400	
	P2		CURRENT	I/sec	0	10,0	20,0	23,3	26,7	30,0	33,3	36,7	40,0
	HP	kW	A	m³/h	0	36	72	84	96	108	120	132	144
8LM 110/08	90	66	126,0	H (m)	220	202	174	169	163	153	138	123	102
8LM 110/09	90	66	126,0		248	228	196	190	184	172	156	139	115
8LM 110/10	100	75	143,2		275	253	218	211	204	191	173	154	128
8LM 110/11	125	92	175,1		303	278	240	232	224	210	190	169	141
8LM 110/12	125	92	175,1		330	304	262	253	245	229	208	185	154
8LM 110/13D	150	110	211,0		358	329	283	274	265	248	225	200	166
8LM 110/14D	150	110	211,0		385	354	305	295	286	267	242	216	179
8LM 110/15D	150	110	211,0		413	380	327	317	306	287	260	231	192
8LM 110/16D	175	130	245,3		440	405	349	338	326	306	277	246	205
8LM 110/17D	175	130	245,3		468	430	371	359	347	325	294	262	218
8LM 110/18D	175	130	245,3		495	455	392	380	367	344	311	277	230

Max Eff. %	77
Max kW / St.	7,2

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	2,9	3,9	7,8

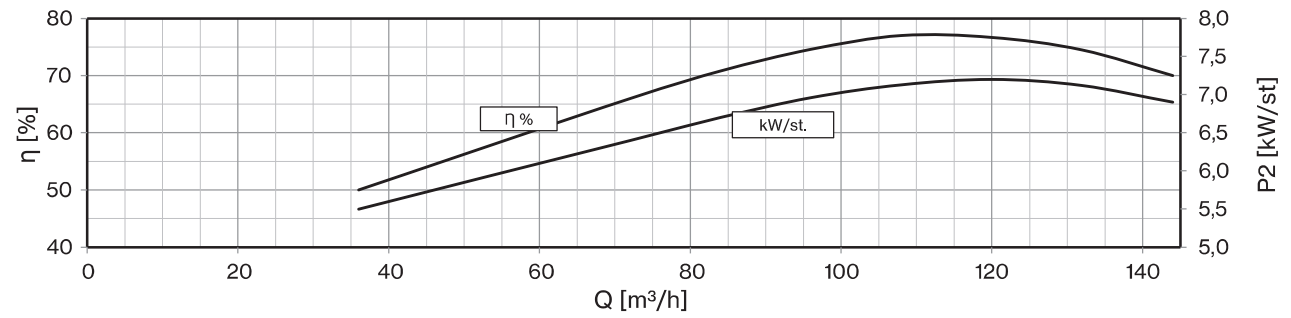
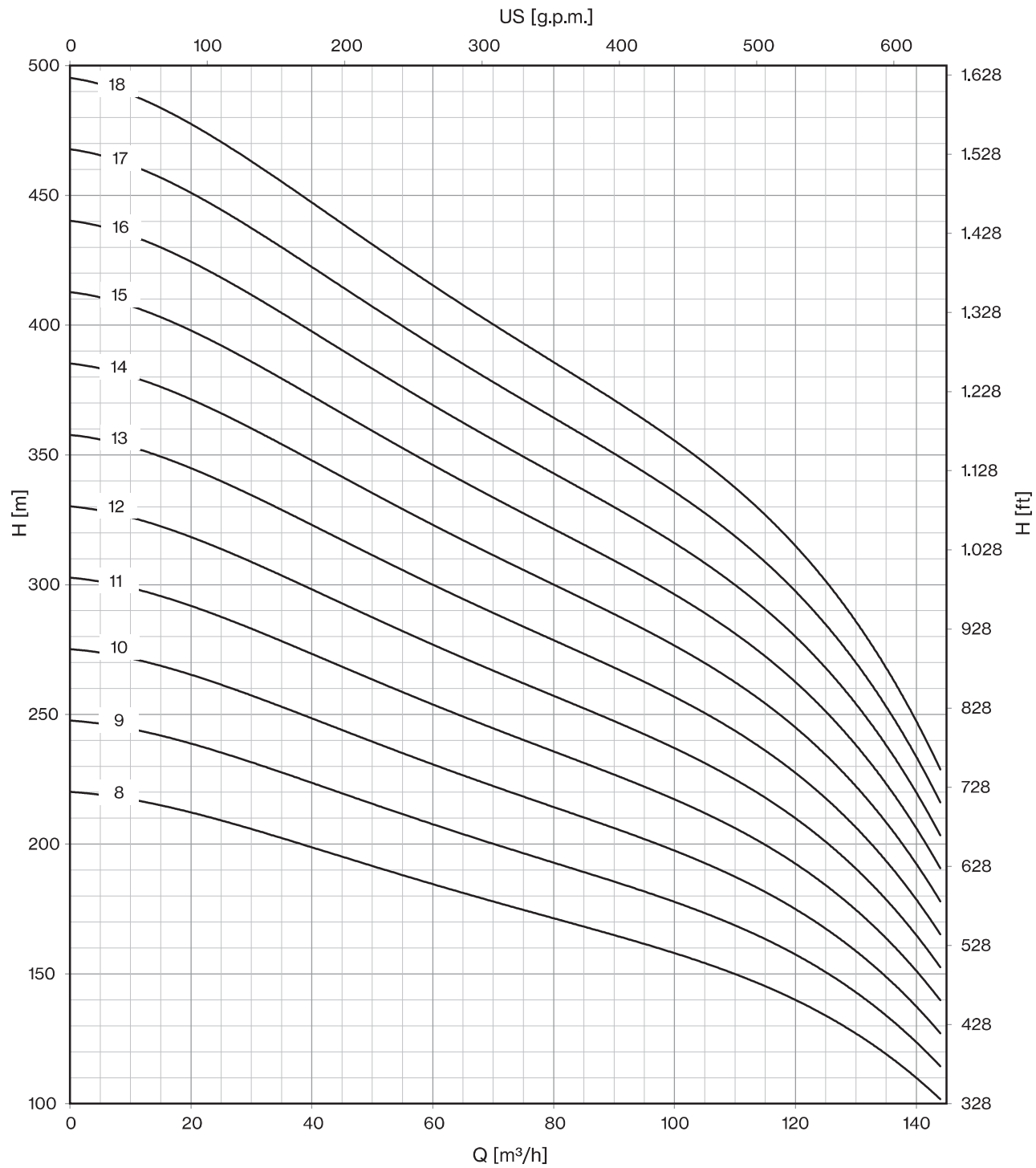


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 110/08	8" NEMA	2702	1400	1302	214	67
8LM 110/09		2827	1525	1302	214	74
8LM 110/10		3033	1650	1383	230	81
8LM 110/11		3358	1775	1583	270	88
8LM 110/12		3483	1900	1583	270	94
8LM 110/13D		3758	2025	1733	300	101
8LM 110/14D		3883	2150	1733	300	108
8LM 110/15D		4008	2275	1733	300	115
8LM 110/16D-10	10"	4034	2400	1634	385	125
8LM 110/17D-10		4159	2525	1634	385	132
8LM 110/18D-10		4284	2650	1634	385	138



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 110

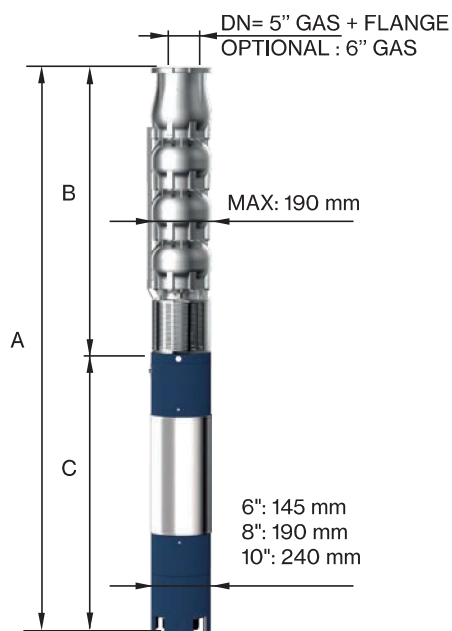


8LM 130

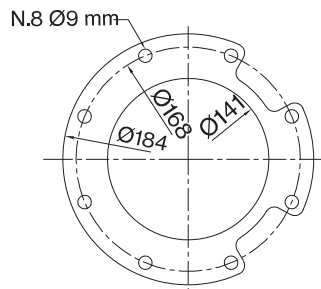
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	600	1600	1800	2000	2200	2400	2600	2800	
	P2		CURRENT	I/sec	0	10,0	26,7	30,0	33,3	36,7	40,0	43,3	46,7
	HP	kW	A	m³/h	0	36	96	108	120	132	144	156	168
8LM 130/01	12,5	9,2	19,9	H (m)	27	25	21	20	19	18	16	15	12
8LM 130/02	25	18,5	38,3		54	49	41	40	38	36	33	29	24
8LM 130/03	35	26	52,9		81	74	62	59	57	54	49	44	36
8LM 130/04	50	37	75,8		108	98	83	79	76	72	66	58	48
8LM 130/05	60	45	86,3		135	123	104	99	95	90	82	73	60
8LM 130/06	75	55	106,2		162	147	124	119	114	108	98	87	72
8LM 130/07	90	66	126,0		189	172	145	139	133	126	115	102	84
8LM 130/08	100	75	143,2		216	196	166	158	152	144	131	116	96

Max Eff. %	78
Max kW / St.	8,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	3	3,5	8,7

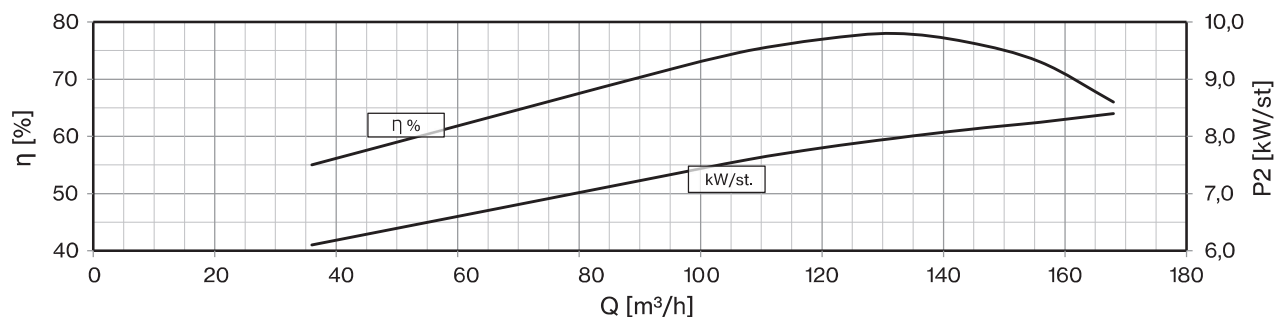
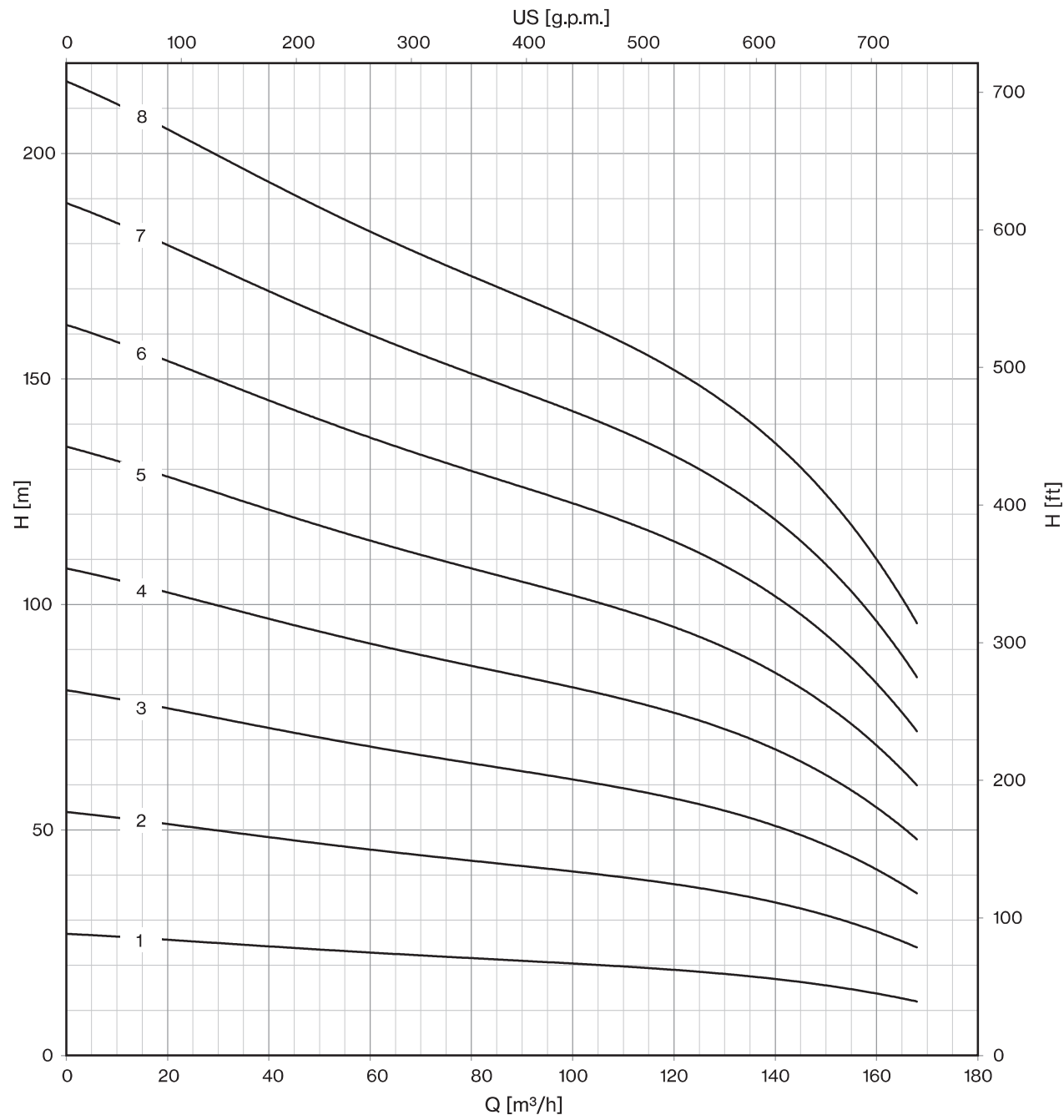


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 130/01-6	6" NEMA	1214	463	751	60	19
8LM 130/02-6		1579	588	991	83	26
8LM 130/03-6		1894	713	1181	100	33
8LM 130/04-6		2179	838	1341	118	40
8LM 130/05	8" NEMA	2148	1025	1123	178	48
8LM 130/06		2383	1150	1233	200	55
8LM 130/07		2577	1275	1302	214	62
8LM 130/08		2783	1400	1383	230	69



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 130

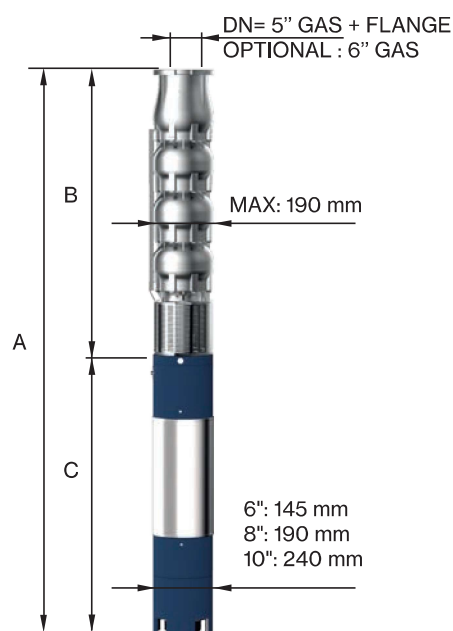


8LM 130

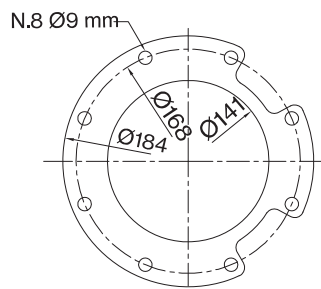
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	600	1600	1800	2000	2200	2400	2600	2800
	P2		CURRENT	I/sec	0	10,0	26,7	30,0	33,3	36,7	40,0	43,3	46,7
	HP	kW	A	m³/h	0	36	96	108	120	132	144	156	168
8LM 130/09	125	92	175,1	H (m)	243	221	186	178	171	162	148	131	108
8LM 130/10	125	92	175,1		270	245	207	198	190	180	164	145	120
8LM 130/11	150	110	211,0		297	270	228	218	209	198	180	160	132
8LM 130/12D	150	110	211,0		324	294	248	238	228	216	197	174	144
8LM 130/13D	150	110	211,0		351	319	269	257	247	234	213	189	156
8LM 130/14D	175	130	245,3		378	343	290	277	266	252	230	203	168
8LM 130/15D	175	130	245,3		405	368	311	297	285	270	246	218	180
8LM 130/16D	200	150	277,2		432	392	331	317	304	288	262	232	192
8LM 130/17D	200	150	277,2		459	417	352	337	323	306	279	247	204
8LM 130/18D	225	165	313,3		486	441	373	356	342	324	295	261	216

Max Eff. %	78
Max kW / St.	8,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	2,5	3	3,5	8,7

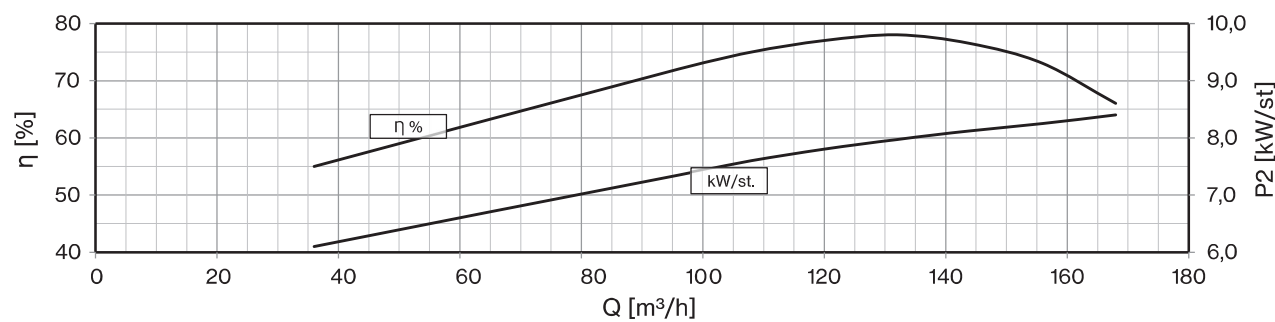
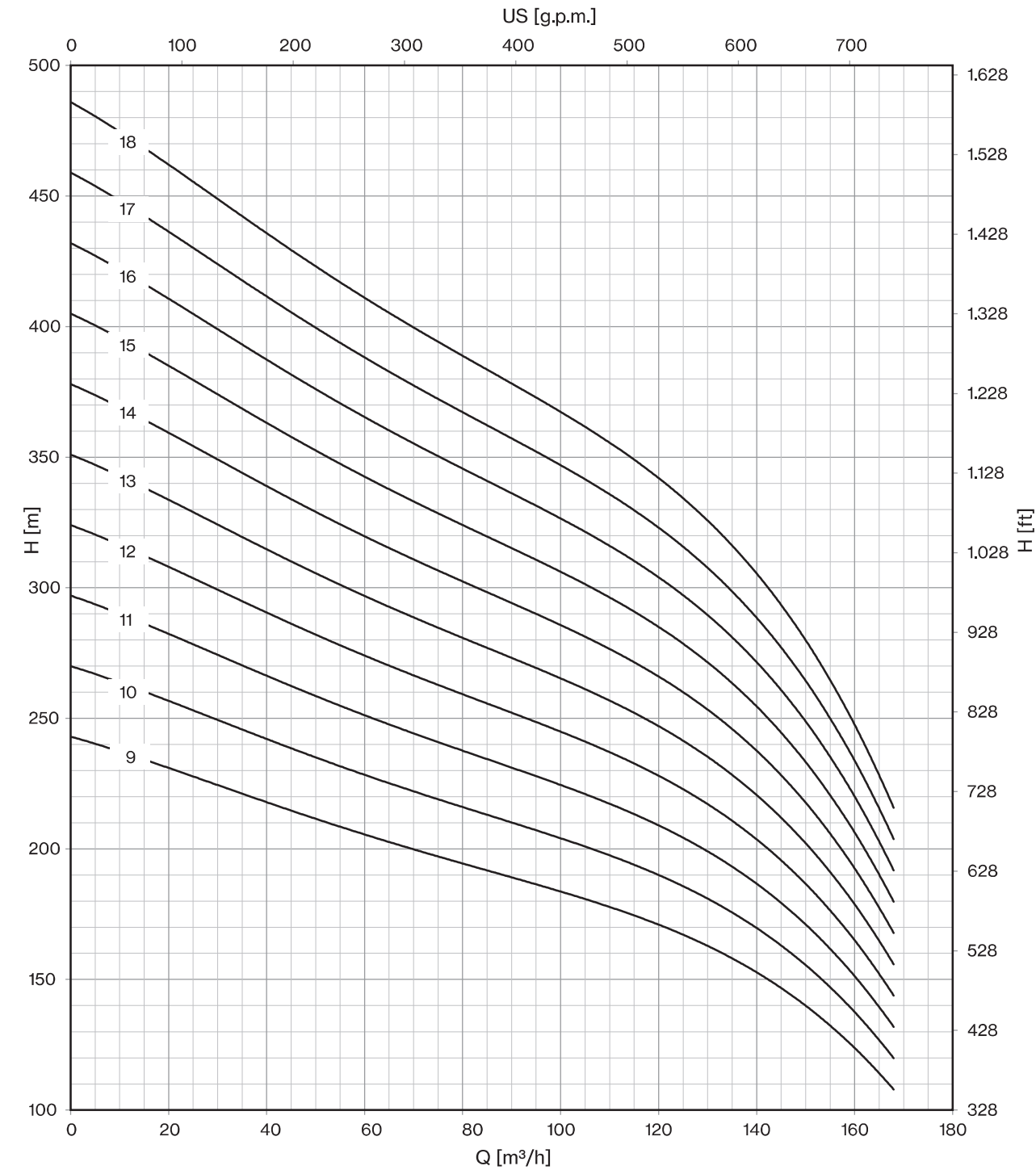


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 130/09	8" NEMA	3108	1525	1583	270	76
8LM 130/10		3233	1650	1583	270	83
8LM 130/11		3508	1775	1733	300	90
8LM 130/12D		3633	1900	1733	300	97
8LM 130/13D		3758	2025	1733	300	104
8LM 130/14D-10	10"	3784	2150	1634	385	114
8LM 130/15D-10		3909	2275	1634	385	121
8LM 130/16D-10		4134	2400	1734	415	128
8LM 130/17D-10		4259	2525	1734	415	135
8LM 130/18D-10		4504	2650	1854	444	142



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 130

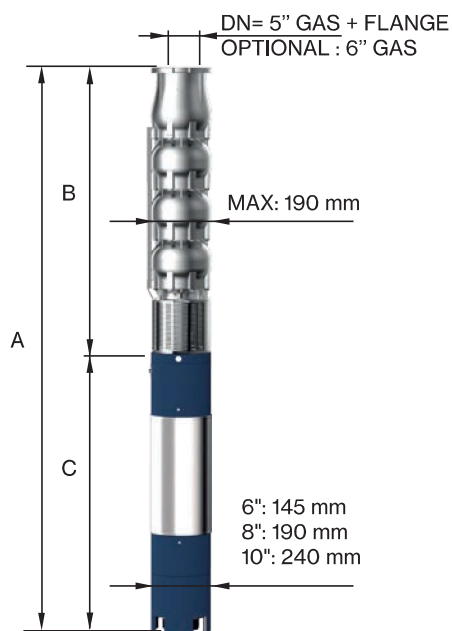


8LM 160

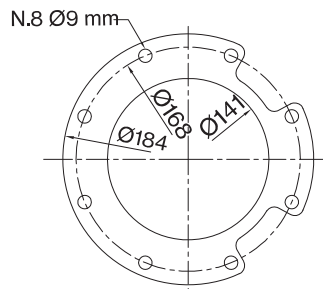
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	600	2000	2200	2400	2600	2800	3000	3200
	P2		CURRENT	I/sec	0	10,0	33,3	36,7	40,0	43,3	46,7	50,0	53,3
	HP	kW	A	m³/h	0	36	120	132	144	156	168	180	192
8LM 160/01	15	11	23,4	H (m)	25	24	19	18	17	17	16	14	12
8LM 160/02	30	22	45,1		50	48	38	36	35	33	31	28	24
8LM 160/03	40	30	61,1		75	71	56	54	52	50	47	41	36
8LM 160/04	60	45	86,3		100	95	75	72	70	66	62	55	48
8LM 160/05	75	55	106,2		125	119	94	91	87	83	78	69	60
8LM 160/06	90	66	126,0		150	143	113	109	104	100	93	83	72
8LM 160/07	90	66	126,0		175	167	132	127	122	116	109	97	84
8LM 160/08	125	92	175,1		200	190	150	145	139	133	124	110	96

Max Eff. %	78,5
Max kW / St.	9,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	4	4,5	7	13

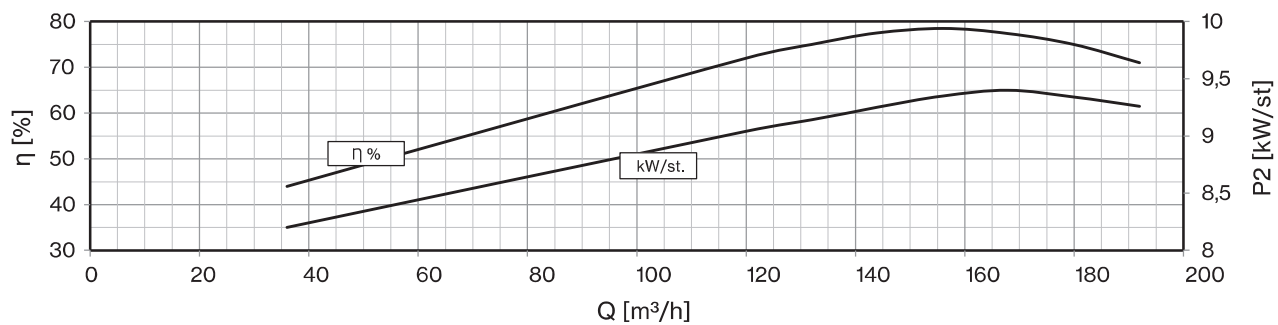
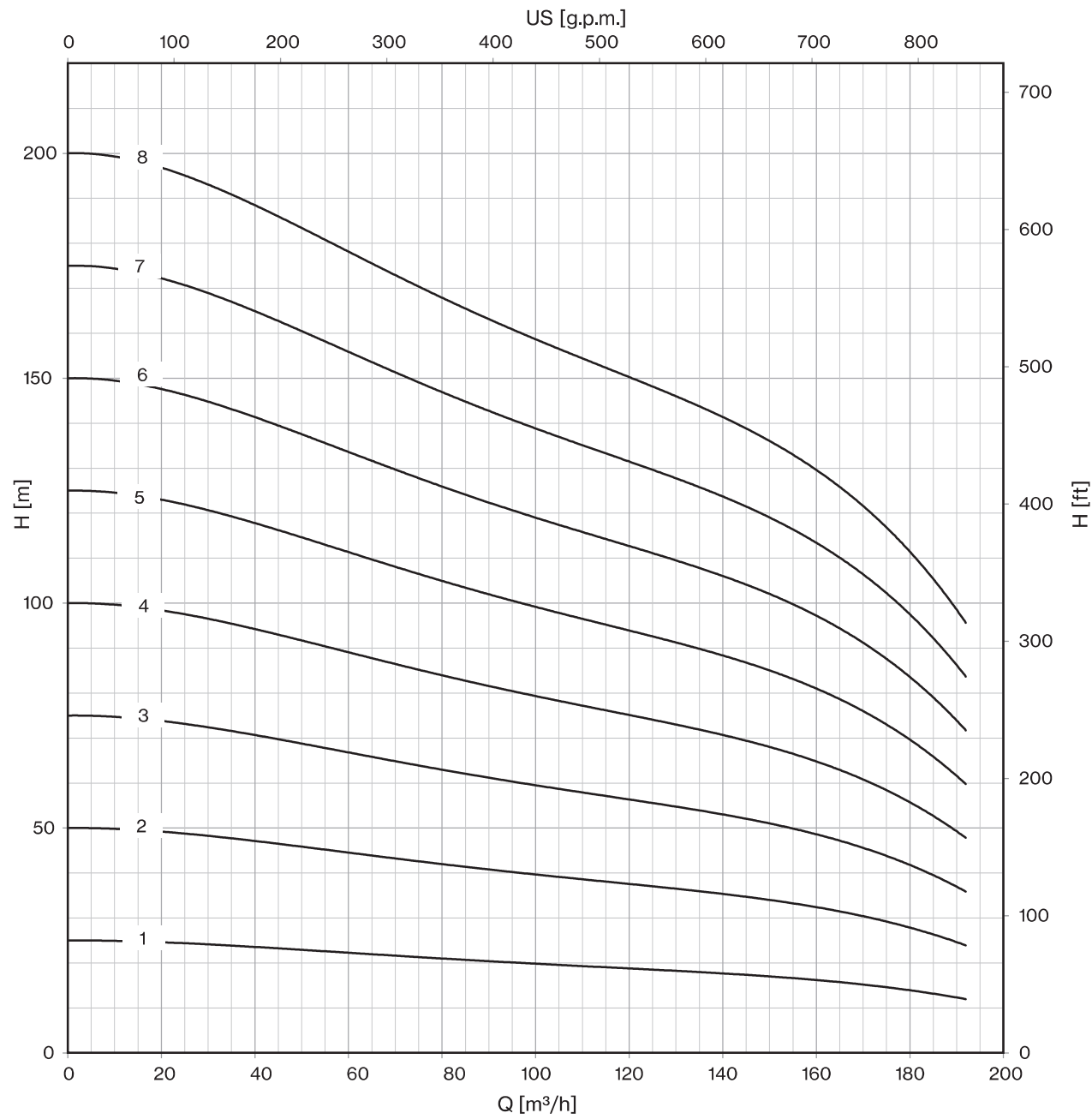


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 160/01-6	6" NEMA	1299	488	811	65	20
8LM 160/02-6		1709	638	1071	92	27
8LM 160/03-6		2039	788	1251	108	35
8LM 160/04	8" NEMA	2061	938	1123	178	42
8LM 160/05		2383	1150	1233	200	50
8LM 160/06		2602	1300	1302	214	58
8LM 160/07		2752	1450	1302	214	65
8LM 160/08		3183	1600	1583	270	73



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 160

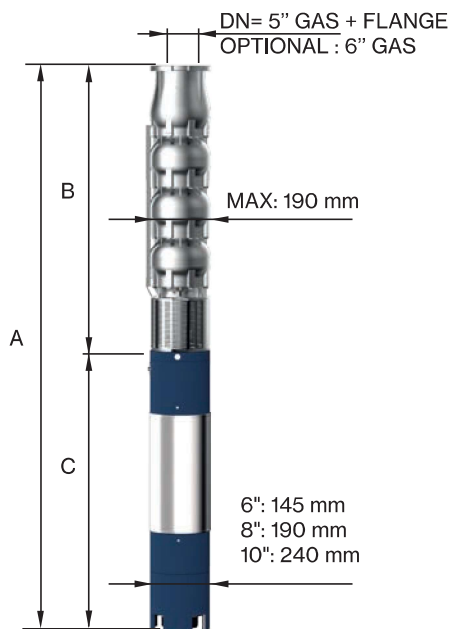


8LM 160

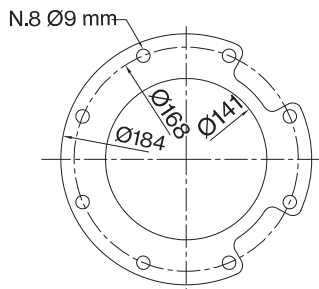
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	600	2000	2200	2400	2600	2800	3000	3200	
	P2		CURRENT	I/sec	0	10,0	33,3	36,7	40,0	43,3	46,7	50,0	53,3
	HP	kW	A	m³/h	0	36	120	132	144	156	168	180	192
8LM 160/09	125	92	175,1	H (m)	225	214	169	163	157	149	140	124	108
8LM 160/10D	150	110	211,0		250	238	188	181	174	166	155	138	120
8LM 160/11D	150	110	211,0		275	262	207	199	191	183	171	152	132
8LM 160/12D	175	130	245,3		300	286	226	217	209	199	186	166	144
8LM 160/13D	175	130	245,3		325	309	244	235	226	216	202	179	156
8LM 160/14D	200	150	277,2		350	333	263	253	244	232	217	193	168
8LM 160/15D	200	150	277,2		375	357	282	272	261	249	233	207	180
8LM 160/16D	225	165	313,3		400	381	301	290	278	266	248	221	192
8LM 160/17D	225	165	313,3		425	405	320	308	296	282	264	235	204
8LM 160/18D	250	185	342,2		450	428	338	326	313	299	279	248	216

Max Eff. %	78,5
Max kW / St.	9,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	4	4,5	7	13

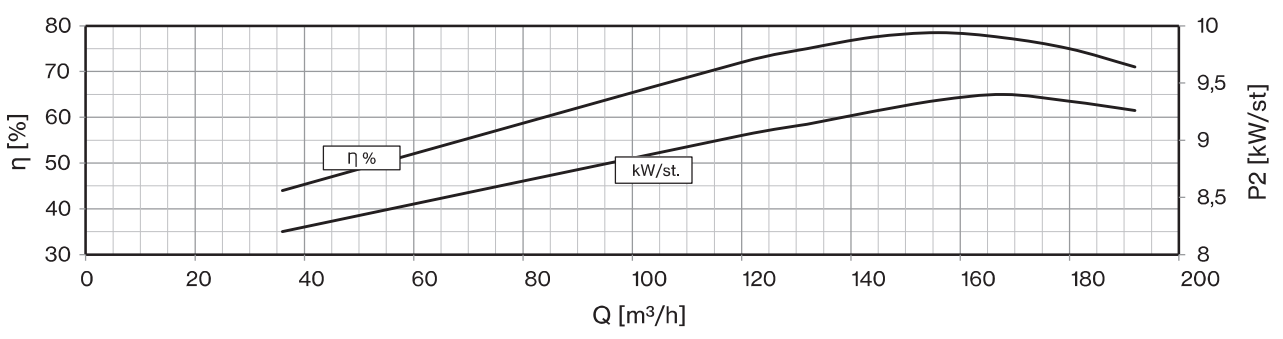
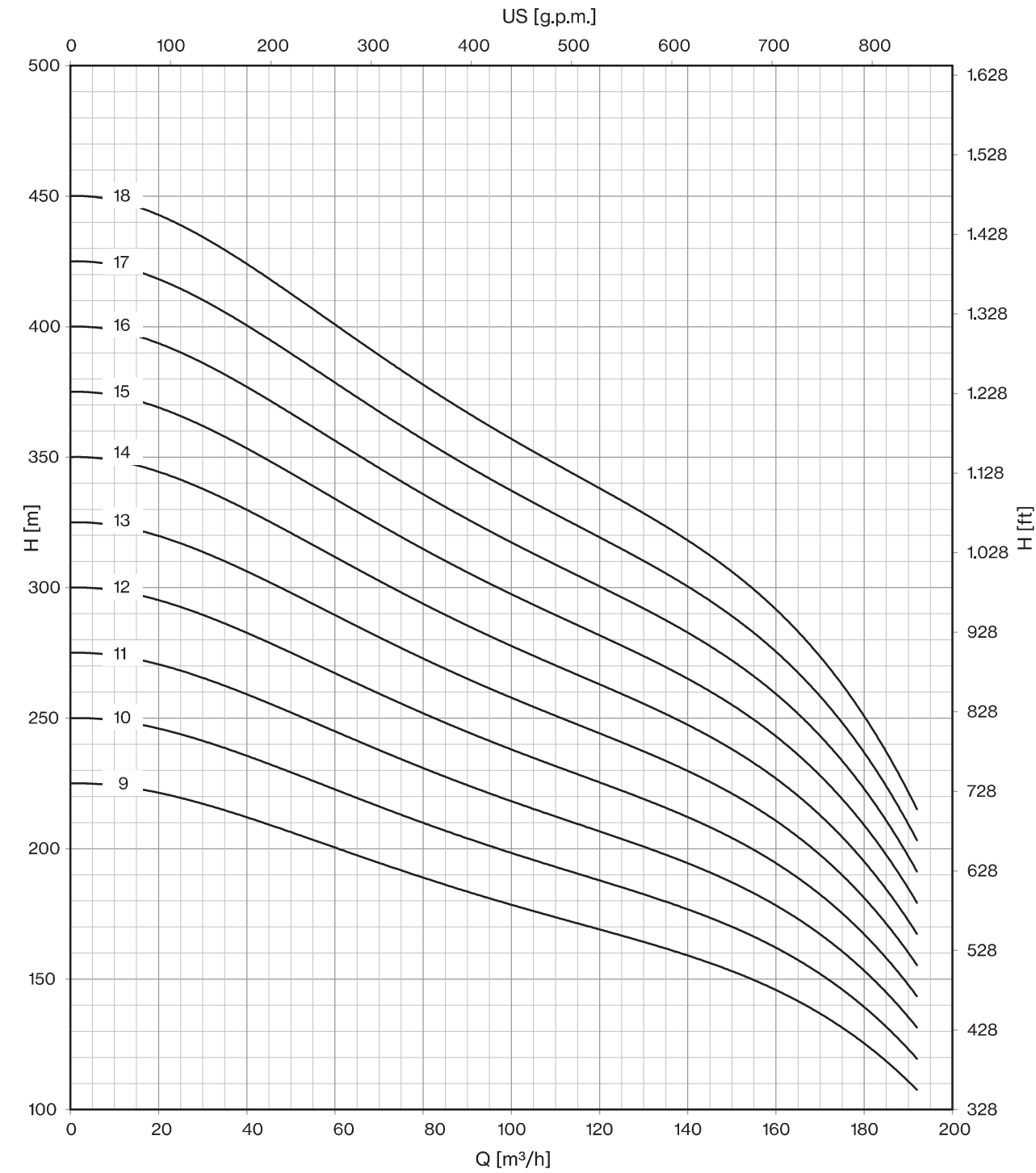


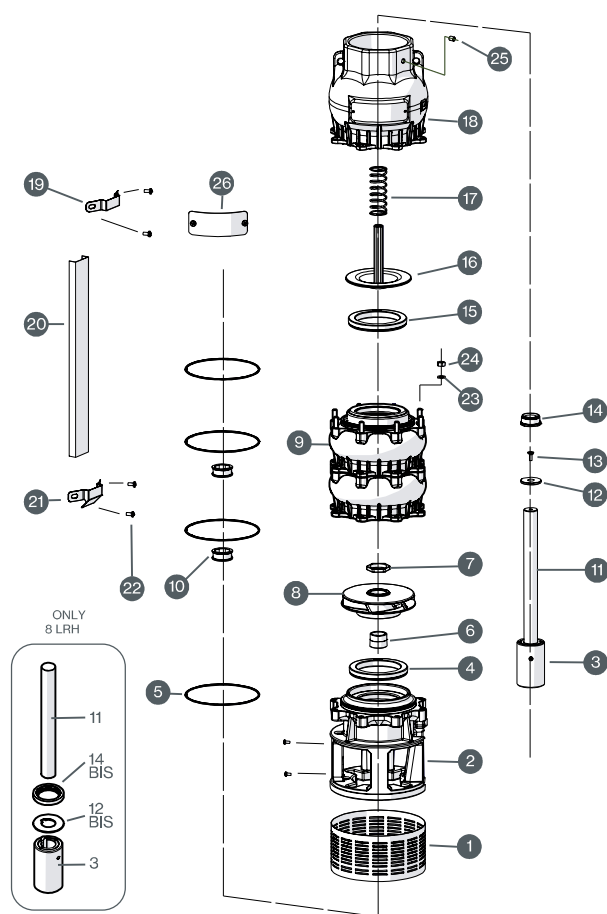
TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
8LM 160/09	8" NEMA	3333	1750	1583	270	80
8LM 160/10D		3633	1900	1733	300	88
8LM 160/11D		3783	2050	1733	300	95
8LM 160/12D-10	10"	3834	2200	1634	385	103
8LM 160/13D-10		3984	2350	1634	385	114
8LM 160/14D-10		4234	2500	1734	415	121
8LM 160/15D-10		4384	2650	1734	415	129
8LM 160/16D-10		4654	2800	1854	444	136
8LM 160/17D-10		4804	2950	1854	444	144
8LM 160/18D-10		5084	3100	1984	480	151



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 139,7 mm

8LM 160

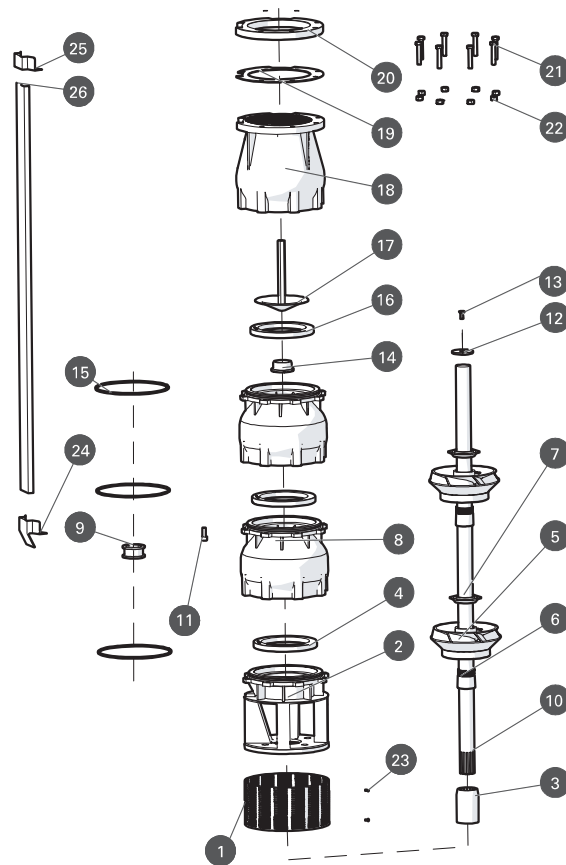




N. CODE	DESCRIPTION	LRHS EXECUTION	LRHX EXECUTION	LRHD EXECUTION	(*) Q.TY
1	SUCTION STRAINER	AISI 304	AISI 316	Duplex EN 1.4462	-
2	MOTOR BRACKET	AISI 304	AISI 316	Duplex EN 1.4462	-
3	COUPLING	AISI 304	AISI 316	Duplex EN 1.4462	1
4	WEAR RING	NBR	NBR	NBR	N° of Stages
5	O-RING	NBR	NBR	NBR	N° of Stages
6	CONE	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
7	HEXAGONAL RING	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
8	IMPELLER	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
9	DIFFUSER	AISI 304	AISI 316	Duplex EN 1.4462	-
10	BEARING BUSH	NBR	NBR	NBR	N° of Stages
11	SHAFT	AISI 304	AISI 316	Duplex EN 1.4462	1
12	DISK	AISI 304	AISI 316	Duplex EN 1.4462	-
13	SCREW	AISI 304	AISI 316	Duplex EN 1.4462	-
14	COUNTERTHRUST	PTFE+25% CARBON	PTFE+25% CARBON	PTFE+25% CARBON	1
15	GASKET VALVE	NBR	NBR	NBR	1
16	VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
17	SPRING	AISI 301	AISI 316	Duplex EN 1.4462	-
18	BODY VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
19	UPPER FLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
20	COVER CABLE	AISI 304	AISI 316	Duplex EN 1.4462	-
21	LOWER FLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
22	SCREW M4x8	AISI 304	AISI 316	Duplex EN 1.4462	-
23	WASHER	AISI 304	AISI 316	Duplex EN 1.4462	-
24	NUT	AISI 304	AISI 316	Duplex EN 1.4462	-
25	GRAIN	AISI 304	AISI 316	Duplex EN 1.4462	-
26	METALLIC LABEL	AISI 304	AISI 316	Duplex EN 1.4462	-

* Recommended spare parts quantity

6LM-8LM



N. CODE	DESCRIPTION	LMS EXECUTION	LMX EXECUTION	LMD EXECUTION	(*) Q.TY
1	SUCTION STRAINER	AISI 304	AISI 316	Duplex EN 1.4462	-
2	MOTOR BRACKET	AISI 304	AISI 316	Duplex EN 1.4462	-
3	COUPLING	AISI 304	AISI 316	Duplex EN 1.4462	1
4	WEAR RING	NBR	NBR	NBR	N° of Stages
5	IMPELLER	AISI 304	AISI 316	Duplex EN 1.4462	-
6	CONE	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
7	HEXAGONAL RING	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
8	DIFFUSEUR	AISI 304	AISI 316	Duplex EN 1.4462	-
9	BEARING BUSH	NBR	NBR	NBR	N° of Stages
10	PUMP SHAFT	AISI 304	AISI 316	Duplex EN 1.4462	1
11	N.8 SCREW FOR DIFFUSEUR	AISI 304	AISI 316	Duplex EN 1.4462	-
12	RING	AISI 304	AISI 316	Duplex EN 1.4462	1
13	SCREW FOR DISK	AISI 304	AISI 316	Duplex EN 1.4462	1
14	COUNTERTHRUST	PTFE + 25% CARBON	PTFE + 25% CARBON	PTFE + 25% CARBON	1
15	O-RING	NBR	NBR	NBR	N° of Stages
16	GASKET VALVE	NBR	NBR	NBR	1
17	CAP VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
18	BODY VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
19	SEAL COUNTERFLANGE	NBR	NBR	NBR	1
20	COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
21	N.8 SCREW FOR COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
22	N.8 NUT FOR COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
23	N.2 SCREW FOR SUCTION STRAINER	AISI 304	AISI 316	Duplex EN 1.4462	-
24	LOWER CLAMP	AISI 304	AISI 316	Duplex EN 1.4462	-
25	UPPER CLAMP	AISI 304	AISI 316	Duplex EN 1.4462	-
26	COVER CABLE	AISI 304	AISI 316	Duplex EN 1.4462	-

* Recommended spare parts quantity

10-12LM & E14 lines

Deepwell Borehole

Submersible Multistage Centrifugal Pumps for 10", 12", and 14" Wells. These pumps are equipped with a check valve integrated into the delivery outlet. The pump motor bracket and coupling are designed in accordance with NEMA standards, ensuring reliability and compatibility. Common applications include civil and agricultural uses. All components are manufactured from stainless steel using lost wax microfusion technology. The standard material is AISI 304 stainless steel, with the following materials available upon request: AISI 316 stainless steel, Duplex steel (EN 1.4462), and AISI 904L stainless steel. The bushing bearings and wear rings are made from sand abrasion-resistant rubber, while the reverse-thrust ring is constructed from PTFE/Graphite for enhanced durability and performance.

General operating data:

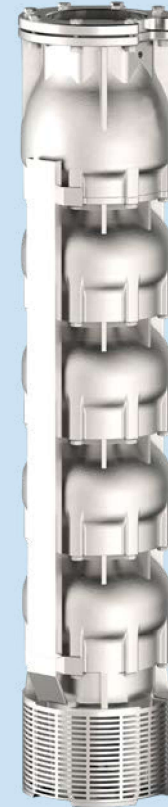
- Capacity up to 860 m³/h
- Pressure up to 540 m
- Hydraulic efficiency 10", up to 79,3%
- Hydraulic efficiency 12", up to 82,5%
- Hydraulic efficiency 14", up to 85,7%
- Powers up to 400 kW
- Rotation speed 2.900 rpm
- Maximum depth: 350 m
- Maximum quantity of sand: 100 gr/m³
- Drinking water compatibility according to DM174 MEI $\geq 0,4$ (EU directive No.547/2012)
- Performance tolerance: ISO9906-3B.

Construction features

Suction and delivery outlet and NRV valve	stainless steel AISI 304 (LMS)
	stainless steel AISI 316 (LMX - EX)
	Duplex EN 1.4462 (LMD - ED)
	Cast iron (E)
Impellers and diffusers	stainless steel AISI 304 (LMS)
	stainless steel AISI 316 (LMX - EX)
	Duplex EN 1.4462 (LMD - ED)
	Cast iron (E)
Upper bushings	NBR rubber
Shaft pump side	stainless steel AISI 304 (LMS)
	stainless steel AISI 316 (LMX)
	Duplex EN 1.4462 (LMD)
	stainless steel AISI 431 (E - EX - ED)
Quantity of sand in the water	max 100 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



10LM line



12LM line



E14

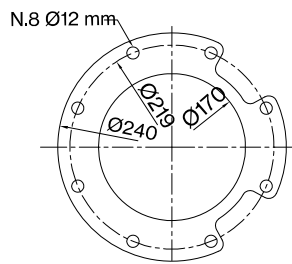
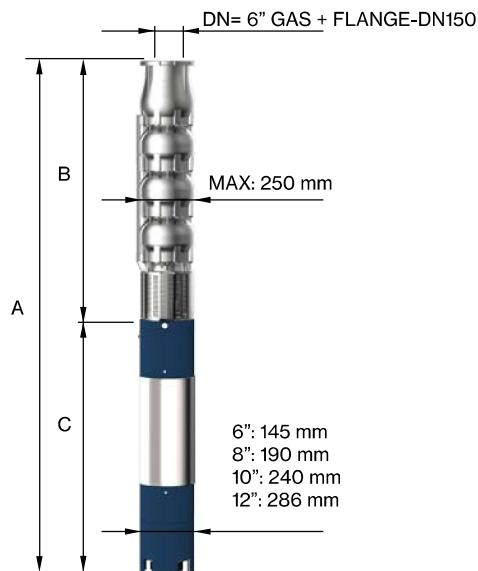


10LM 190

50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	700	1800	2200	2600	3000	3400	3800	4000
	P2		CURRENT		0	11,7	30,0	36,7	43,3	50,0	56,7	63,3	66,7
	HP	kW	A		0	42	108	132	156	180	204	228	240
10LM 190/01DR20	25	18,5	38,3		35	34	32	30	27	24	21	16	14
10LM 190/01	30	22	45,1		42	41	38	36	34	31	28	23	21
10LM 190/02DR10	50	37	75,8		76	75	70	66	61	55	48	40	35
10LM 190/02	60	45	86,3		83	82	77	73	68	62	55	47	41
10LM 190/03DR20	75	55	106,2		104	102	95	89	82	73	62	49	42
10LM 190/03	90	66	126,0		125	124	115	109	102	93	83	70	62
10LM 190/04DR10	100	75	143,2		152	150	140	132	122	110	96	79	70
10LM 190/04	125	92	175,1		166	165	154	146	136	124	110	94	82
10LM 190/05DR10	150	110	211,0		190	188	175	165	153	138	120	99	87
10LM 190/05D	150	110	211,0		208	206	192	182	170	155	138	117	103
10LM 190/06DR10D	175	130	245,3		228	225	210	198	184	166	144	119	104
10LM 190/06D	175	130	245,3		250	247	230	218	204	186	166	140	124

Max Eff. % DR20 =	76,5
Max Eff. % DR10 =	77,5
Max Eff. %	77
Max kW / St. DR20 =	16
Max kW / St. DR10 =	18,5
Max kW / St.	20,8

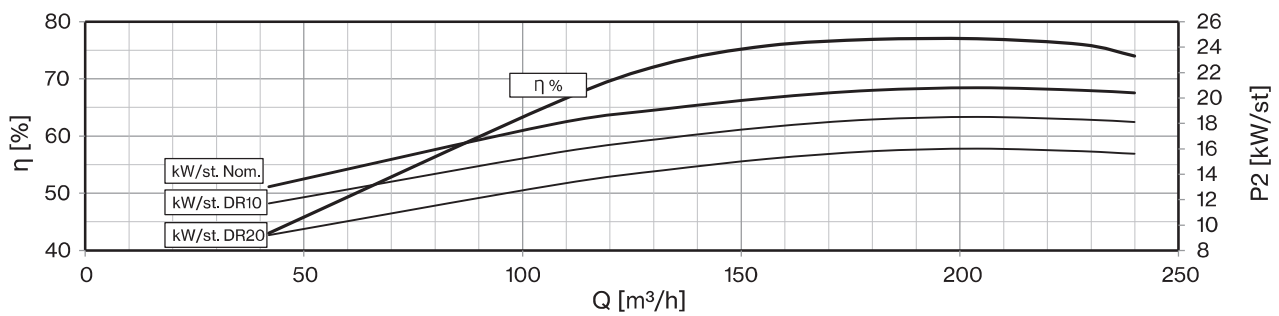
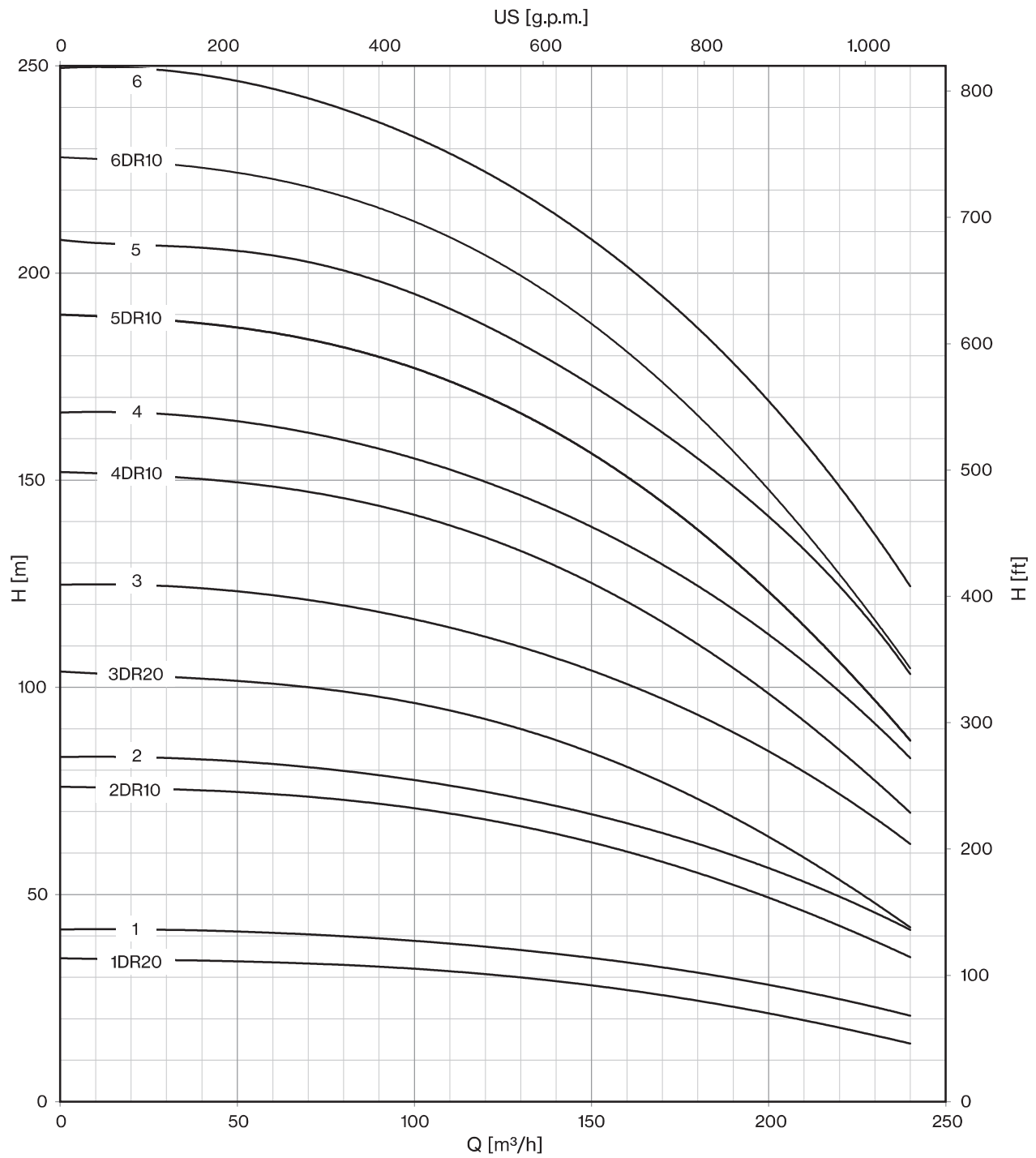
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 190/01DR20-8	8" NEMA	1616	625	991	83	41
10LM 190/01-8		1696	625	1071	92	41
10LM 190/02DR10-8		2146	805	1341	118	56
10LM 190/02-8		1928	805	1123	178	56
10LM 190/03DR20-8		2218	985	1233	200	72
10LM 190/03-8		2287	985	1302	214	72
10LM 190/04DR10-8		2548	1165	1383	230	87
10LM 190/04-8		2748	1165	1583	270	87
10LM 190/05DR10-8		2898	1165	1733	300	87
10LM 190/05D-8		2898	1165	1733	300	87
10LM 190/06DR10D	10"	2799	1165	1634	385	87
10LM 190/06D		2799	1165	1634	385	87

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

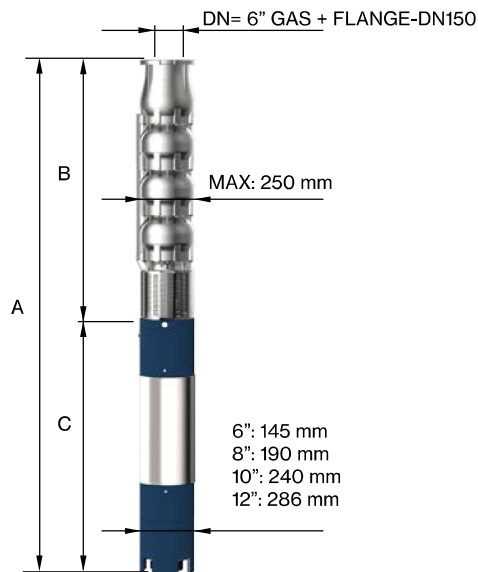


10LM 190

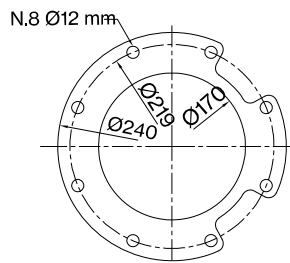
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	700	1800	2200	2600	3000	3400	3800	4000	
	P2		CURRENT	I/sec	0	11,7	30,0	36,7	43,3	50,0	56,7	63,3	66,7
	HP	kW	A	m³/h	0	42	108	132	156	180	204	228	240
10LM 190/07DR10D	175	130	245,3	H (m)	266	263	245	231	214	193	168	139	122
10LM 190/07D	200	150	277,2		291	288	269	255	238	217	193	164	144
10LM 190/08DR10D	200	150	277,2		304	300	280	264	245	221	192	158	139
10LM 190/08D	250	185	342,2		333	330	307	291	272	248	221	187	165
10LM 190/09D	300	220	430,0		374	371	346	328	306	279	248	211	185
10LM 190/10D	300	220	430,0		416	412	384	364	340	310	276	234	206
10LM 190/11D	340	250	481,0		458	453	422	400	374	341	304	257	227

Max Eff. % DR20 =	76,5
Max Eff. % DR10 =	77,5
Max Eff. %	77
Max kW / St. DR20 =	16
Max kW / St. DR10 =	18,5
Max kW / St.	20,8

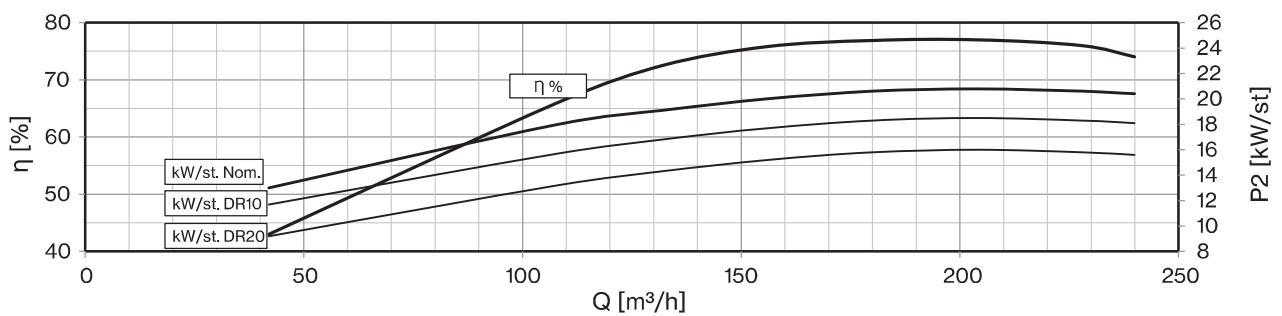
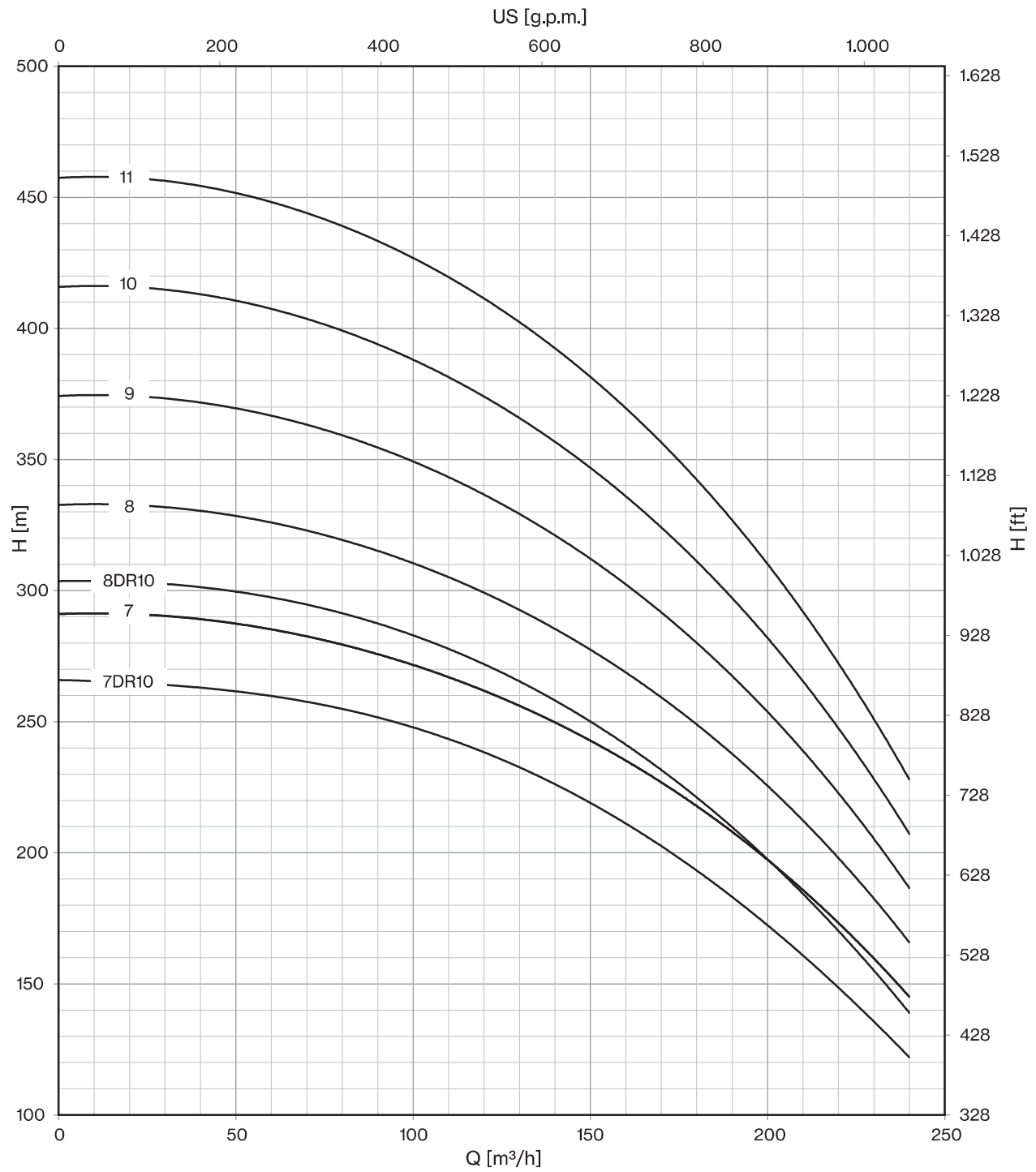
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 190/07 DR10D	10"	3339	1705	1634	385	134
10LM 190/07D		3439	1705	1734	415	134
10LM 190/08DR10D		3619	1885	1734	415	149
10LM 190/08D		3869	1885	1984	480	149
10LM 190/09D-12	12"	4175	2065	2110	700	165
10LM 190/10D-12		4355	2245	2110	700	180
10LM 190/11D-12		4705	2425	2280	775	196



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

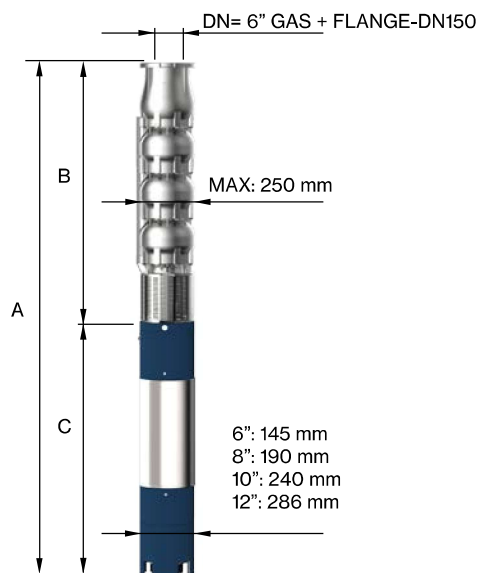


10LM 230

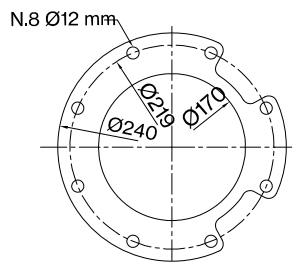
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	800	2200	2600	3000	3400	3800	4200	4600
	P2		CURRENT		0	13,3	36,7	43,3	50,0	56,7	63,3	70,0	76,7
	HP	kW	A		0	48	132	156	180	204	228	252	276
10LM 230/01DR20	25	18,5	38,3		37	36	31	29	27	25	23	19	16
10LM 230/01	35	26	52,9		44	43	38	36	34	32	30	26	23
10LM 230/02DR20	50	37	75,8		74	71	62	58	54	50	45	38	32
10LM 230/02	75	55	106,2		88	85	75	72	68	64	59	53	46
10LM 230/03DR20	75	55	106,2		110	107	93	87	81	75	68	57	48
10LM 230/03DR10	90	66	126,0		121	116	102	98	92	86	78	68	59
10LM 230/03	100	75	143,2		131	128	113	108	102	96	89	79	69
10LM 230/04DR10	125	92	175,1		162	154	136	130	122	114	104	91	78
10LM 230/04	125	92	175,1		175	170	150	144	136	128	118	106	92
10LM 230/05DR10D	150	110	211,0		202	193	170	163	153	143	130	114	98
10LM 230/05 D	175	130	245,3		219	213	188	180	170	160	148	132	115
10LM 230/06DR10D	175	130	245,3		242	231	204	195	183	171	156	137	117
10LM 230/06D	200	150	277,2		263	255	225	216	204	192	178	159	138

Max Eff. % DR20 =	78,4
Max Eff. % DR10 =	79,5
Max Eff. %	79,2
Max kW / St. DR20 =	17,5
Max kW / St. DR10 =	19,5
Max kW / St.	22,8

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

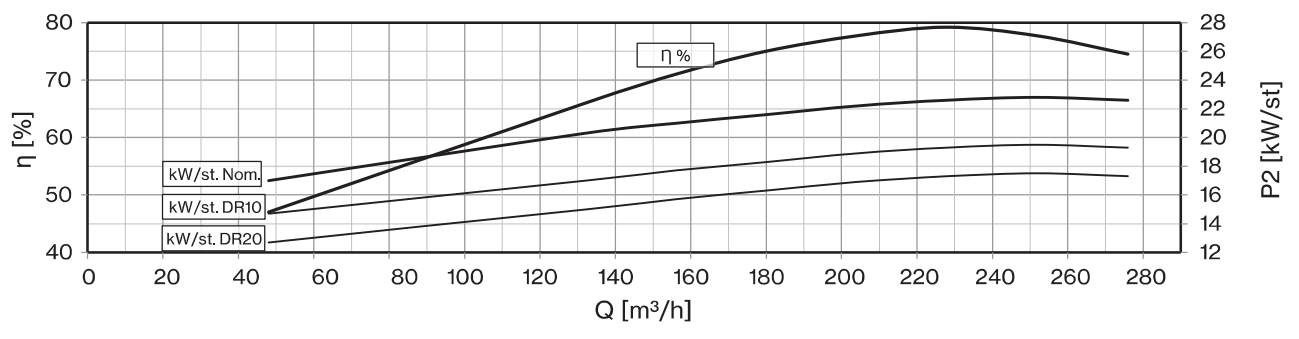
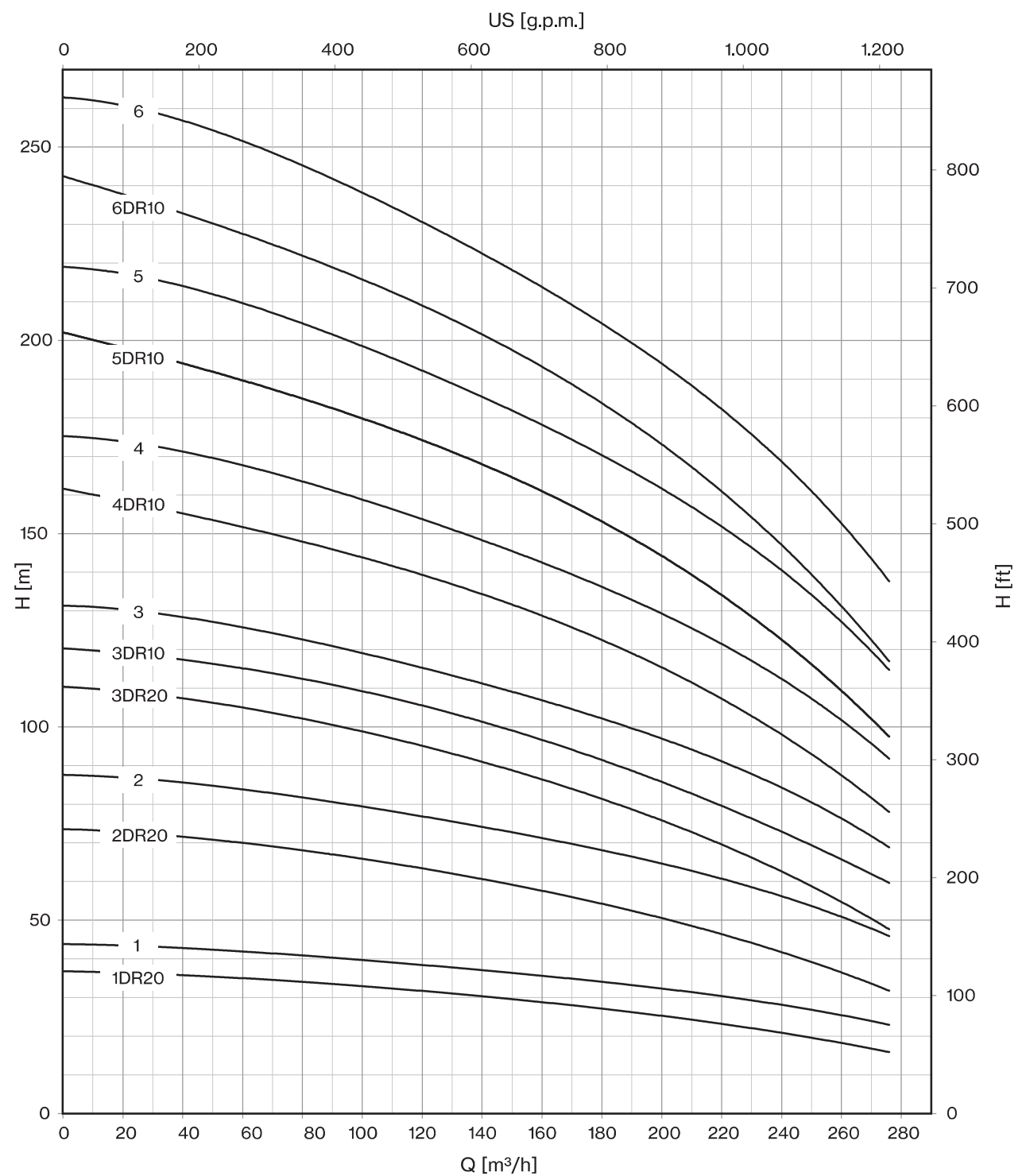


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 230/01DR20-6	6" NEMA	1616	625	991	83	41
10LM 230/01-6		1806	625	1181	100	41
10LM 230/02DR20-6		2146	805	1341	118	56
10LM 230/02-8	8" NEMA	2038	805	1233	200	56
10LM 230/03DR20-8		2218	985	1233	200	72
10LM 230/03DR10-8		2287	985	1302	214	72
10LM 230/03-8		2368	985	1383	230	72
10LM 230/04DR10-8		2748	1165	1583	270	87
10LM 230/04-8		2748	1165	1583	270	87
10LM 230/05DR10D-8	10"	3078	1345	1733	300	103
10LM 230/05D		3078	1345	1733	300	103
10LM 230/06DR10D		3159	1525	1634	385	118
10LM 230/06D		3159	1525	1634	385	118



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

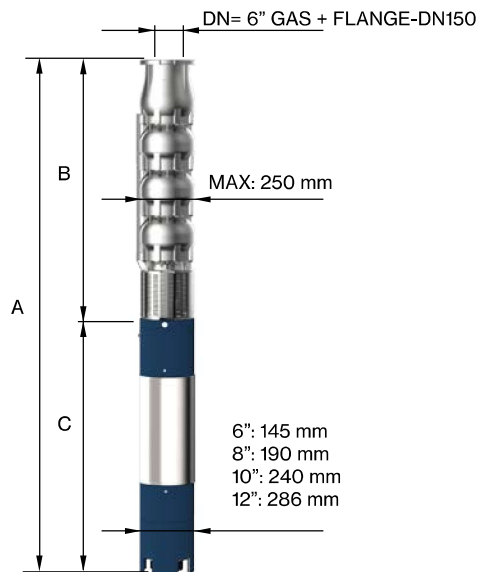


10LM 230

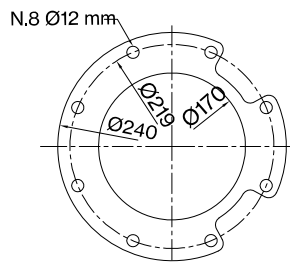
50 Hz - 2900 rpm					Q								
TYPE	P2		400 V	I/min	0	800	2200	2600	3000	3400	3800	4200	4600
				I/sec	0	13,3	36,7	43,3	50,0	56,7	63,3	70,0	76,7
	HP	kW	A	m³/h	0	48	132	156	180	204	228	252	276
10LM 230/07 DR10 D	200	150	277,2	H (m)	283	270	238	228	214	200	182	160	137
10LM 230/07 D	225	165	313,3		307	298	263	252	238	224	207	185	161
10LM 230/08 DR10 D	225	165	313,3		323	308	272	261	245	229	208	182	157
10LM 230/08 D	250	185	342,2		350	340	301	288	272	256	237	211	184
10LM 230/09 D	300	220	430,0		394	383	338	324	306	288	266	238	207
10LM 230/10 D	340	250	481,0		438	425	376	360	340	320	296	264	230
10LM 230/11 D	340	250	481,0		482	468	413	396	374	352	326	291	253

Max Eff. % DR20 =	78,4
Max Eff. % DR10 =	79,5
Max Eff. % =	79,2
Max kW / St. DR20 =	17,5
Max kW / St. DR10 =	19,5
Max kW / St. =	22,8

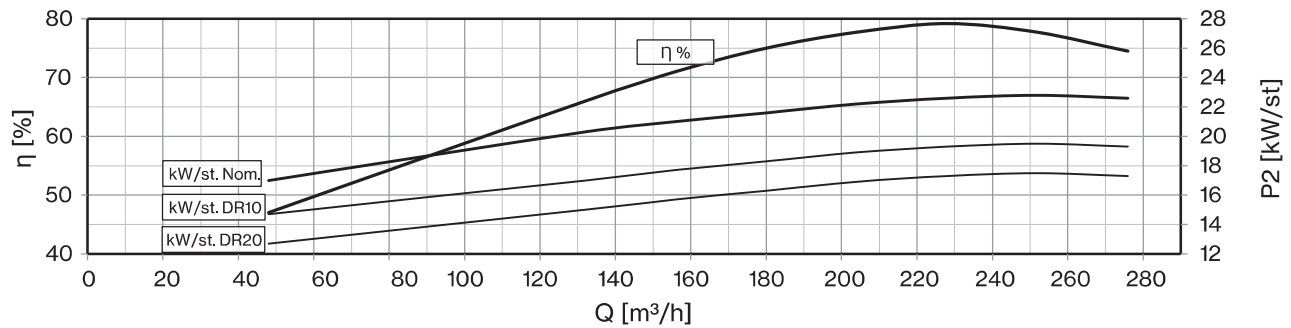
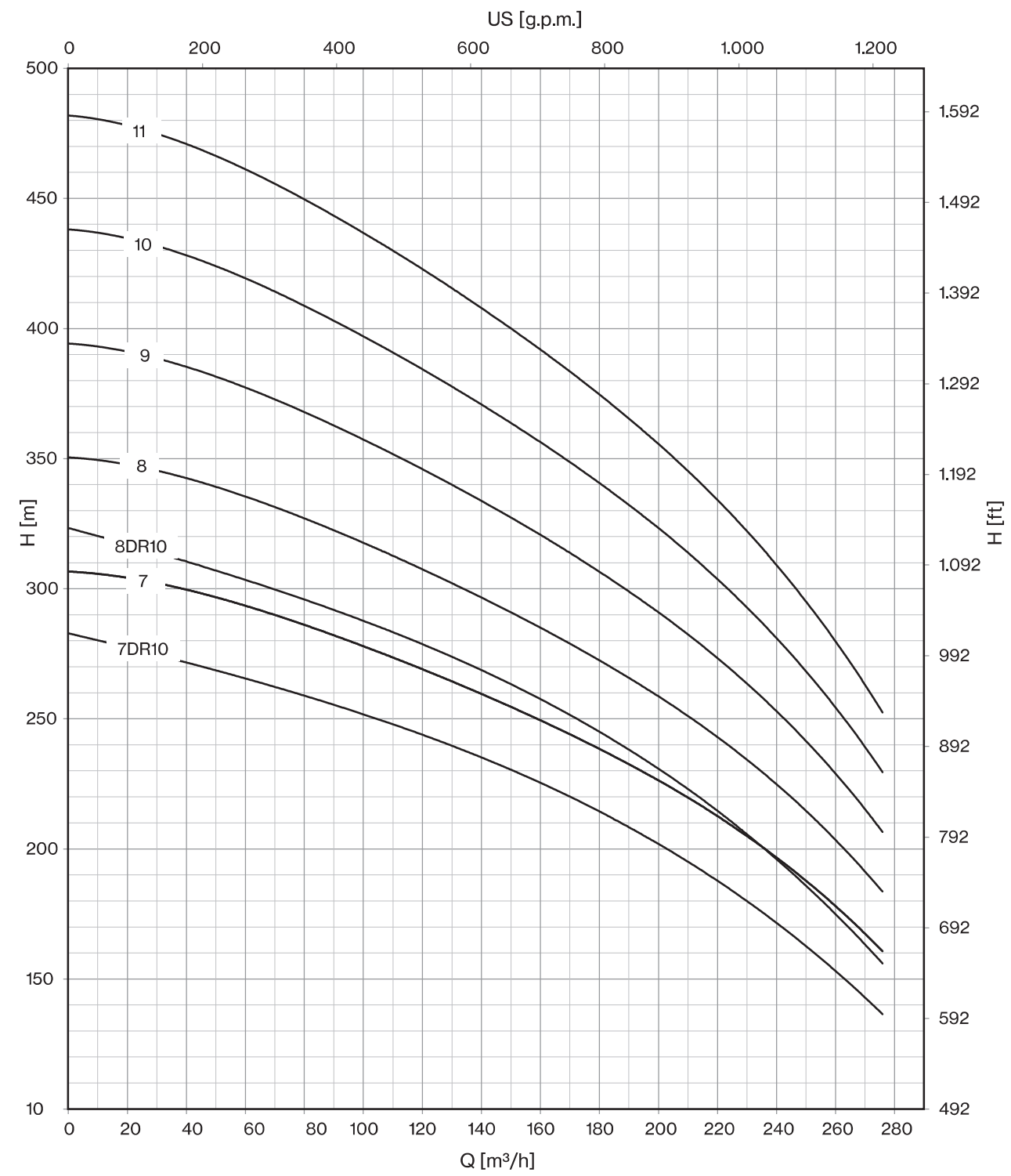
Q (flow)	25%	50%	75%	100%
NPSH (m)	3,4	5	7,8	11,8



50 Hz 2900 rpm	DIMENSIONS (mm)			WEIGHT (kg)	
TYPE	A	B	C	MOTOR	PUMP
10LM 230/07 DR10 D	3439	1705	1734	415	134
10LM 230/07 D	3559	1705	1854	444	134
10LM 230/08 DR10 D	3739	1885	1854	444	149
10LM 230/08 D	3869	1885	1984	480	149
10LM 230/09 D	4175	2065	2110	700	165
10LM 230/10 D	4355	2245	2110	700	180
10LM 230/11 D	4705	2425	2280	775	196



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

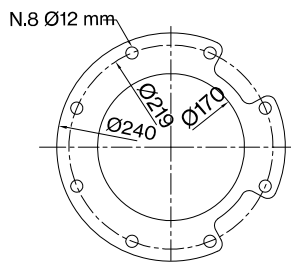
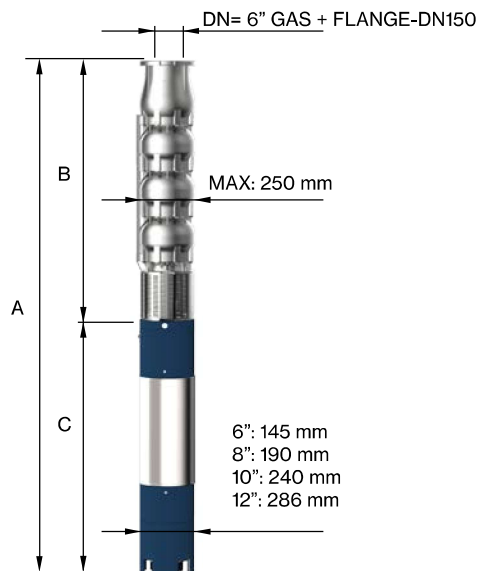


10LM 250

50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	1000	3200	3600	4000	4400	4800	5000	5200	
	P2		CURRENT	I/sec	0	16,7	53,3	60,0	66,7	73,3	80,0	83,3	86,7
	HP	kW	A	m³/h	0	60	192	216	240	264	288	300	312
10LM 250/01DR20	25	18,5	38,3	H (m)	31	31	27	25	23	21	18	17	14
10LM 250/01	40	30	61,1		44	42	34	32	30	28	26	25	24
10LM 250/02DR20	50	37	75,8		63	62	54	50	46	42	36	33	27
10LM 250/02	75	55	106,2		88	84	67	64	59	56	52	50	48
10LM 250/03DR10	100	75	143,2		107	107	93	86	80	73	65	59	53
10LM 250/03	125	92	175,1		132	126	101	96	89	83	78	75	72
10LM 250/04DR10	125	92	175,1		143	142	124	115	107	97	87	79	70
10LM 250/04D	150	110	211,0		176	168	134	128	118	111	104	100	96
10LM 250/05DR10D	175	130	245,3		179	178	155	144	134	121	109	99	88
10LM 250/05D	200	150	277,2		220	210	168	160	148	139	130	125	120
10LM 250/06D	225	165	313,3		264	252	202	192	178	167	156	150	144

Max Eff. % DR20 =	79
Max Eff. % DR10 =	79,5
Max Eff. %	79,3
Max kW / St. DR20 =	18
Max kW / St. DR10 =	22,5
Max kW / St.	27,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

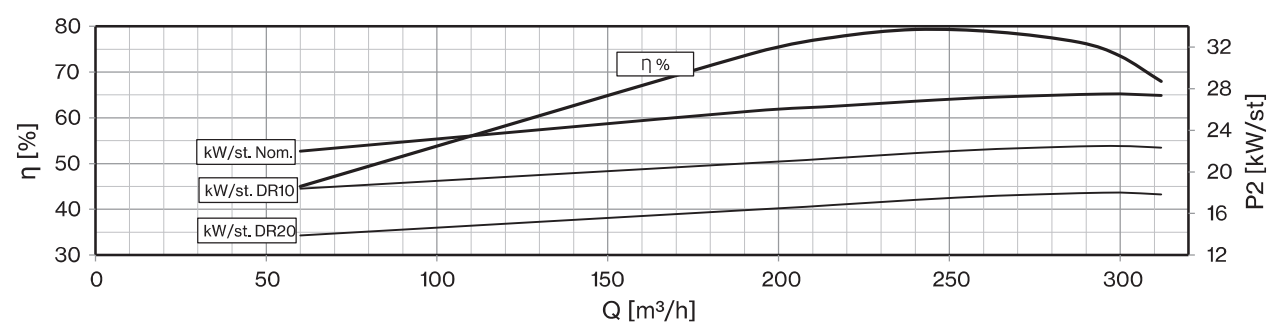
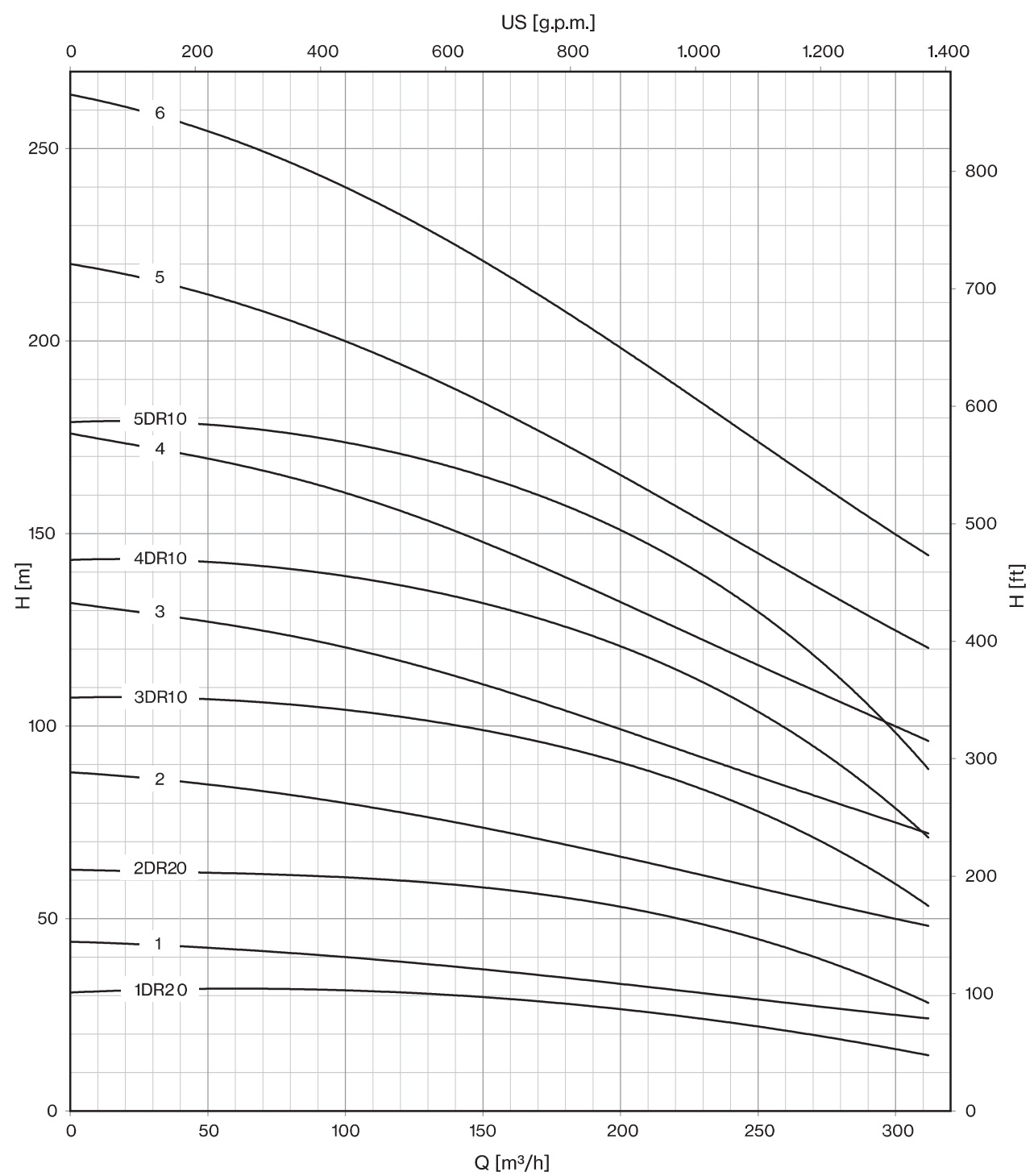


FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 250/01DR20-6	6" NEMA	1616	625	991	83	41
10LM 250/01-6		1876	625	1251	108	41
10LM 250/02DR20-6		2146	805	1341	118	57
10LM 250/02-8	8" NEMA	2038	805	1233	200	57
10LM 250/03DR10-8		2368	985	1383	230	72
10LM 250/03-8		2568	985	1583	270	72
10LM 250/04DR10-8		2748	1165	1583	270	88
10LM 250/04D-8	10"	2898	1165	1733	300	88
10LM 250/05DR10D		2979	1345	1634	385	103
10LM 250/05D		2979	1345	1634	385	103
10LM 250/06D		3379	1525	1854	444	119

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

10LM 250

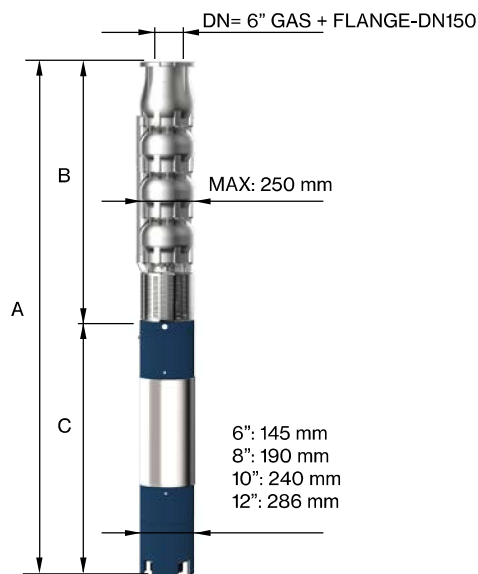


10LM 250

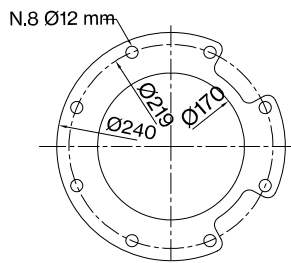
50 Hz - 2900 rpm					Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	1000	3200	3600	4000	4400	4800	5000	5200
	P2		CURRENT		0	16,7	53,3	60,0	66,7	73,3	80,0	83,3	86,7
	HP	kW	A		0	60	192	216	240	264	288	300	312
10LM 250/07DR10D	225	165	313,3	H (m)	251	249	217	202	188	169	153	139	123
10LM 250/07D	300	220	430,0		308	294	235	224	207	195	182	175	168
10LM 250/08D	300	220	430,0		352	336	269	256	237	222	208	200	192
10LM 250/09D	340	250	481,0		396	378	302	288	266	250	234	225	216
10LM 250/10D	400	300	551,0		440	420	336	320	296	278	260	250	240
10LM 250/11D	450	330	620,0		484	462	370	352	326	306	286	275	264
10LM 250/12D	450	330	620,0		528	504	403	384	355	334	312	300	288

Max Eff. % DR20 =	79
Max Eff. % DR10 =	79,5
Max Eff. %	79,3
Max kW / St. DR20 =	18
Max kW / St. DR10 =	22,5
Max kW / St.	27,4

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

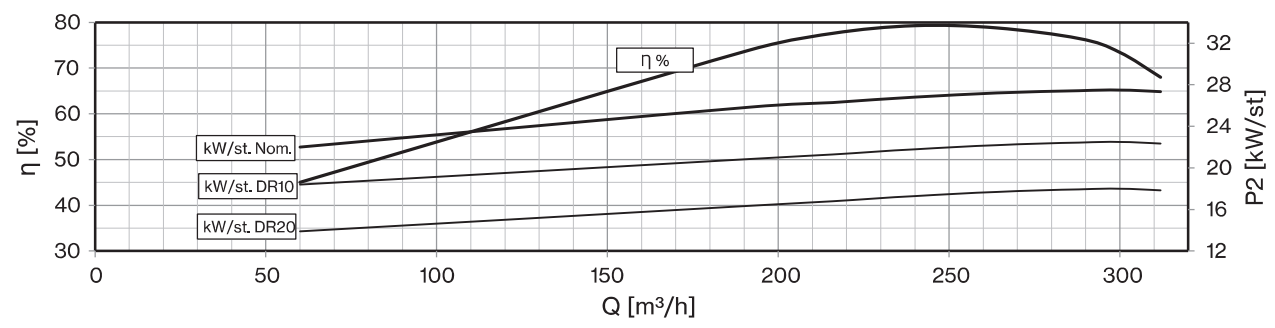
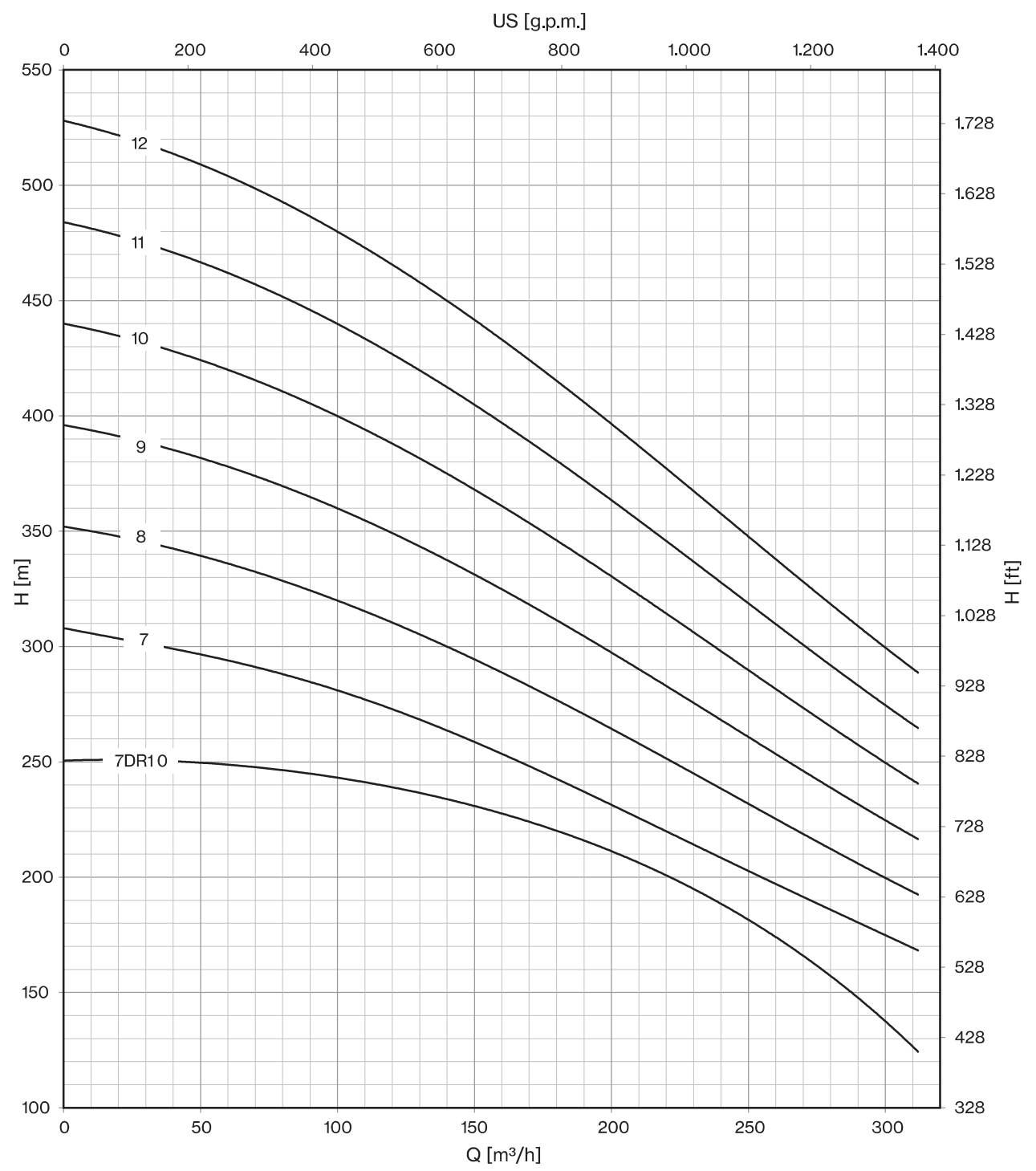


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 250/07DR10D	10"	3559	1705	1854	444	134
10LM 250/07D-12	12"	3815	1705	2110	700	134
10LM 250/08D-12		3995	1885	2110	700	150
10LM 250/09D-12		4345	2065	2280	775	165
10LM 250/10D-14	14"	4525	2245	2280	775	181
10LM 250/11D-14		4705	2425	2280	775	196
10LM 250/12D-14		4765	2605	2160	906	212



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

10LM 250

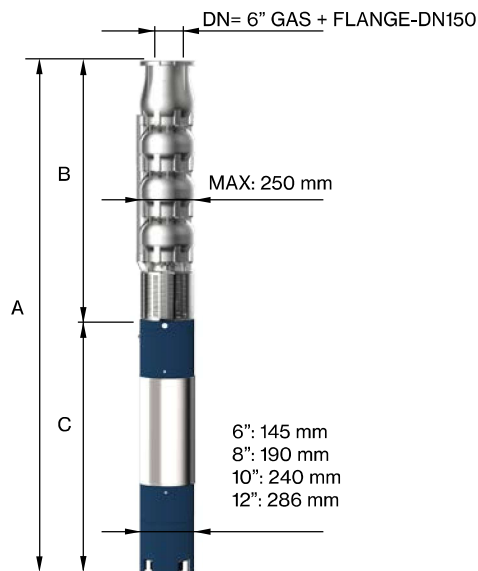


10LM 275

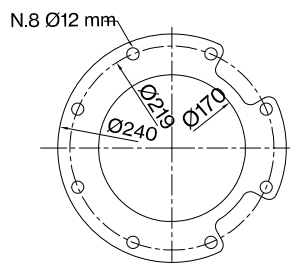
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	H (m)	0	1000	3400	3800	4200	4600	5000	5400	5800
	P2		CURRENT		0	16,7	56,7	63,3	70,0	76,7	83,3	90,0	96,7
	HP	kW	A		0	60	204	228	252	276	300	324	348
10LM 275/01DR20	35	26	52,9		36	36	28	26	25	23	21	19	16
10LM 275/01	50	37	75,8		45	44	37	35	34	32	30	28	25
10LM 275/02DR20	75	55	106,2		72	71	56	52	50	46	42	39	32
10LM 275/02	90	66	126,0		90	87	73	70	67	63	60	56	50
10LM 275/03DR10	125	92	175,1		122	121	97	92	88	82	77	72	62
10LM 275/03D	150	110	211,0		135	131	110	105	101	95	90	85	75
10LM 275/04DR10D	175	130	245,3		163	161	130	123	118	110	103	96	83
10LM 275/04D	200	150	277,2		180	175	146	140	134	126	120	113	100
10LM 275/05DR10D	200	150	277,2		204	202	162	154	147	137	129	120	104
10LM 275/05D	225	165	313,3		225	219	183	175	168	158	150	141	125
10LM 275/06DR10D	250	185	342,2		245	242	194	185	176	164	155	144	125
10LM 275/06D	300	220	430,0		270	262	220	210	202	190	180	169	150

Max Eff. % DR20 =	76,1
Max Eff. % DR10 =	77,2
Max Eff. %	76,5
Max kW / St. DR20 =	25
Max kW / St. DR10 =	29
Max kW / St.	33

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

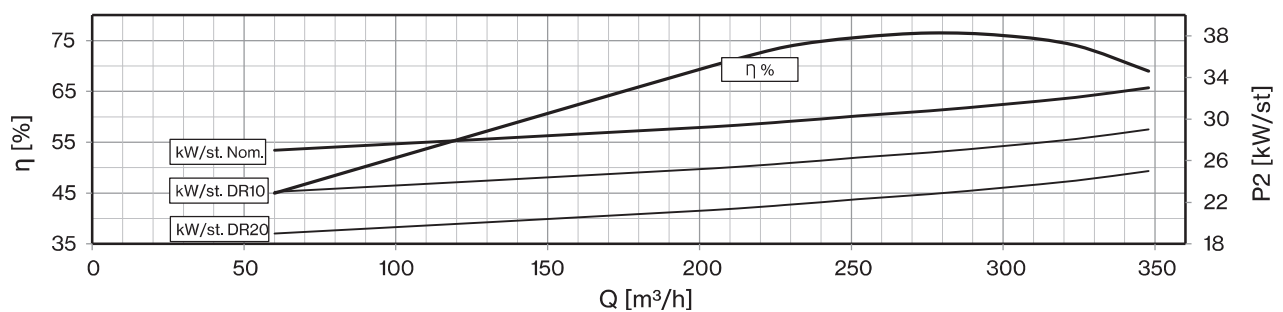
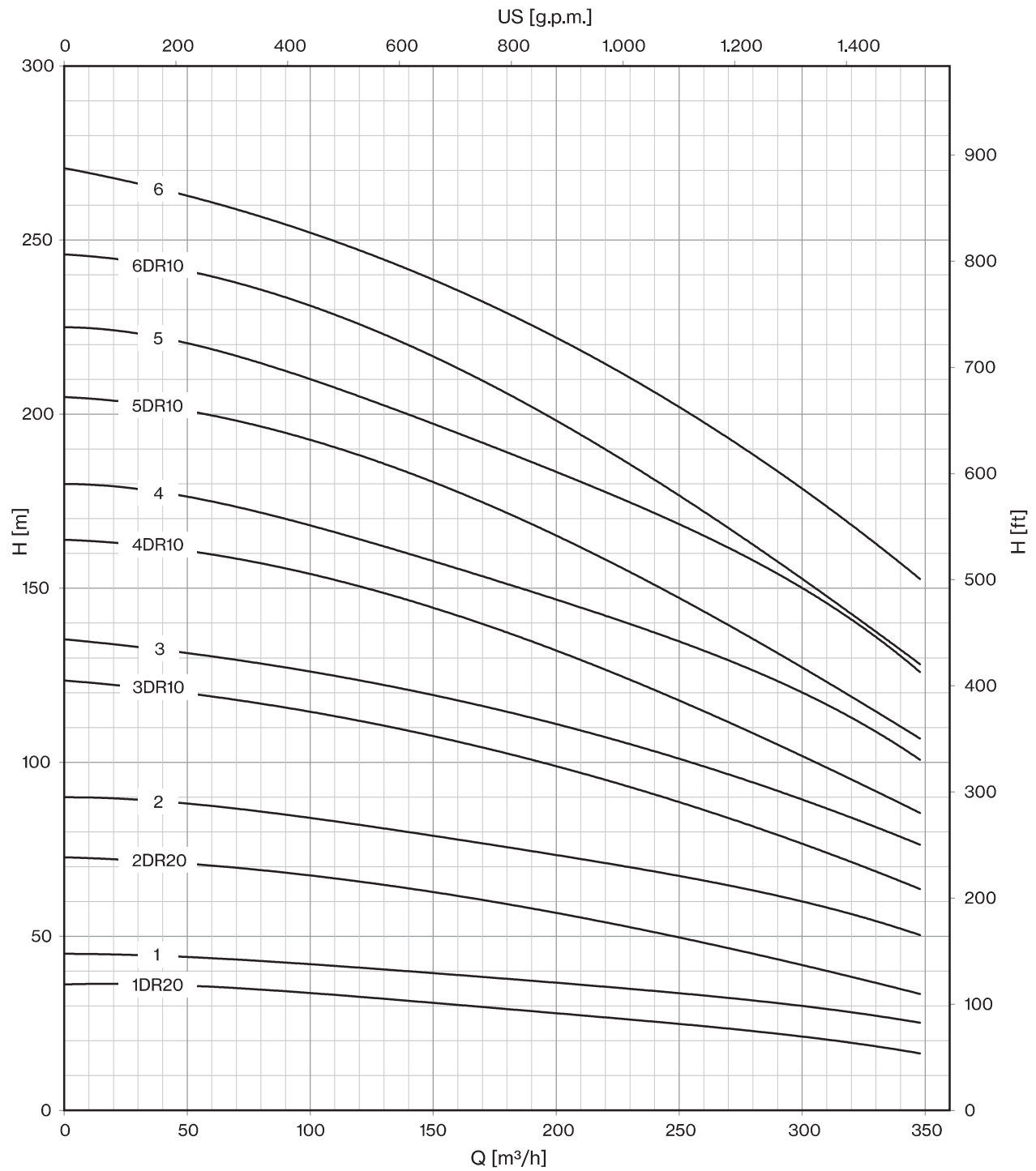


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 275/01DR20-6	6" NEMA	1806	625	1181	100	41
10LM 275/01-6		1966	625	1341	118	41
10LM 275/02DR20-8	8" NEMA	2038	805	1233	200	56
10LM 275/02-8		2107	805	1302	214	56
10LM 275/03DR10-8		2568	985	1583	270	72
10LM 275/03D-8	10"	2718	985	1733	300	72
10LM 275/04DR10D		2799	1165	1634	385	87
10LM 275/04D		2899	1165	1734	415	87
10LM 275/05DR10D		3079	1345	1734	415	103
10LM 275/05D		3199	1345	1854	444	103
10LM 275/06DR10D		3509	1525	1984	480	118
10LM 275/06D		3635	1525	2110	700	118



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

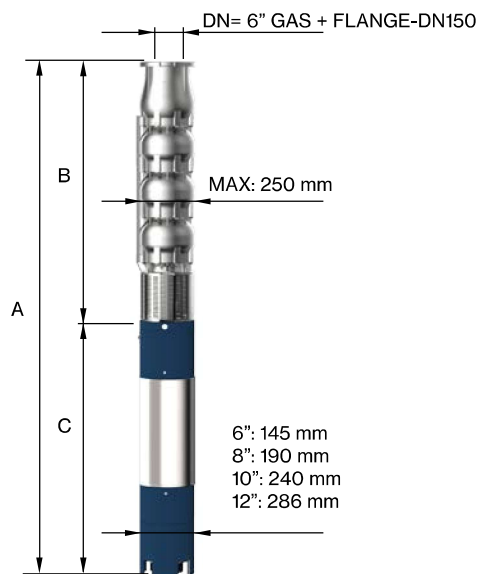


10LM 275

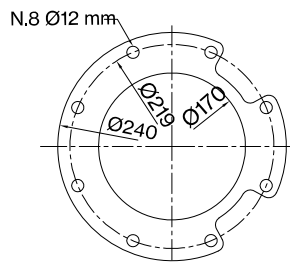
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		l/min	0	1000	3400	3800	4200	4600	5000	5400	5800	
	P2		CURRENT	l/sec	0	16,7	56,7	63,3	70,0	76,7	83,3	90,0	96,7
	HP	kW	A	m³/h	0	60	204	228	252	276	300	324	348
10LM 275/07DR10D	300	220	430,0	H (m)	286	282	227	216	206	192	181	168	146
10LM 275/07D	340	250	481,0		315	306	256	245	235	221	210	197	175
10LM 275/08D	400	300	551,0		360	350	293	280	269	253	240	226	200
10LM 275/09D	400	300	551,0		405	393	329	315	302	284	270	254	225
10LM 275/10D	450	330	620,0		450	437	366	350	336	316	300	282	250
10LM 275/11D	500	370	693,0		495	481	403	385	370	348	330	310	275
10LM 275/12D	550	400	798,0		540	524	439	420	403	379	360	338	300

Max Eff. % DR20 =	76,1
Max Eff. % DR10 =	77,2
Max Eff. %	76,5
Max kW / St. DR20 =	25
Max kW / St. DR10 =	29
Max kW / St.	33

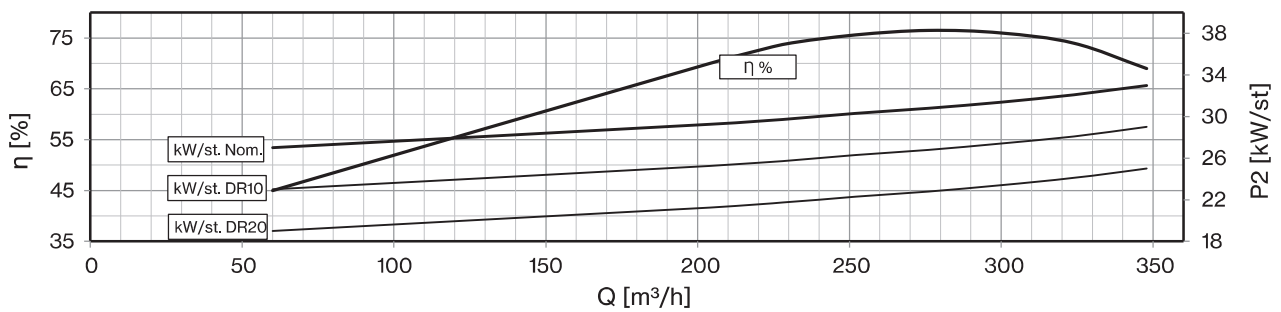
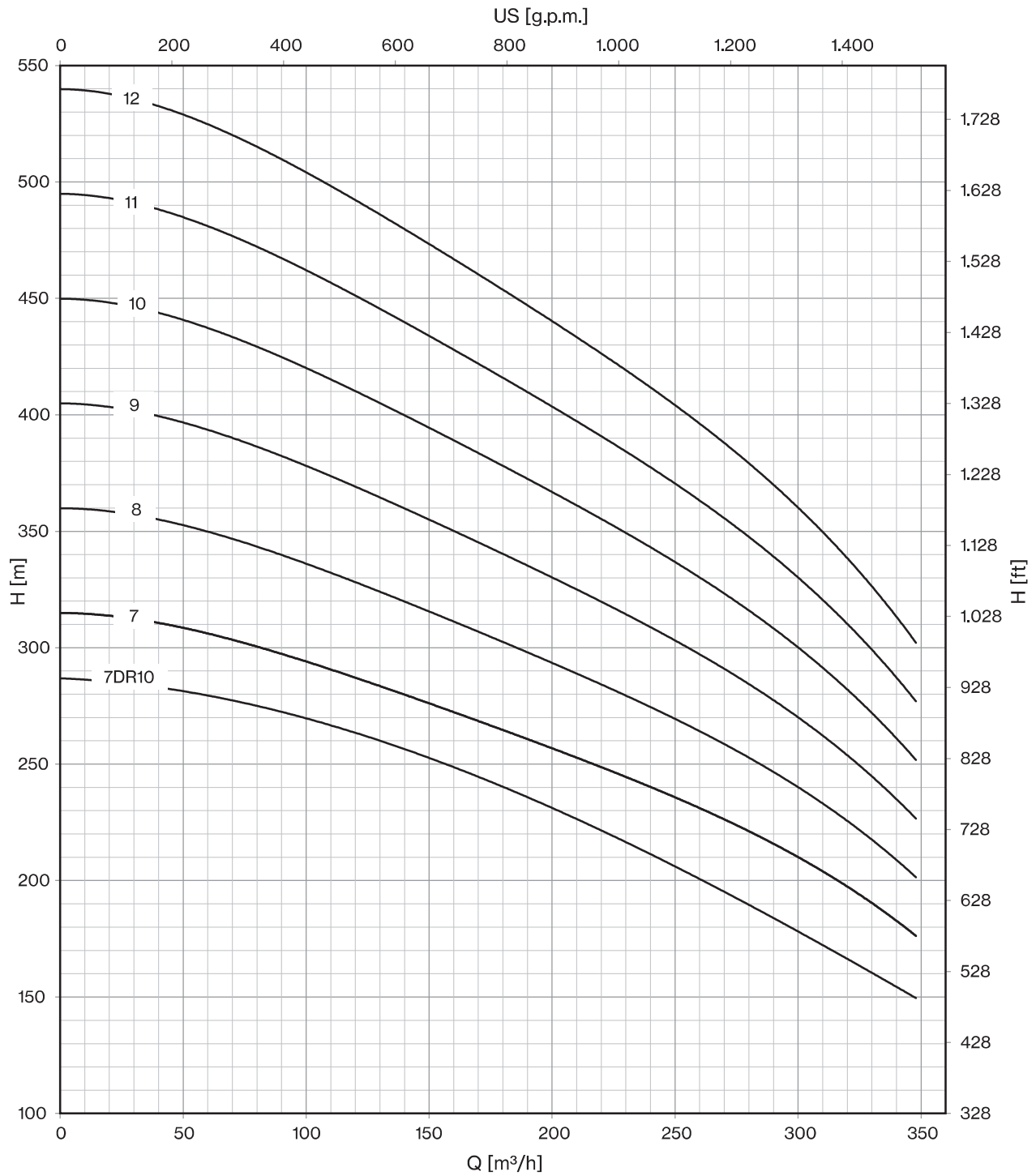
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
10LM 275/07DR10D-12	12"	3815	1705	2110	700	134
10LM 275/07D-12		3985	1705	2280	775	134
10LM 275/08D-14		4165	1885	2280	775	149
10LM 275/09D-14	14"	4345	2065	2280	775	165
10LM 275/10D-14		4405	2245	2160	906	180
10LM 275/11D-14		4585	2425	2160	906	196
10LM 275/12D-14		4925	2605	2320	1010	211



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 168,3 mm

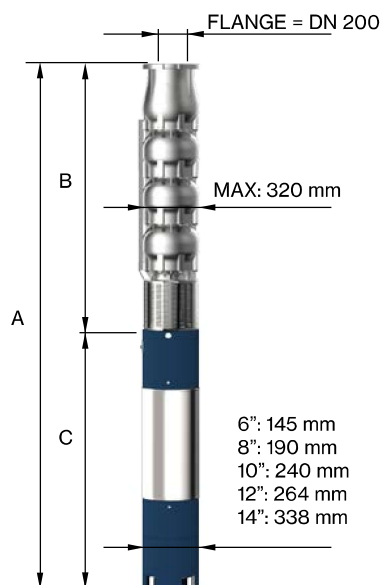


12LM 360

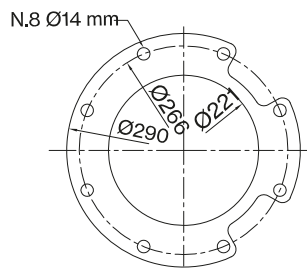
50 Hz - 2900 rpm					Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	H (m)	0	1500	4000	4500	5000	5500	6000	6500	7000	
	P2		CURRENT		I/sec	0	25,0	66,7	75,0	83,3	91,7	100,0	108,3	116,7
	HP	kW	A		m³/h	0	90	240	270	300	330	360	390	420
12LM 360/01DR35	50	37	75,8		41	40	37	35	33	32	29			
12LM 360/01DR20	75	55	106,2		49	48	47	45	44	42	40	38	34	
12LM 360/01	90	66	126,0		62	61	55	53	52	52	50	47	42	
12LM 360/02DR35	100	75	143,2		82	80	73	70	66	63	57			
12LM 360/02DR20D	150	110	211,0		98	96	93	90	87	84	80	75	68	
12LM 360/02D	175	130	245,3		124	122	109	106	104	103	100	93	84	
12LM 360/03DR20D	200	150	277,2		147	144	140	135	131	126	120	113	102	
12LM 360/03DR10D	250	185	342,2		165	162	152	149	144	140	132	126	120	
12LM 360/03D	300	220	430,0		186	183	164	159	156	155	150	140	126	
12LM 360/04DR20D	300	220	430,0		196	192	186	180	174	168	160	150	136	
12LM 360/04DR10D	340	250	481,0		220	216	202	198	192	186	176	168	160	
12LM 360/04D	400	300	551,0		248	244	218	212	208	206	200	186	168	

Max Eff. % DR35 =	77,5
Max Eff. % DR20 =	80
Max Eff. % DR10 =	80,5
Max Eff. %	81
Max kW / St. DR35 =	36,80
Max kW / St. DR20 =	49,5
Max kW / St. DR10 =	55,2
Max kW / St.	64,2

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

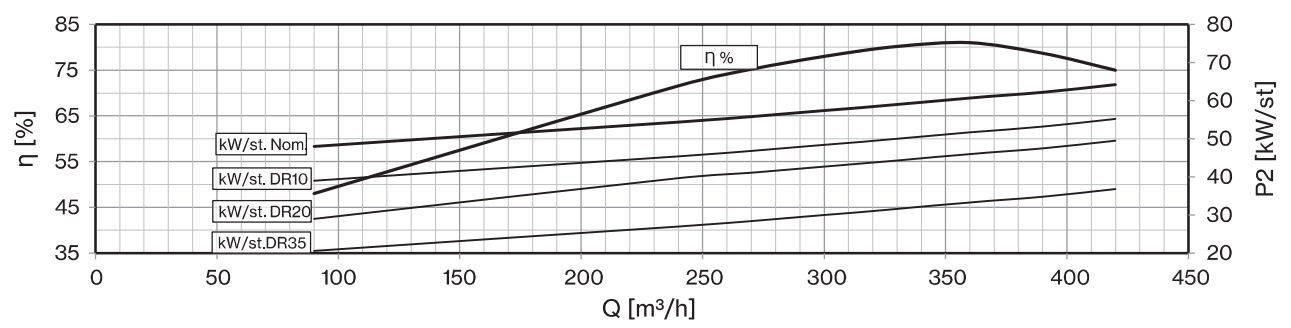
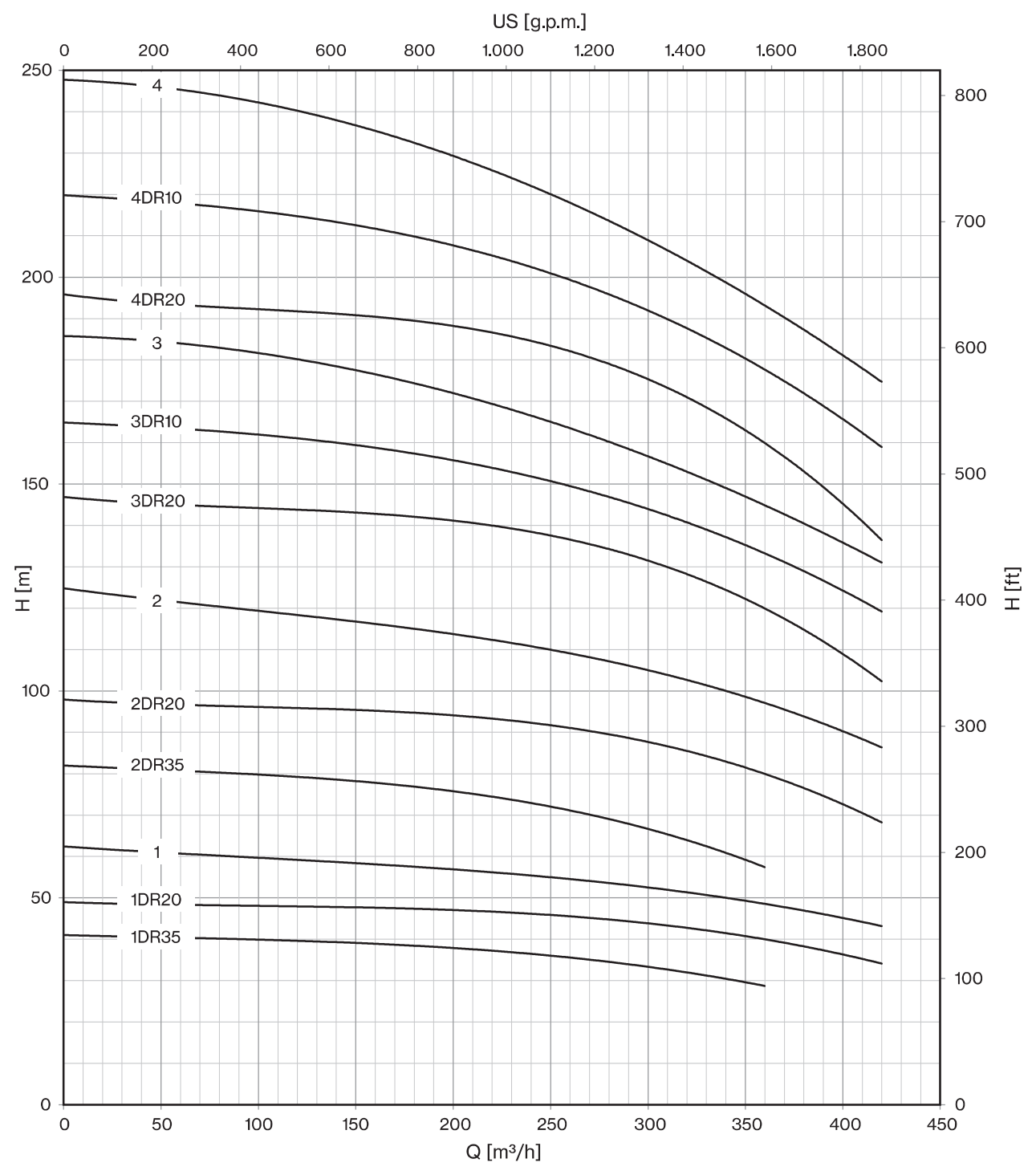


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
12LM 360/01DR35-6	6" NEMA	2111	770	1341	118	79
12LM 360/01DR20-8	8" NEMA	2003	770	1233	200	79
12LM 360/01-8		2072	770	1302	214	79
12LM 360/02DR35-8		2383	1000	1383	230	104
12LM 360/02DR20D-8	10"	2733	1000	1733	300	104
12LM 360/02D-10		2634	1000	1634	385	104
12LM 360/03DR20D-10		2964	1230	1734	415	129
12LM 360/03DR10D-10	12"	3214	1230	1984	480	129
12LM 360/03D		3340	1230	2110	700	129
12LM 360/04DR20D		3570	1460	2110	700	154
12LM 360/04DR10D	14"	3740	1460	2280	775	154
12LM 360/04D-14		3740	1460	2280	775	154



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 219,1 mm

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

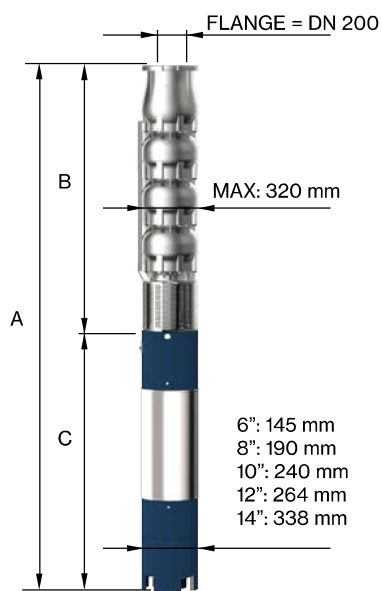


12LM 360

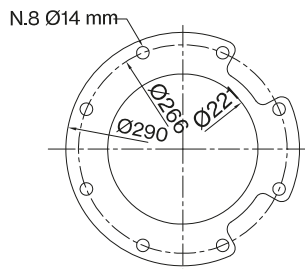
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	1500	4000	4500	5000	5500	6000	6500	7000
	P2		CURRENT	I/sec	0	25,0	66,7	75,0	83,3	91,7	100,0	108,3	116,7
	HP	kW	A	m³/h	0	90	240	270	300	330	360	390	420
12LM 360/05DR20D	340	250	481,0	H (m)	245	240	233	225	218	210	200	188	170
12LM 360/05DR10D	400	300	551,0		275	270	253	248	240	233	220	210	200
12LM 360/05D	450	330	620,0		310	305	273	265	260	258	250	233	210
12LM 360/06DR10D	500	370	693,0		330	324	304	298	288	280	264	252	240
12LM 360/06D	550	400	798,0		372	366	328	318	312	310	300	280	252
12LM 360/07DR10D	550	400	798,0		385	378	354	347	336	326	308	294	280

Max Eff. % DR35 =	77,5
Max Eff. % DR20 =	80
Max Eff. % DR10 =	80,5
Max Eff. %	81
Max kW / St. DR35 =	36,80
Max kW / St. DR20 =	49,5
Max kW / St. DR10 =	55,2
Max kW / St.	64,2

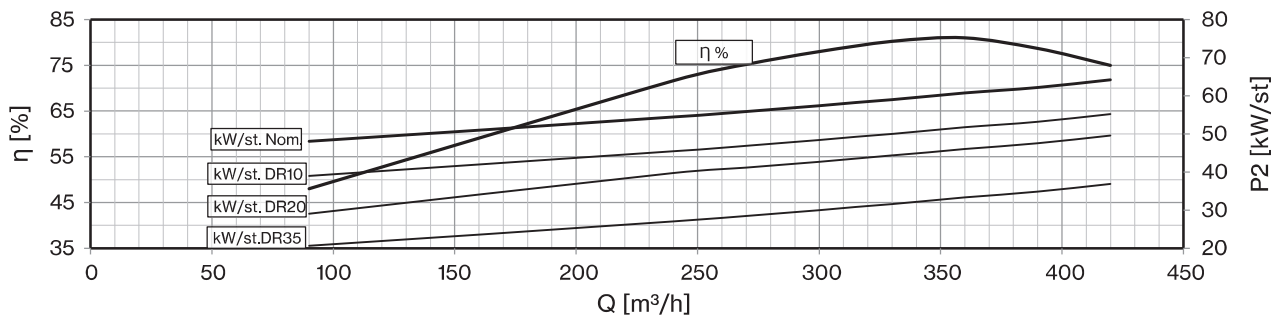
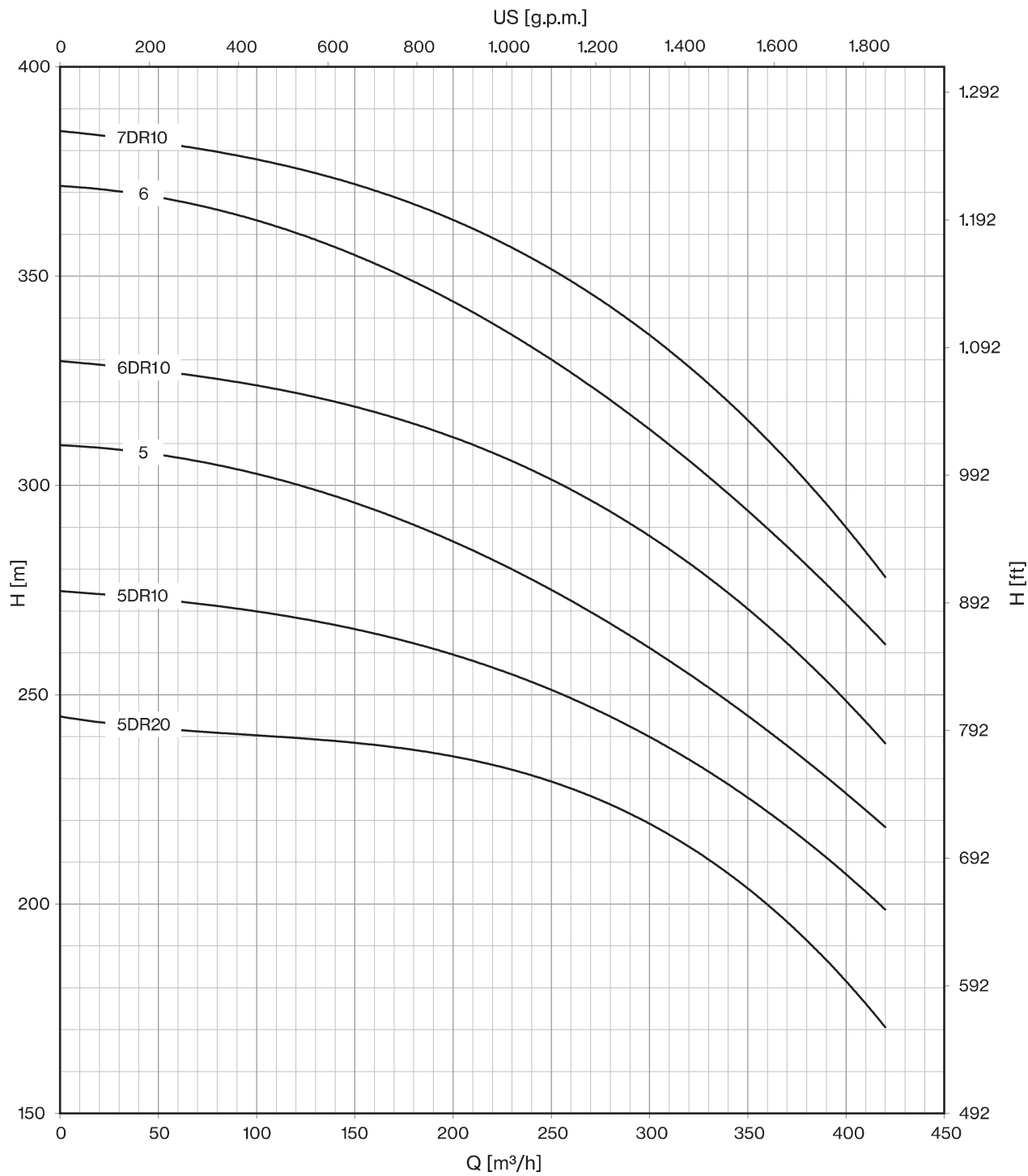
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
12LM 360/05DR20D	12"	3970	1690	2280	775	179
12LM 360/05DR10D-14	14"	3970	1690	2280	775	179
12LM 360/05D-14		3850	1690	2160	906	179
12LM 360/06DR10D-14		4240	1920	2320	1010	204
12LM 360/06D-14		4380	1920	2460	1105	204
12LM 360/07DR10D-14		4610	2150	2460	1105	229



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 219,1 mm

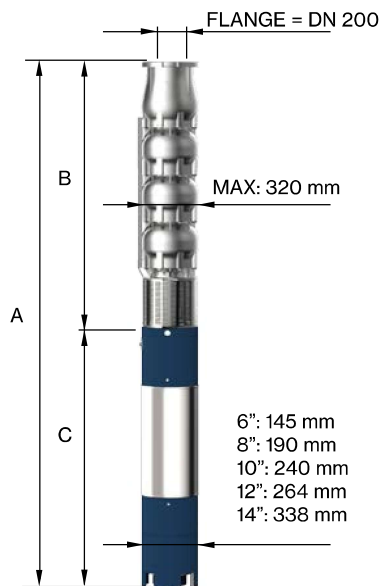


12LM 400

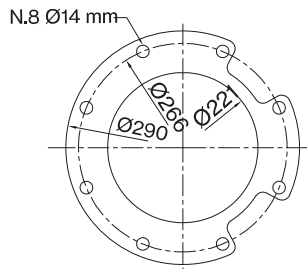
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3- 400V		I/min	0	2000	6000	6500	7000	7500	8000	8500	9000	
	P2		CURRENT	I/sec	0	33,3	100,0	108,3	116,7	125,0	133,3	141,7	150,0
	HP	kW	A	m³/h	0	120	360	390	420	450	480	510	540
12LM 400/01DR30	50	37	75,8	H (m)	43	42	32	30	27	24			
12LM 400/01DR20	75	55	106,2		47	45	37	35	33	30	26	22	
12LM 400/01DR10	75	55	106,2		53	52	42	40	38	36	32	28	
12LM 400/01	90	66	126,0		58	57	46	44	42	40	37	31	27
12LM 400/02DR30	100	75	143,2		86	84	64	59	54	48			
12LM 400/02DR20	125	92	175,1		94	90	73	69	65	59	52	44	
12LM 400/02DR10D	150	110	211,0		106	104	84	80	76	71	64	56	
12LM 400/02D	175	130	245,3		116	114	92	88	84	80	73	62	54
12LM 400/03DR20D	200	150	277,2		141	135	110	104	98	89	78	66	
12LM 400/03DR10D	225	165	313,3		159	156	126	120	114	107	96	84	
12LM 400/03D	250	185	342,2		174	171	138	132	126	120	110	93	81

Max Eff. % DR30 =	81,2
Max Eff. % DR20 =	81,8
Max Eff. % DR10 =	82,7
Max Eff. %	81,6
Max Eff. % A =	82,5
Max kW / St. DR30 =	37
Max kW / St. DR20 =	45,6
Max kW / St. DR10 =	53
Max kW / St.	60,4
Max kW / St. A =	67

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8

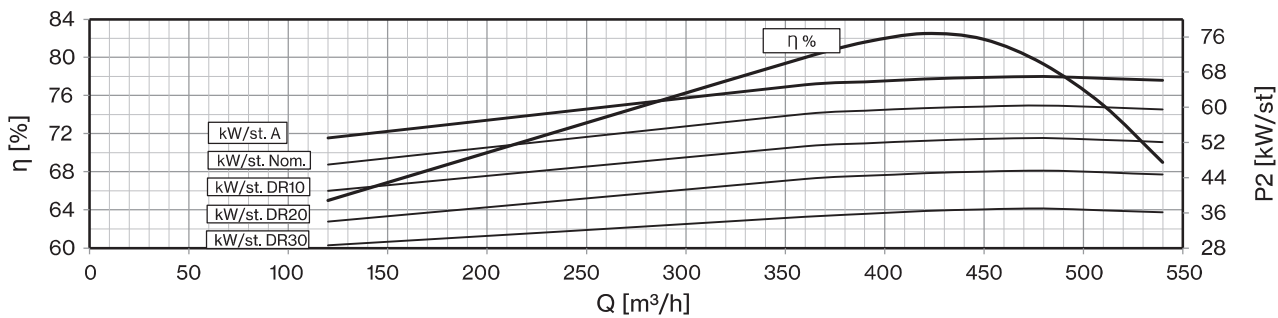
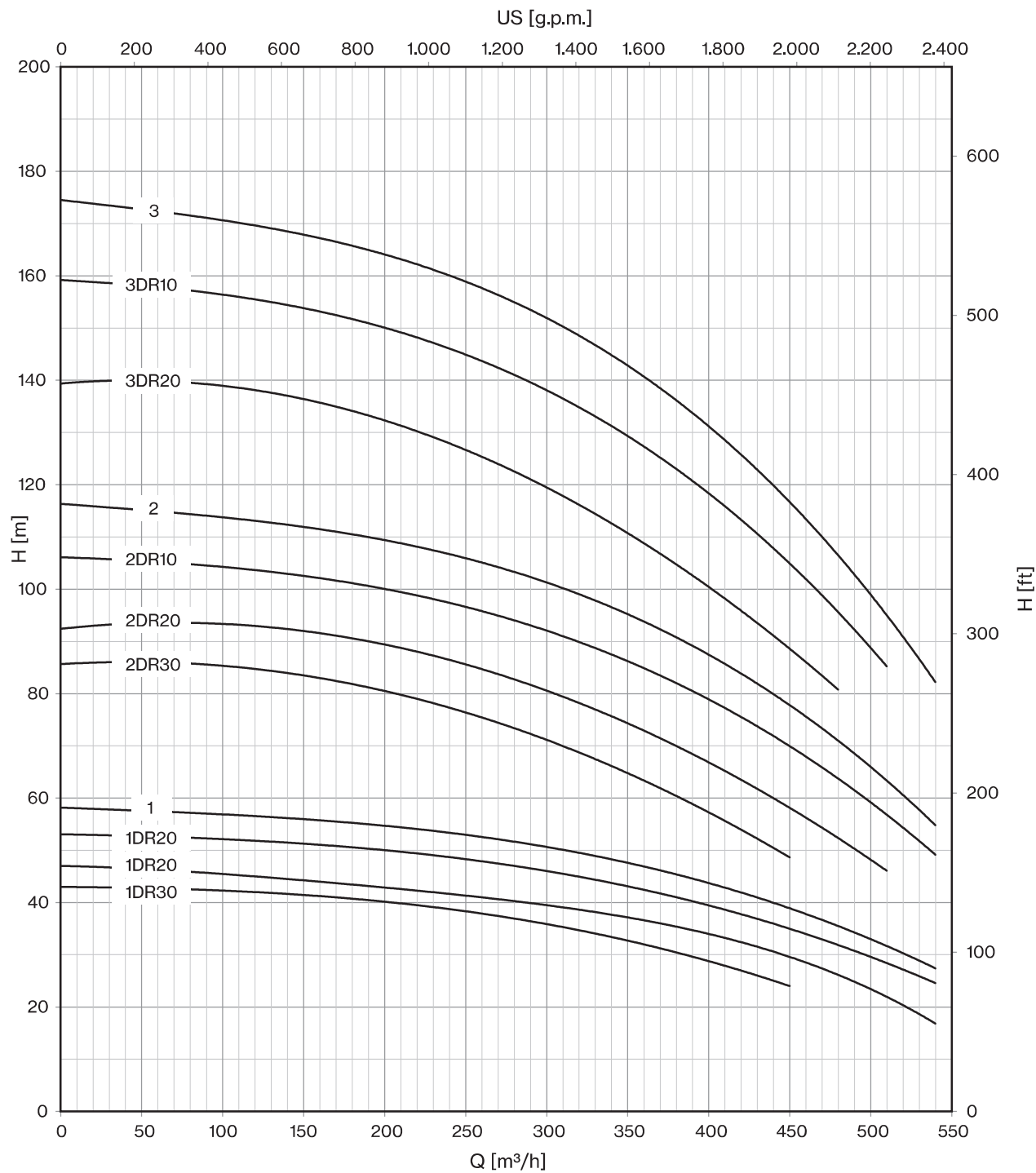


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
12LM 400/01DR30-6	6" NEMA	2111	770	1341	118	79
12LM 400/01DR20-8	8" NEMA	2003	770	1233	200	79
12LM 400/01DR10-8		2003	770	1233	200	79
12LM 400/01-8		2072	770	1302	214	79
12LM 400/02DR30-8		2383	1000	1383	230	104
12LM 400/02DR20-8		2583	1000	1583	270	104
12LM 400/02DR10D-8	10"	2733	1000	1733	300	104
12LM 400/02D-10		2634	1000	1634	385	104
12LM 400/03DR20D-10		2964	1230	1734	415	129
12LM 400/03DR10D-10		3084	1230	1854	444	129
12LM 400/03D-10		3214	1230	1984	480	129



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 219,1 mm

"DR" : reduced-diameter impellers
"D" Pump shaft in Duplex EN 1.4462

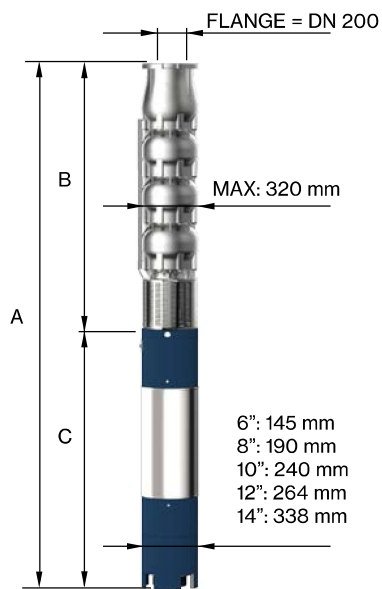


12LM 400

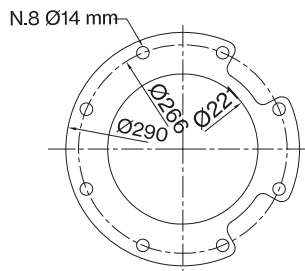
50 Hz - 2900 rpm					Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min		0	2000	6000	6500	7000	7500	8000	8500	9000
	P2		CURRENT	I/sec	0	33,3	100,0	108,3	116,7	125,0	133,3	141,7	150,0
	HP	kW	A	m³/h	0	120	360	390	420	450	480	510	540
12LM 400/04DR20D	250	185	342,2	H (m)	188	180	146	138	130	118	104	88	
12LM 400/04DR10D	300	220	430,0		212	208	168	160	152	142	128	112	
12LM 400/04D	340	250	481,0		232	228	184	176	168	160	146	124	108
12LM 400/05DR10D	400	300	551,0		265	260	210	200	190	178	160	140	
12LM 400/05D	450	330	620,0		290	285	230	220	210	200	183	155	135
12LM 400/05AD	500	370	693,0		305	300	250	240	230	223	205	195	160
12LM 400/06D	500	370	693,0		348	342	276	264	252	240	220	186	162

Max Eff. % DR30 =	81,2
Max Eff. % DR20 =	81,8
Max Eff. % DR10 =	82,7
Max Eff. %	81,6
Max Eff. % A =	82,5
Max kW / St. DR30 =	37
Max kW / St. DR20 =	45,6
Max kW / St. DR10 =	53
Max kW / St.	60,4
Max kW / St. A =	67

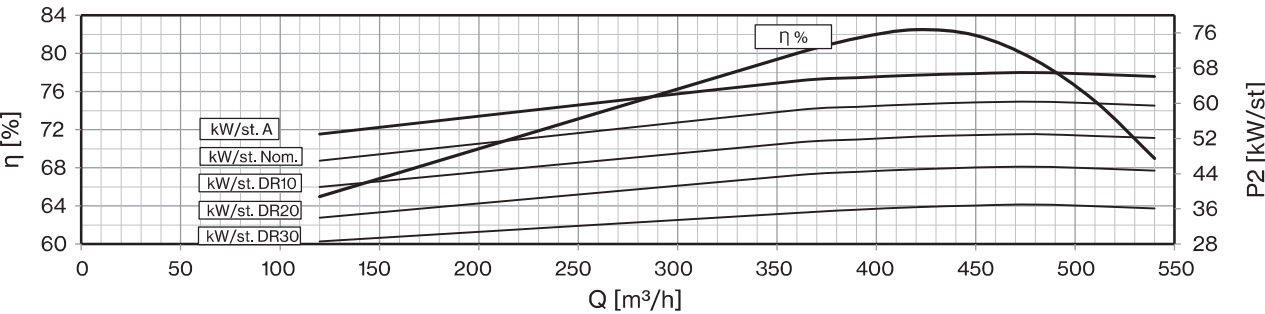
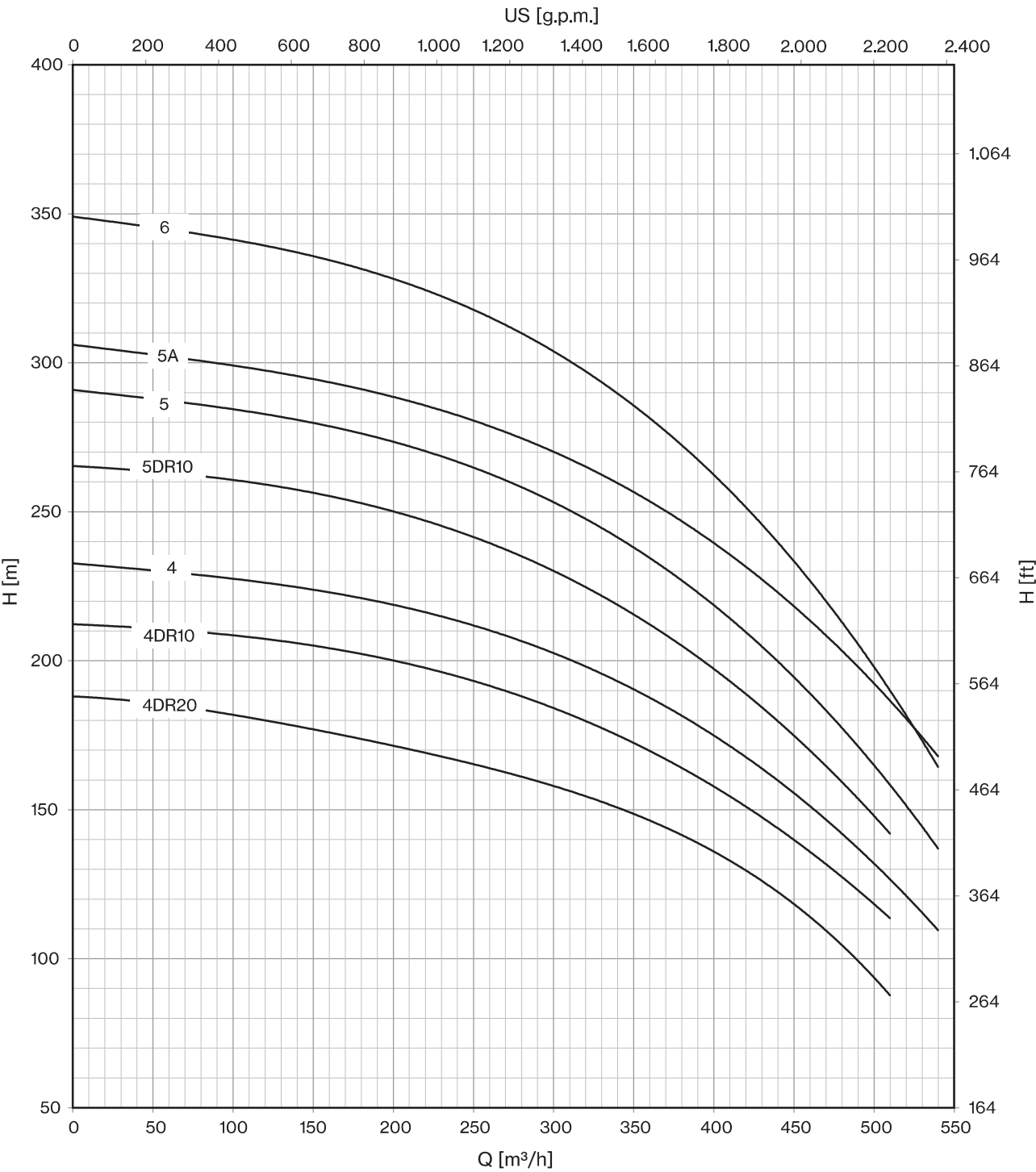
NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	3,4	5	7,8	11,8



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
12LM 400/04DR20D	12"	3444	1460	1984	480	154
12LM 400/04DR10D		3570	1460	2110	700	154
12LM 400/04D		3740	1460	2280	775	154
12LM 400/05 DR10D-14	14"	3970	1690	2280	775	179
12LM 400/05D-14		3850	1690	2160	906	179
12LM 400/05AD-14		4010	1690	2320	1010	179
12LM 400/06D-14		4240	1920	2320	1010	204



FOR COMMERCIAL TUBE
EXTERNAL DIAMETER: 219,1 mm

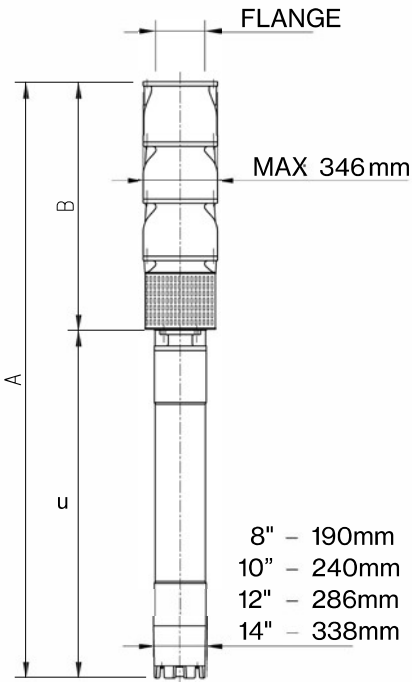


E14 A

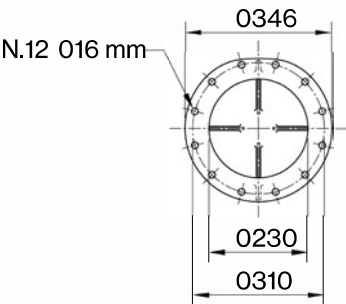
50 Hz - 2900 rpm				Q								
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	1333	2667	4000	5333	6667	8000	8500	9667
	P2		CURRENT	I/sec	0	22,2	44,5	66,7	88,9	111,1	133,3	161,2
	HP	kW	A	m³/h	0	80	160	240	320	400	480	580
E14 A/1D	90	66	126,0	H (m)	71,8	66,5	62,5	58,7	54,4	49,0	41,6	38,2
E14 A/1C	100	75	143,2		76,8	71,7	67,5	63,8	59,6	54,6	47,9	45,0
E14 A/1B	125	92	175,1		85,1	79,9	75,6	71,8	67,8	63,3	57,7	55,1
E14 A/1A	150	110	211,0		97,1	90,8	85,5	80,4	75,6	70,7	65,4	63,0
E14 A/1	175	130	245,3		108,6	99,3	92,3	87,0	82,5	78,0	73,0	70,8
E14 A/2D	175	130	245,3		143,5	133,0	125,0	117,4	108,8	98,0	83,2	76,4
E14 A/2C	200	150	277,2		153,6	143,4	135,0	127,6	119,1	109,1	95,8	90,0
E14 A/2B	250	185	342,2		170,2	159,8	151,2	143,6	135,6	126,5	115,4	110,2
E14 A/2A	300	220	430,0		194,3	181,6	171,0	160,8	151,2	141,4	130,8	126,0
E14 A/2	340	250	481,0		217,3	198,6	184,6	174,0	165,0	156,0	146,0	141,6

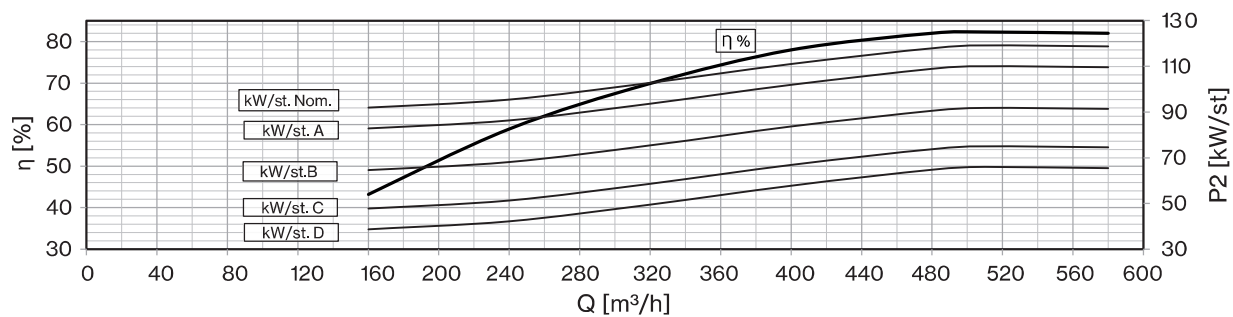
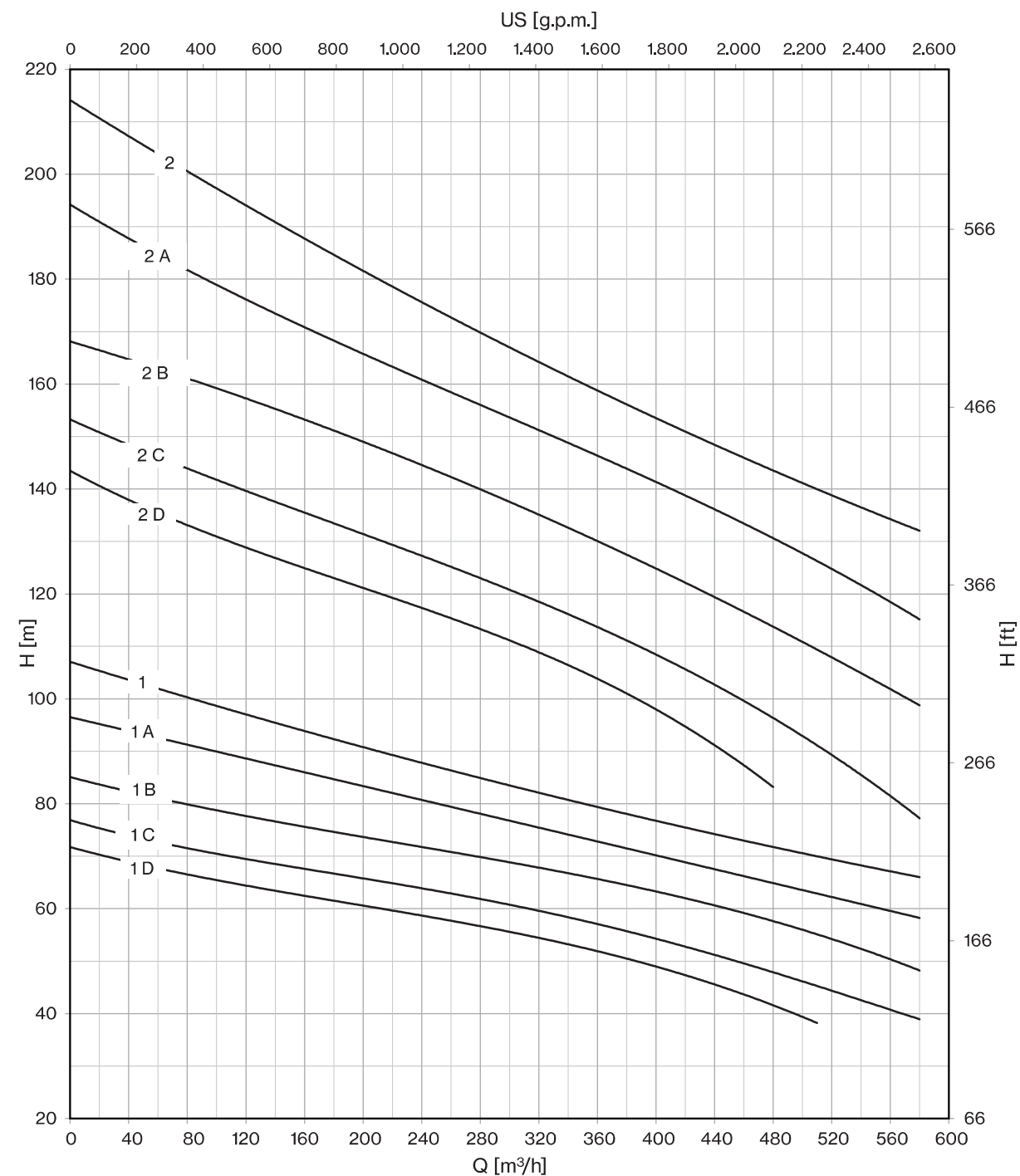
Max Eff. %	82,3
Max KW / St. D (230mm) =	64,9
Max KW / St. C (238mm) =	74,0
Max KW / St. B (251mm) =	90,8
Max KW / St. A (268mm) =	109,1
Max KW / St. - (276mm) =	119,3

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	5,8	6,4	9,4	15,3



TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
E14 A/1D-8	8" NEMA	2237	935	1302	214	184
E14 A/1C-8		2318	935	1383	230	184
E14 A/1B-8		2518	935	1583	270	184
E14 A/1A-8		2668	935	1733	300	184
E14 A/1-10	10"	2569	935	1634	385	184
E14 A/2D-10		2809	1175	1634	385	260
E14 A/2C-10		2909	1175	1734	415	260
E14 A/2B-10		3159	1175	1984	480	260
E14 A/2A-12	12"	3285	1175	2110	700	260
E14 A/2-12		3455	1175	2280	775	260



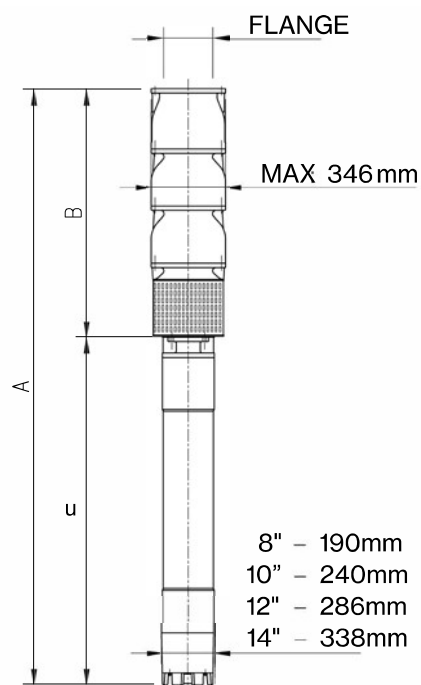


E14 B

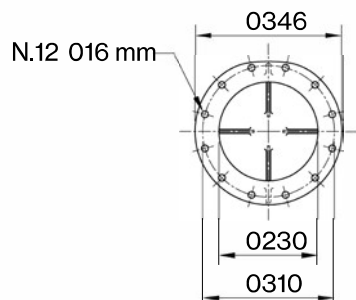
50 Hz - 2900 rpm				Q									
TYPE	SUITABLE MOTOR 3~ 400V		I/min	0	1333	4000	5333	6667	9000	10000	12500	14333	
	P2		CURRENT	I/sec	0	22,2	66,7	88,9	111,1	150,0	166,7	208,3	238,9
	HP	kW	A	m³/h	0	80	240	320	400	540	600	750	860
E14 B/1C	125	92	175,1	H (m)	73,5	72,5	68,0	63,5	57,8	44,0	36,5	14,0	
E14 B/1B	150	110	211,0		80,4	79,5	75,0	71,5	66,0	53,5	46,7	26,5	
E14 B/1A	175	130	245,3		87,0	84,0	79,0	77,0	73,8	66,0	61,5	45,5	29,0
E14 B/1	200	150	277,2		100,8	97,4	90,4	86,9	82,9	74,2	69,0	53,9	38,4
E14 B/2C	250	185	342,2		147,0	145,0	136,0	127,0	115,6	88,0	73,0	28,0	
E14 B/2B	300	220	430,0		160,7	159,0	150,0	143,0	132,0	107,0	93,4	53,0	
E14 B/2A	400	300	551,0		174,0	168,0	158,0	154,0	147,6	132,0	123,0	91,0	58,0
E14 B/2	400	300	551,0		201,6	194,8	180,8	173,8	165,8	148,4	138,0	107,8	76,8

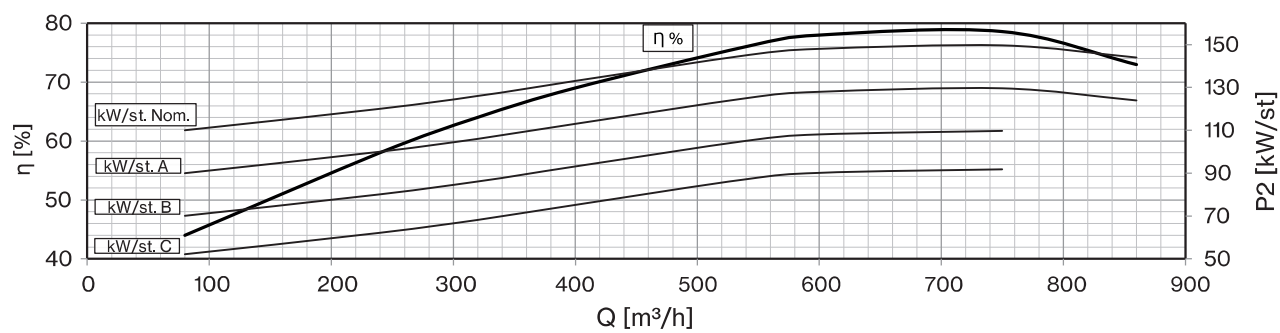
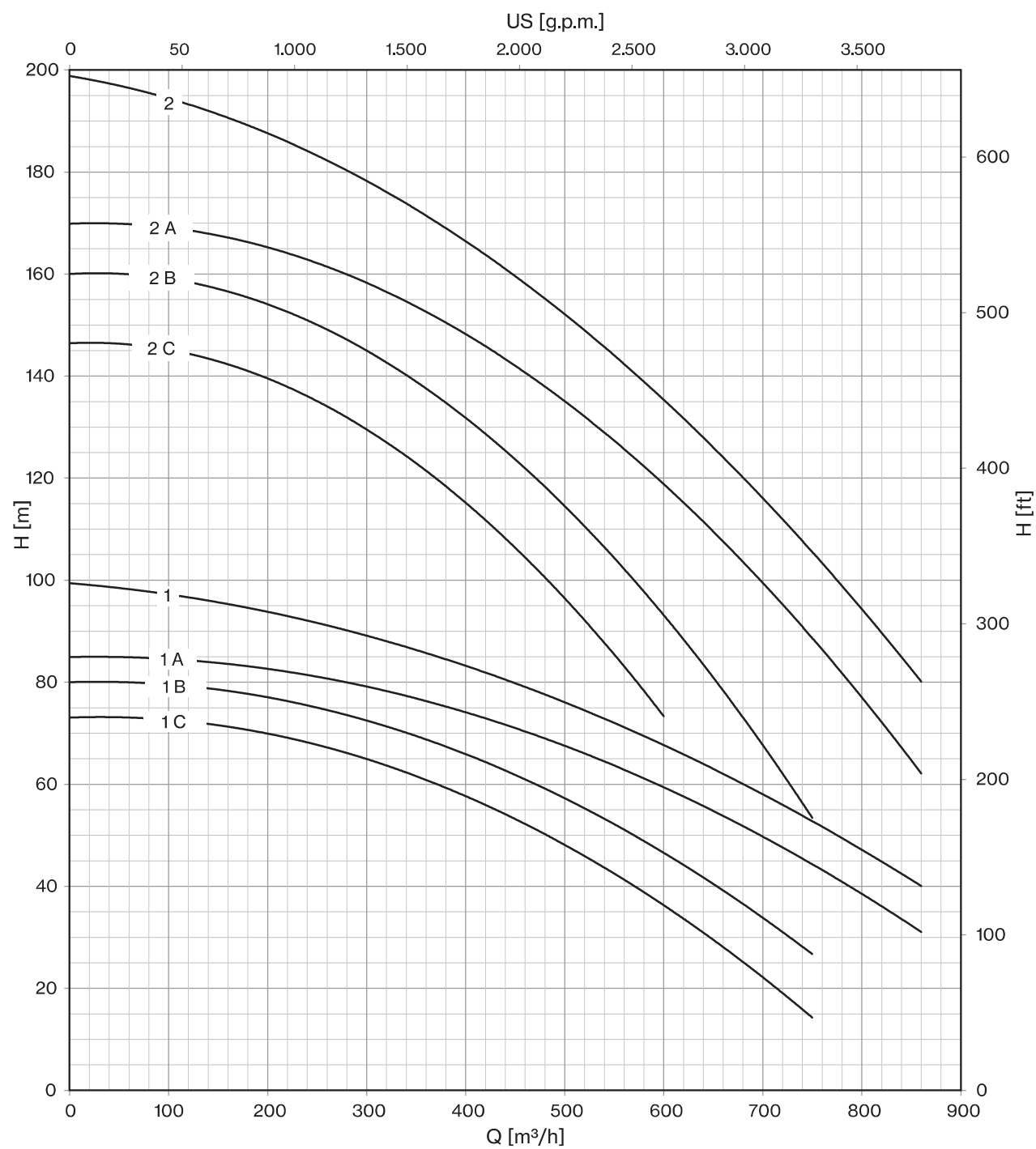
Max Eff. %	78,6
Max KW / St. C (240mm) =	91,8
Max KW / St. B (D.250mm) =	109,7
Max KW / St. A (259mm) =	129,6
Max KW / St. - (274mm) =	149,6

NPSH (m)	Q=25%	Q=50%	Q=75%	Q=100%
	6	6,4	8,6	16,3

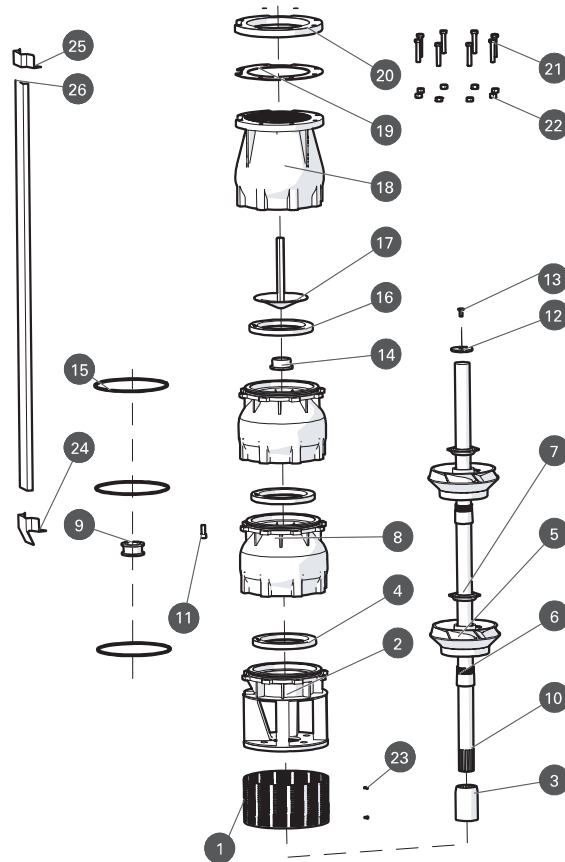


TYPE	MOTOR BRACKET	DIMENSIONS (mm)			WEIGHT (kg)	
		A	B	C	MOTOR	PUMP
E14 B/1C-8	8" NEMA	2488	905	1583	270	184
E14 B/1B-8		2638	905	1733	300	184
E14 B/1A-10	10"	2539	905	1634	385	184
E14 B/1-10		2639	905	1734	415	184
E14 B/2C-10	12"	3159	1175	1984	480	260
E14 B/2B-12		3285	1175	2110	700	260
E14 B/2A	14"	3455	1175	2280	775	260
E14 B/2		3455	1175	2280	775	260



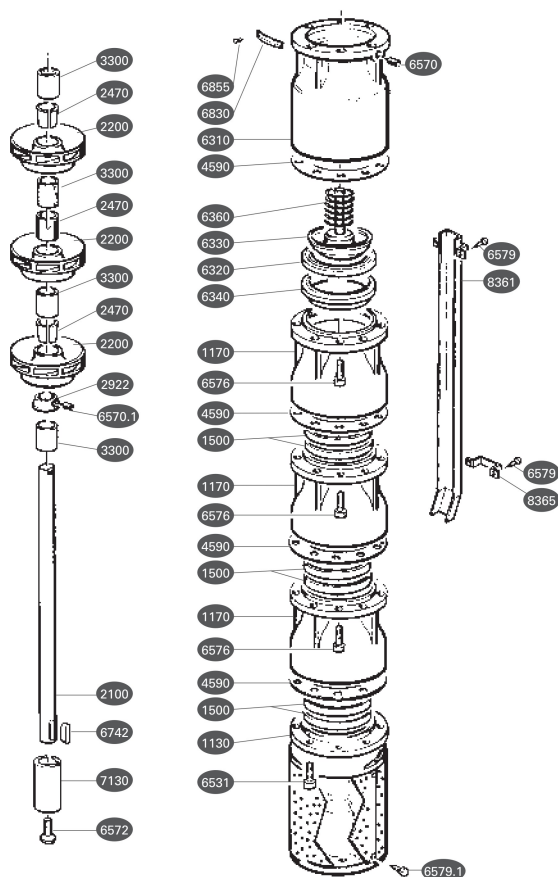


10LM-12LM



N. CODE	DESCRIPTION	LMS EXECUTION	LMX EXECUTION	LMD EXECUTION	(*) Q.TY
1	SUCTION STRAINER	AISI 304	AISI 316	Duplex EN 1.4462	-
2	MOTOR BRACKET	AISI 304	AISI 316	Duplex EN 1.4462	-
3	COUPLING	AISI 304	AISI 316	Duplex EN 1.4462	1
4	WEAR RING	NBR	NBR	NBR	N° of Stages
5	IMPELLER	AISI 304	AISI 316	Duplex EN 1.4462	-
6	CONE	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
7	HEXAGONAL RING	AISI 304	AISI 316	Duplex EN 1.4462	N° of Stages
8	DIFFUSER	AISI 304	AISI 316	Duplex EN 1.4462	-
9	BEARING BUSH	NBR	NBR	NBR	N° of Stages
10	PUMP SHAFT	AISI 304	AISI 316	Duplex EN 1.4462	1
11	N.8 SCREW FOR DIFFUSEUR	AISI 304	AISI 316	Duplex EN 1.4462	-
12	RING	AISI 304	AISI 316	Duplex EN 1.4462	1
13	SCREW FOR DISK	AISI 304	AISI 316	Duplex EN 1.4462	1
14	COUNTERTHRUST	PTFE + 25% CARBON	PTFE + 25% CARBON	PTFE + 25% CARBON	1
15	O-RING	NBR	NBR	NBR	N° of Stages
16	GASKET VALVE	NBR	NBR	NBR	1
17	CAP VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
18	BODY VALVE	AISI 304	AISI 316	Duplex EN 1.4462	-
19	SEAL COUNTERFLANGE	NBR	NBR	NBR	1
20	COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
21	N.8 SCREW FOR COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
22	N.8 NUT FOR COUNTERFLANGE	AISI 304	AISI 316	Duplex EN 1.4462	-
23	N.2 SCREW FOR SUCTION STRAINER	AISI 304	AISI 316	Duplex EN 1.4462	-
24	LOWER CLAMP	AISI 304	AISI 316	Duplex EN 1.4462	-
25	UPPER CLAMP	AISI 304	AISI 316	Duplex EN 1.4462	-
26	COVER CABLE	AISI 304	AISI 316	Duplex EN 1.4462	-

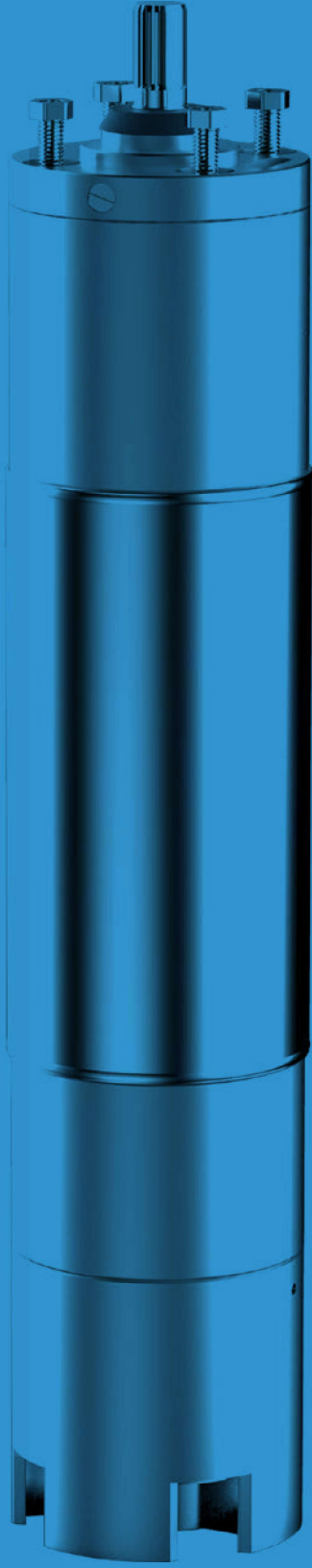
* Recommended spare parts quantity



N. CODE	DESCRIPTION	MATERIAL	(*) Q.TY
1130	MOTOR BRACKET	Cast iron	
1170	DIFFUSER	Cast iron	
1500	WEAR RING	Rubber	1 × Stage
2100	SHAFT	Stainless steel	
2200	IMPELLER	Cast iron	1 × Stage
2470	BUSHING	Steel	1 × Stage
2922	SANDGUARD	Brass	
3300	BEARING	Steel - rubber	1 × Stage
4590	GLAND	Guarnital	1 × Stage
6310	VALVE BODY	Valve body / Cast Iron	
6320	VALVE HOUSING	Rubber	
6330	WASHER	Stainless steel	
6340	HOUSING RING	Cast iron	
6360	SPRING	Stainless steel	
6531	STRAINER	Stainless steel	
6570	SCREW	Stainless steel	
6570.1	SCREW	Stainless steel	
6572	SCREW	Stainless steel	
6576	SCREW	Stainless steel	
6579	SCREW	Stainless steel	
6579.1	SCREW	Stainless steel	
6742	KEY	Stainless steel	
6830	LABEL	Stainless steel	
6855	PIN	Stainless steel	
7130	JOINT	Stainless steel	
8361	SHEAT	Stainless steel	
8365	CABLE GUARD CLAMP	Stainless steel	

* Recommended spare parts quantity





DEEPWELL BOREHOLE MOTORS

DEEPWELL BOREHOLE MOTORS

4MFE/6MFE



6R/8R/10R



PTR12/PTR14



Line of motors for submersible electric pumps, available with different construction technologies and available in sizes 4", 6", 8", 10", 12" and 14".

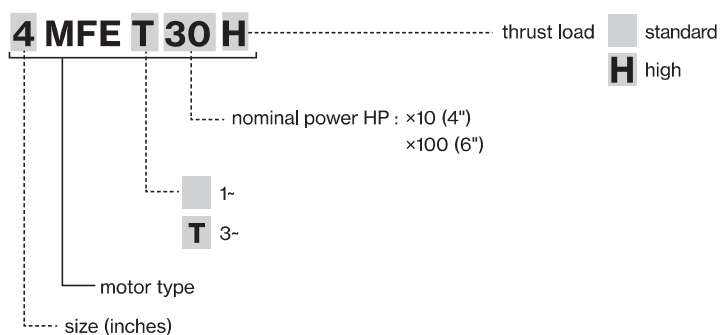
4MFE/6MFE

Deepwell Motors

4" and 6" rewindable oil filled submersible motors characterized by high torque, strong mechanical structure, high reliability. Suitable for vertical and horizontal operations.

Construction features

Upper support	nickel plated cast iron
External jacket, shaft and cup	stainless steel AISI 304
Mechanical seal	ceramic-graphite
Ball bearings	axial and radial oil lubricated
Number of startups/hr	max 30
Coolant	non-toxic dielectric lubricant
Cable	1,75 to 4 m according to motor size (3 wires + ground)
Shaft extension and coupling	NEMA standard
Voltage	1~ 220/230V - 50Hz 3~ 380/415V - 50Hz
Insulation class	F
Protection degree	IPX8
Max liquid temperature	35° C
Max depth immersion	150 m



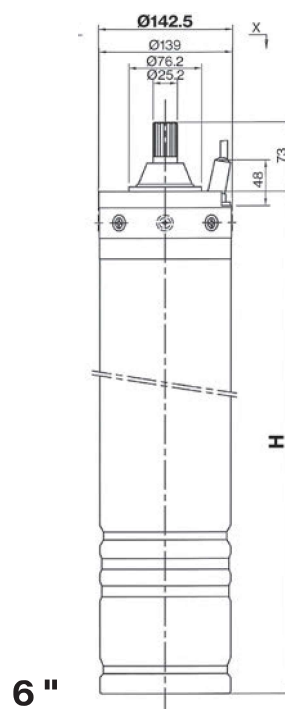
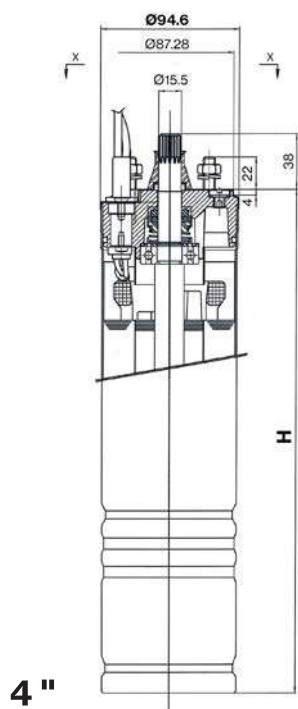
4MFE



6MFE



4MFE/6MFE



TYPE 1- 230V	Power		Axial load	I _N	I _{START}	C	Efficiency	Cos Φ	T _s / T _N	H		CABLE	
	HP	kW										N	A
			m	mm²									
4MFE 5	0,5	0,37	1500	3,4/3,6	10,8	20	53	0,94	1	325	7	1,75	1,5
4MFE 7	0,75	0,55		4,2/4,5	13,9	25	60	0,92	0,87	325	7,6		
4MFE10	1	0,75		5,6/6	18,5	35	62	0,92	0,7	350	8,7		
4MFE15	1,5	1,1		7,8/8,2	23	40	66	0,92	0,5	385	10,3		
4MFE20	2	1,5		10,8/11	38,7	50	68	0,88	0,55	420	12		
4MFE30	3	2,2	7500	14,6/14,8	43,5	70	69	0,94	0,48	470	14,2	2,5	
4MFE30H	3	2,2		14,6/14,8	43,5	70	69	0,94	0,48	520	15,5		

TYPE 3- 400V	Power		Axial load	I _N	I _{START}	Efficiency	Cos Φ	T _s /T _N	H		CABLE	
	HP	kW							N		A	%
			m	mm²								
4MFET 5	0,5	0,37	1500	1,3/1,6	6,2	60	0,72	2,9	325	6,5	1,75	1,5
4MFET 7	0,75	0,55		1,9/2	8,5	62	0,71	3,1	325	7		
4MFET 10	1	0,75		2,4/2,6	10,9	66	0,71	3,1	325	7,6		
4MFET 15	1,5	1,1		3,2/3,4	14	73	0,7	3,2	350	8,7		
4MFET 20	2	1,5		4,4/4,6	17	73	0,7	3,1	385	10,4		
4MFET 30	3	2,2	5,8/6,2	25	75	0,78	3,1	420	12	2,5		
4MFET 30H	3	2,2	7500	5,8/6,2	25	75	0,78	3,1	470		14,2	
4MFET 40	4	3	2500	7,6/7,8	35	74	0,81	2,8	418		12,8	
4MFET 42	4	3	5000	7,6/7,8	34	74	0,81	2,8	418		13,1	
4MFET 42H	4	3	7500	7,9/8	34	77	0,75	3	550		19	
4MFET 55	5,5	4	2500	9,8/9,9	49	76	0,82	3	468	15,3	3	
4MFET 57	5,5	4	5000	9,8/9,9	49	76	0,82	3	468	15,6		
4MFET 57H	5,5	4	7500	10/10,2	51	76	0,79	3,2	580	20,5		
4MFET 75	7,5	5,5	2500	13,5/13,8	57	78	0,85	3	538	18,6		
4MFET 77	7,5	5,5	5000	13,5/13,8	57	78	0,85	3	538	18,9		
4MFET 77H	7,5	5,5	7500	14,5/14,7	58	76	0,72	3,1	650	22,4	4	2
4MFET 100H	10	7,5		19/19,5	77	79	0,8	3,2	810	27		

4MFE/6MFE

TYPE 3~ 400V	Power		Axial load	I _N	I _{START}	Efficiency	Cos Φ	T _s / T _N	H	 Kg	CABLE		
	HP	kW							N		A	%	Lenght
						m							mm ²
6MFET 55	5,5	4	10000	8,8	45	76	0,82	2,4	540	32	2,8	4	
6MFET 75	7,5	5,5		12,5	64	78	0,82	3	570	40			
6MFET 100	10	7,5		16,9	78	77	0,82	2,5	600	42			
6MFET 125	12,5	9,2		21,5	95	80	0,81	2,4	600	45			
6MFET 150	15	11		23,7	121	83	0,83	2,4	700	48			
6MFET 175	17,5	12,8		27,8	145	82	0,84	2,4	700	50			
6MFET 200	20	15		30,4	160	82	0,85	2,5	760	54			
6MFET 250	25	18,5		38,3	225	82	0,85	2,1	830	65			
6MFET 300	30	22	20000	44	250	83	0,86	2	890	70	8		
6MFET 400	40	30		62	330	86	0,86	2	1030	90			
6MFET 500	50	37		72	400	86	0,87	2	1170	101			

TYPE 1~	Power		PROTECTION	CONTROL PANEL
	HP	kW		
4MFE 5	0,5	0,37	PML 5/20-4	EQSM + 20 μ F
4MFE 7	0,75	0,55	PML 7/25-6	EQSM + 25 μ F
4MFE 10	1	0,75	PML 10/35-7	EQSM + 35 μ F
4MFE 15	1,5	1	PML 15/40-10	EQSM + 40 μ F
4MFE 20	2	1,5	PML 20/50-13	EQSM + 50 μ F
4MFE 30	3	2,2	PML 30/80-18	EQSM + 80 μ F

TYPE 3~	Power		PROTECTION	CONTROL PANEL
	HP	kW		
4MFET 5	0,5	0,37	PT 7/1,3-2,1	EQSMT 10
4MFET 7	0,75	0,55	PT 7/1,3-2,1	EQSMT 10
4MFET 10	1	0,75	PT 10/1,9-3	EQSMT 10
4MFET 15	1,5	1	PT 15-20/2,9-4,5	EQSMT 10
4MFET 20	2	1,5	PT 20/30-40/4,3-6,8	EQSMT 10
4MFET 30	3	2,2	PT 20/30-40/4,3-6,8	EQSMT 10
4MFET 40	4	3	PT 40-50/5,7-9,1	EQSMT 10
4MFET 55	5,5	4	PT 55-75/8,6-13,5	EQSMT 10
4MFET 75	7,5	5,5	PT 100/12,5-16,5	EQSMT 10
4MFET 100	10	7,5	PT 125-150/16-21	EQSMT 15

TYPE	Power		PROTECTION	CONTROL PANEL	CONTROL PANEL star-delta starting 400/690 V
	HP	kW			
6MFET 55	5,4	4	PT 55-75/8,6-13,5	EQSMT 10	QST 5
6MFET 75	7,5	5,5	PT 100/12,5-16,5	EQSMT 10	QST 7
6MFET 100	10	7,5	PT 125-150/16-21	EQSMT 10	QST 10
6MFET 125	12,5	9,2	PT 200/22-29	EQSMT 15	QST 15
6MFET 150	15	11	PT 200/22-29	EQSMT 15	QST 15
6MFET 175	17,5	13	-	EQSMT 20	QST 20
6MFET 200	20	15	-	EQSMT 20	QST 20
6MFET 250	25	18,5	-	-	QST 30
6MFET 300	30	22	-	-	QST 30
6MFET 400	40	30	-	-	QST 50
6MFET 500	50	37	-	-	QST 60

6R/8R/10R

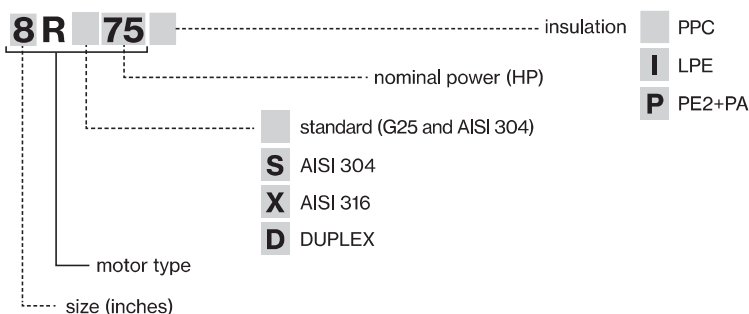
Deepwell Motors



6", 8", 10" rewindable submersible water-filled motors with NEMA coupling flange and shaftend. Power from 4 kW up to 185 kW. Available in PPC (standard), LPE and PE2+PA insulation class. The motor can be supplied in stainless steel AISI 304, AISI 316 or Duplex EN 1.4462.

Construction features

Upper and bottom support	G25 (6R / 8R / 10R)
	stainless steel AISI 304 (6RS / 8RS / 10RS)
	stainless steel AISI 316 (6RX / 8RX / 10RX) Duplex EN 1.4462 (6RD / 8RD / 10RD)
Stator sleeve	stainless steel AISI 304 - (R)
	stainless steel AISI 304 - (RS)
	stainless steel AISI 316 - (RX) Duplex EN 1.4462 - (RD)
Shaft end	stainless steel AISI 431 - (R)
	stainless steel AISI 431 - (RS)
	stainless steel AISI 316 - (RX) Duplex EN 1.4462 - (RD)
Seal type	lip seal (standard); mechanical seal (on request)
Bearings	radial and axial, water lubricated
Thrust bearing	Michell
Voltage	3~ 400V $\pm$ 10% - 50Hz
	3~ 400/690V $\pm$ 10% - 50Hz
Min. cooling flow	0,5 m/s
Insulation class	Y (max 30° C) for PPC
	F (max 50° C) for PE2+PA or LPE
Insulation	PPC (standard)
	PE2 + PA or LPE (on request)
Protection degree	IPX8
Max depth immersion	350m
Available on demand	- PT 100
	- Star/Delta starting
	- Cooling Sleeve
	- Cer./Carb./NBR Seal
	- SIC/SIC/NBR Seal

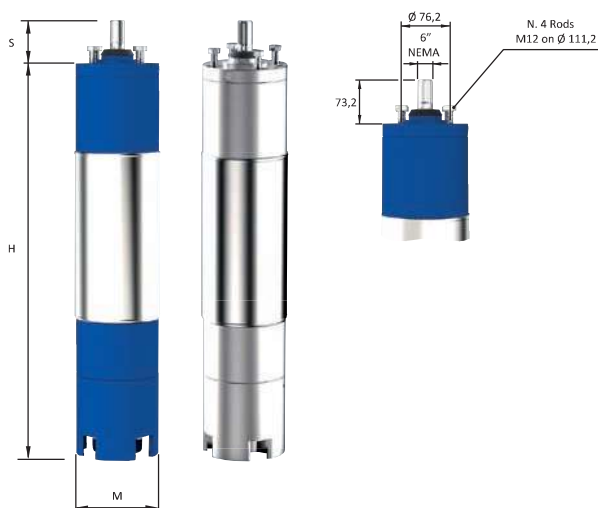


6R-6RS-6RX-6RD

TYPE	Power		V	I _N	rpm	Efficiency %			Cos Φ			Starting				Axial load	Start/ hour (max)
	HP	kW				50%	75%	100%	50%	75%	100%	Direct		Star-delta	Statoric		
				Cs/Cn								Is / In	Is / In	Is / In	N		
6R7	7,5	5,5	380	12,4	2846	77,0	82,0	81,0	0,67	0,78	0,83	1,60	5,60	1,90	3,40	16000	15
			400	12,3	2859	76,0	81,0	80,0	0,65	0,76	0,81						
			415	12,3	2880	75,0	80,0	79,0	0,63	0,74	0,79						
6R10	10	7,5	380	16,6	2843	78,0	82,5	82,0	0,68	0,78	0,84	1,80	5,70	1,90	3,40		
			400	16,3	2861	77,0	81,5	81,0	0,66	0,76	0,82						
			415	16,3	2882	76,0	80,5	80,0	0,64	0,74	0,80						
6R12	12,5	9,2	380	20,2	2846	79,0	83,0	82,0	0,68	0,79	0,85	1,80	5,70	1,90	3,40		
			400	19,9	2864	78,0	82,0	81,0	0,66	0,77	0,83						
			415	19,9	2886	77,0	81,0	80,0	0,64	0,75	0,81						
6R15	15	11	380	23,7	2849	80,0	84,5	83,5	0,69	0,79	0,85	1,90	5,90	2,00	3,50		
			400	23,4	2867	79,0	83,5	82,5	0,67	0,77	0,83						
			415	23,4	2882	78,0	82,5	81,5	0,65	0,75	0,81						
6R17	17,5	13	380	27,7	2851	81,0	84,5	84,0	0,69	0,79	0,85	1,80	6,00	2,00	3,60		
			400	27,3	2870	80,0	83,5	83,0	0,67	0,77	0,83						
			415	27,3	2887	79,0	82,5	82,0	0,65	0,75	0,81						
6R20	20	15	380	32	2852	82,0	85,0	84,0	0,69	0,79	0,85	1,70	5,90	2,00	3,50		
			400	31,5	2871	81,0	84,0	83,0	0,67	0,77	0,83						
			415	31,5	2883	80,0	83,0	82,0	0,65	0,75	0,81						
6R25	25	18,5	380	38,9	2854	82,5	85,5	85,0	0,69	0,79	0,85	1,70	5,60	1,90	3,40		
			400	38,3	2873	81,5	84,5	84,0	0,67	0,77	0,83						
			415	38,6	2889	80,0	83,0	82,5	0,65	0,75	0,81						
6R30	30	22	380	45,8	2857	82,5	85,5	85,0	0,70	0,80	0,86	1,70	5,90	2,00	3,50		
			400	45,1	2877	81,5	84,5	84,0	0,68	0,78	0,84						
			415	45,3	2890	80,0	83,0	82,5	0,66	0,76	0,82						
6R35	35	26	380	53,8	2867	82,5	86,0	85,5	0,71	0,81	0,86	1,70	5,70	1,90	3,40		
			400	52,9	2878	81,5	85,0	84,5	0,69	0,79	0,84						
			415	53,2	2891	80,0	83,5	83,0	0,67	0,77	0,82						
6R40	40	30	380	62,1	2861	82,5	86,0	85,5	0,72	0,81	0,86	1,70	5,60	1,90	3,40		
			400	61,1	2880	81,5	85,0	84,5	0,70	0,79	0,84						
			415	61,4	2892	80,0	83,5	83,0	0,68	0,77	0,82						
6R50	50	37	380	77	2863	83,0	86,5	85,0	0,72	0,81	0,86	1,60	5,60	1,90	3,40		
			400	75,8	2882	82,0	85,5	84,0	0,70	0,79	0,84						
			415	76,2	2891	80,5	84,0	82,5	0,68	0,77	0,82						

Service factor: 50Hz=1 - Direction of rotation (view from shaft projection side: anti-clockwise)
Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

TYPE	Power		Cables		Cable lenght	Max water temperature by winding type	
			Starting				
	HP	kW	Direct	Star Delta	m	PPC	PE2-PA / LPE
			400 V ± 5%	400 / 690 V			
6R7	7,5	5,5	4G × 4 mm²	2×(4G × 4 mm²)	3	30 °C	50 °C
6R10	10	7,5	4G × 4 mm²	2×(4G × 4 mm²)			
6R12	12,5	9,2	4G × 4 mm²	2×(4G × 4 mm²)			
6R15	15	11	4G × 4 mm²	2×(4G × 4 mm²)			
6R17	17,5	13	4G × 6 mm²	2×(4G × 4 mm²)			
6R20	20	15	4G × 6 mm²	2×(4G × 4 mm²)			
6R25	25	18,5	4G × 6 mm²	2×(4G × 4 mm²)			
6R30	30	22	4G × 6 mm²	2×(4G × 4 mm²)			
6R35	35	26	4G × 10 mm²	2×(4G × 6 mm²)			
6R40	40	30	4G × 10 mm²	2×(4G × 6 mm²)			
6R50	50	37	4G × 10 mm²	2×(4G × 10 mm²)			



TYPE	DIMENSIONS			
	H	S	M	
	mm			
6R7	671	73,2	145	45
6R10	701			55
6R12	751			60
6R15	811			65
6R17	841			70
6R20	931			75
6R25	991			83
6R30	1071			92
6R35	1181			100
6R40	1251			108
6R50	1341			118

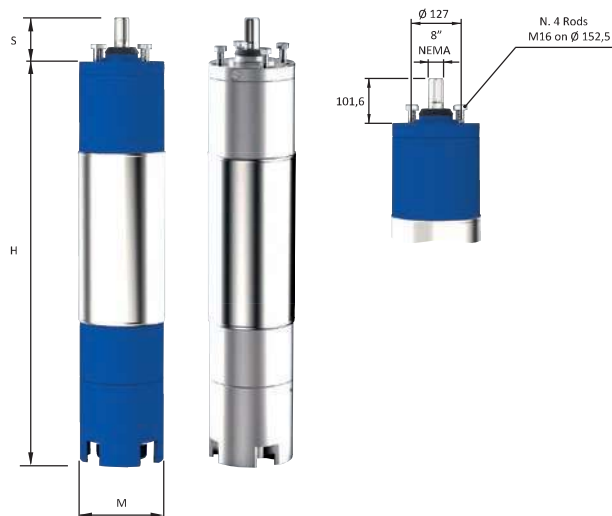
8R-8RS-8RX-8RD

TYPE	Power		V	I _N	rpm	Efficiency %			Cos Φ			Starting				Axial load N	Start/ hour (max)
	HP	kW		A		50%	75%	100%	50%	75%	100%	Direct		Star-delta	Statoric		
												Cs/Cn	Is / In	Is / In	Is / In		
8R40	40	30	380	64,4	2859	79,8	85,2	84,3	0,77	0,81	0,84	2,05	6,40	2,10	3,80	45000	10
			400	61,7	2875	80,1	85,0	84,7	0,76	0,80	0,83						
			415	60	2892	79,3	84,5	85,0	0,75	0,79	0,82						
8R50	50	37	380	75,4	2865	80,3	85,7	84,8	0,79	0,83	0,88	1,95	5,70	2,00	3,70		
			400	73	2888	80,6	85,5	85,2	0,77	0,81	0,86						
			415	71,8	2904	79,8	85,0	85,5	0,75	0,79	0,84						
8R60	60	45	380	90,2	2882	80,8	86,2	85,3	0,76	0,86	0,87	1,95	5,80	2,00	3,70		
			400	86,3	2893	81,1	86,0	85,7	0,74	0,81	0,86						
			415	84,8	2905	80,3	85,5	86,0	0,72	0,79	0,84						
8R75	75	55	380	110,2	2880	81,3	86,7	85,8	0,76	0,85	0,89	1,85	5,80	2,00	3,60		
			400	106,2	2889	81,6	86,5	86,2	0,74	0,81	0,87						
			415	105,4	2901	80,8	86,0	86,5	0,72	0,80	0,84						
8R90	90	66	380	130,7	2881	82,4	87,5	86,8	0,76	0,86	0,89	1,85	5,80	2,00	3,50		
			400	126	2892	82,6	87,4	87,2	0,74	0,82	0,87						
			415	125,1	2905	81,9	86,9	87,5	0,72	0,79	0,84						
8R100	100	75	380	148,5	2882	82,3	87,7	86,8	0,75	0,85	0,89	1,80	5,80	2,00	3,50		
			400	143,2	2893	82,6	87,5	87,2	0,73	0,81	0,87						
			415	142,1	2905	81,8	87,0	87,5	0,71	0,77	0,84						
8R125	125	92	380	183,5	2880	83,0	86,0	85,7	0,75	0,84	0,89	1,80	5,70	1,90	3,50		
			400	175,1	2891	83,5	86,5	86,3	0,74	0,83	0,88						
			415	172,7	2903	83,0	86,0	86,3	0,72	0,81	0,86						
8R150	150	110	380	218,6	2885	85,5	86,5	86,0	0,74	0,83	0,89	1,80	5,70	1,90	3,50		
			400	211	2898	86,1	87,0	86,6	0,73	0,82	0,87						
			415	212,1	2908	85,5	86,5	86,0	0,72	0,81	0,84						

Service factor: 50Hz=1 - Direction of rotation (view from shaft projection side: anti-clockwise)

Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

TYPE	Power		Cables		Cable lenght	Max water temperature by winding type	
			Starting				
	HP	kW	Direct	Star Delta	m	PPC	PE2-PA / LPE
			400 V ± 5%	400 / 690 V			
8R40	40	30	3×1×10 mm²	6×1×10 mm²	3	30 °C	50 °C
8R50	50	37	3×1×10 mm²	6×1×10 mm²			
8R60	60	45	3×1×16 mm²	6×1×10 mm²			
8R75	75	55	3×1×16 mm²	6×1×10 mm²			
8R90	90	66	3×1×25 mm²	6×1×16 mm²			
8R100	100	75	3×1×25 mm²	6×1×16 mm²			
8R125	125	92	3×1×25 mm²	6×1×16 mm²			
8R150	150	110	3×1×35 mm²	6×1×25 mm²			



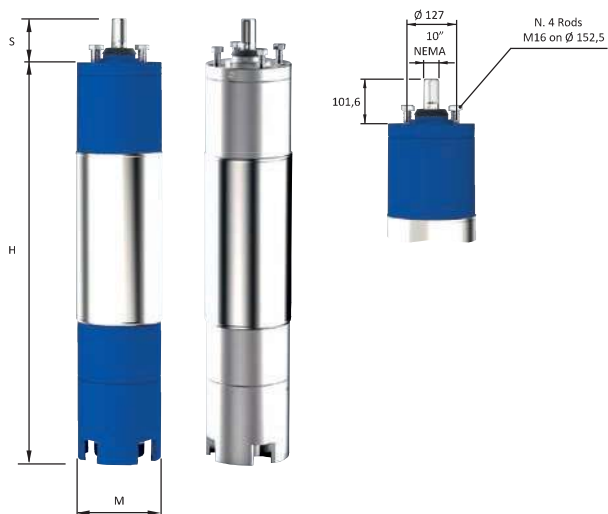
TYPE	DIMENSIONS			
	H	S	M	
	mm			
8R40	993	101,6	194	150
8R50	1043			160
8R60	1123			178
8R75	1233			200
8R90	1302			214
8R100	1383			230
8R125	1583			270
8R150	1733			

10R-10RS-10RX-10RD

TYPE	Power		V	I _N	rpm	Efficiency %			Cos Φ			Starting				Axial load N	Start/ hour (max)
	HP	kW				50%	75%	100%	50%	75%	100%	Direct		Star-delta	Statoric		
				Cs/Cn								Is / In	Is / In	Is / In			
10R100	100	75	380	154,3	2884	86,9	87,0	88,0	0,73	0,80	0,84	1,80	6,40	1,90	3,40	60000	10
			400	142,7	2896	85,9	88,0	88,3	0,72	0,84	0,86						
			415	143,9	2909	86,4	88,3	88,5	0,64	0,77	0,82						
10R125	125	92	380	188,7	2890	87,2	87,3	88,3	0,74	0,83	0,84	1,60	6,30	1,80	3,40		
			400	174,5	2904	86,2	88,3	88,6	0,71	0,83	0,86						
			415	176	2914	86,7	88,6	88,8	0,63	0,75	0,82						
10R150	150	110	380	222,2	2930	87,9	88,0	89,0	0,71	0,81	0,85	1,55	6,70	1,80	3,30		
			400	207	2937	86,9	89,0	89,3	0,73	0,84	0,86						
			415	211,3	2943	87,4	89,3	89,5	0,63	0,77	0,81						
10R175	175	130	380	265,6	2895	87,5	88,2	89,0	0,73	0,81	0,83	1,85	5,80	2,00	3,60		
			400	245,3	2915	86,5	89,3	89,4	0,71	0,83	0,85						
			415	244,6	2928	87,1	89,5	89,6	0,62	0,75	0,82						
10R200	200	150	380	299,1	2898	87,1	88,2	89,0	0,72	0,82	0,84	1,55	6,50	1,80	3,30		
			400	277,2	2917	86,1	88,5	89,1	0,71	0,81	0,86						
			415	278,1	2931	86,5	88,1	88,7	0,65	0,75	0,83						
10R225	225	165	380	337,2	2901	86,5	87,5	88,6	0,72	0,82	0,84	1,55	6,50	1,80	3,30		
			400	313,3	2920	85,4	87,2	88,5	0,71	0,81	0,86						
			415	313,9	2930	86,0	87,3	88,2	0,65	0,75	0,83						
10R250	250	185	380	370	2904	87,4	88,0	89,0	0,73	0,83	0,85	1,50	6,50	1,80	3,30		
			400	342,2	2924	86,5	88,7	89,3	0,72	0,82	0,87						
			415	340,9	2936	87,3	89,3	89,5	0,65	0,77	0,84						

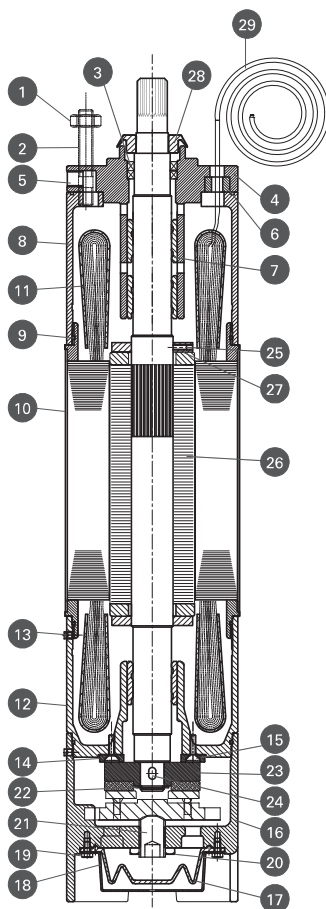
Service factor: 50Hz=1 - Direction of rotation (view from shaft projection side: anti-clockwise)
Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

TYPE	Power		Cables		Cable lenght	Max water temperature by winding type	
			Starting				
	HP	kW	Direct	Star Delta	m	PPC	PE2-PA / LPE
			400 V ± 5%	400 / 690 V			
10R100	100	75	3×1×25 mm²	6×1×16 mm²	3	30 °C	50 °C
10R125	125	92	3×1×25 mm²	6×1×16 mm²			
10R150	150	110	3×1×35 mm²	6×1×16 mm²			
10R175	175	130	3×1×35 mm²	6×1×25 mm²			
10R200	200	150	3×1×50 mm²	6×1×25 mm²			
10R225	225	165	3×1×50 mm²	6×1×35 mm²			
10R250	250	185	3×1×50 mm²	6×1×35 mm²			



TYPE	DIMENSIONS			
	H	S	M	
	mm			
10R100	1284	101,6	240	270
10R125	1354			310
10R150	1504			350
10R175	1634			385
10R200	1734			415
10R225	1854			444
10R250	1984			480

6R/8R/10R

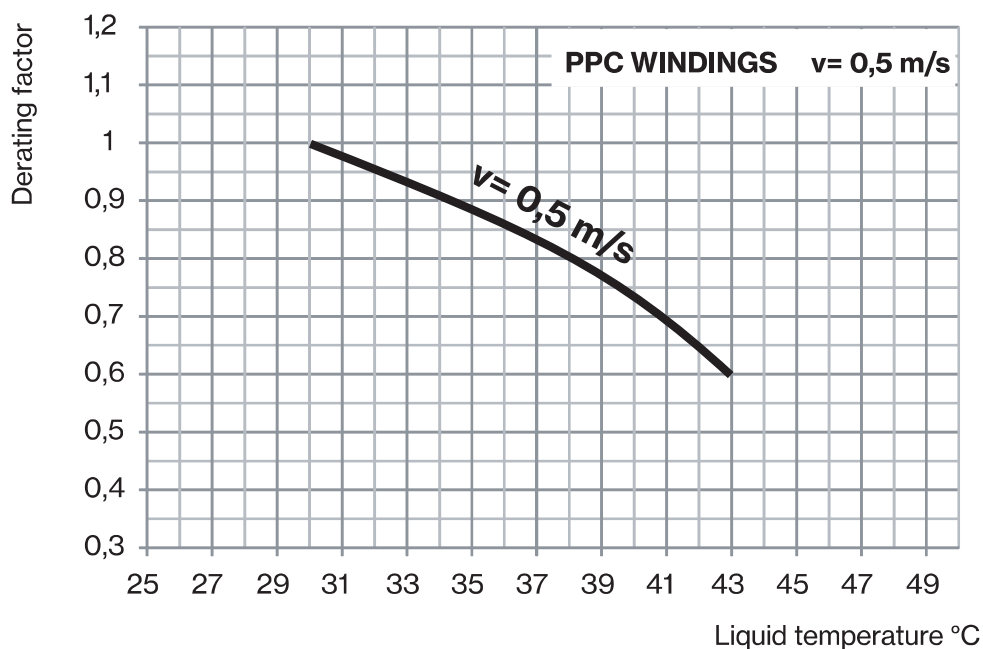


N. CODE	(*) Nº	DESCRIPTION	MATERIAL STANDARD VERSION R	MATERIAL VERSION RS-RX-RD
1		N.4 Nuts	AISI 304	AISI 304 / AISI 316 / DUPLEX
2		N.4 Studs	AISI 304	AISI 304 / AISI 316 / DUPLEX
3(*)	1	N.2 Seal rings	NBR	NBR
4		Upper support	CAST IRON	AISI 304 / AISI 316 / DUPLEX
5		N.2 Grains for Liquid filling	AISI 304	AISI 304 / AISI 316 / DUPLEX
6		Grommet	NBR	NBR
7(*)	3	N.3 Bearings	GRAPHITE	GRAPHITE
8		Motor casing	CAST IRON	AISI 304 / AISI 316 / DUPLEX
9(*)	4	N.4 O-ring	NBR	NBR
10		Motor external sleeve	AISI 304	AISI 304 / AISI 316 / DUPLEX
11		N.2 Covers winding protection	POM	POM
12		Lower support	CAST IRON	AISI 304 / AISI 316 / DUPLEX
13		N.3 Screw	AISI 304	AISI 304 / AISI 316 / DUPLEX
14(*)	2	N.2 Disks controsuspension	TEFLON	TEFLON
15		N.2 Screws for controsuspension	AISI 304	AISI 304
16		Base motor	CAST IRON	AISI 304 / AISI 316 / DUPLEX
17(*)	1	Diaphram	NBR	NBR
18		Cover diaphram	AISI 304	AISI 304 / AISI 316 / DUPLEX
19		N.4 Screw for cover diaphram	AISI 304	AISI 304 / AISI 316 / DUPLEX
20		Nut	AISI 304	AISI 304
21		Screw	AISI 304	AISI 304
22		Seeger	AISI 304	AISI 304
23(*)	1	Trust bearing	AISI + GRAPHITE	AISI + GRAPHITE
24		Key	AISI 304	AISI 304
25		N.2 Grains for stabilizer	AISI 304	AISI 304
26		Complete rotor	AISI	AISI
27		N.2 Stabilizers	AISI	AISI
28(*)	1	Deflector	NBR	NBR
29		Cable	H07 RNF	H07 RNF

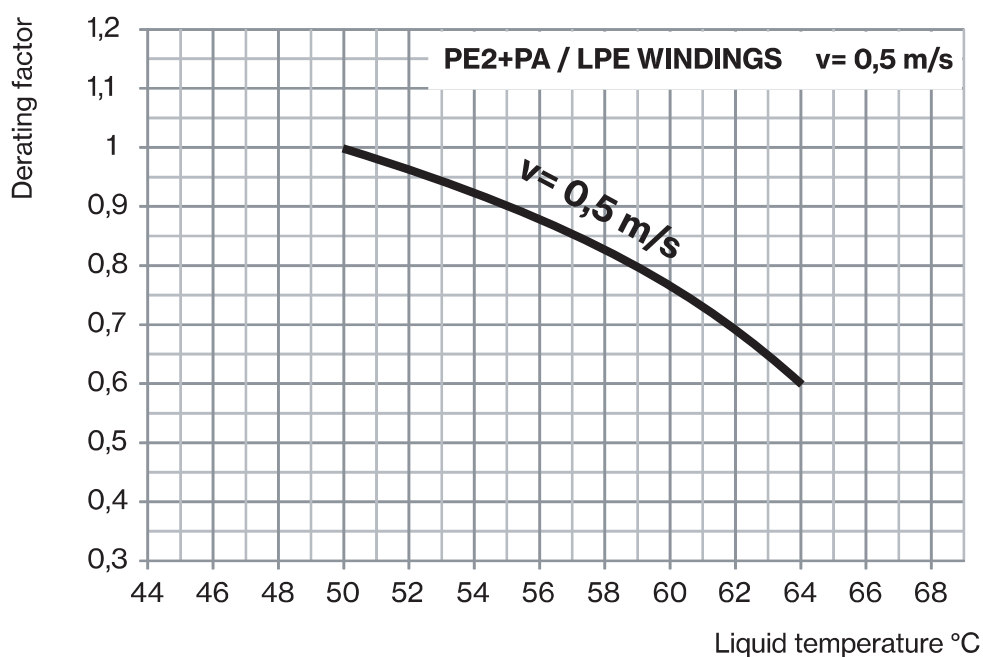
*Recommended spare parts

OPERATING CONDITIONS AT DIFFERENT WATER TEMPERATURE

All 6" - 8" - 10" standard motors with PPC windings can operate at liquid temperatures up to 30 °C without derating factor. From 31 °C till 43 °C the motors have to be derated according to the factor shown in the following graph.



All 6" - 8" - 10" motors with PE2+PA / LPE windings can operate at liquid temperatures up to 50 °C without derating factor. From 51 °C till 64 °C the motors have to be derated according to the factor shown in the following graph.



Motor size	Max motor starts per hour	Winding max temperature (°C)			Liquid max temperature (°C)		
		PPC	LPE	PE2+PA	PPC	LPE	PE2+PA
6"	15	70	80	80	30	50	50
8"	10	70	80	80	30	50	50
10"	10	70	80	80	30	50	50

PPC = Y insulation class

LPE = F insulation class

PE2+PA = / F insulation class

Minimum liquid velocity for motor 6" - 8" - 10": 0,5 m/s

PTR12/PTR14

Deepwell Motors

12" - 14" submersible rewindable water-filled motors. Power from 185 kW up to 400 kW. Standard PE2+PA winding insulation class for temperature up to 30°C.

Construction features

Upper and bottom support GG25 or stainless steel AISI 316

Stator sleeve stainless steel AISI 316

Shaft end stainless steel

Mechanical seal SIC / SIC / NBR

Bearings steel / NBR

Voltage 3~ 380-400V - 50Hz

Cooling flow min 0,5 m/s

Insulation class F

Insulation PE2 + PA

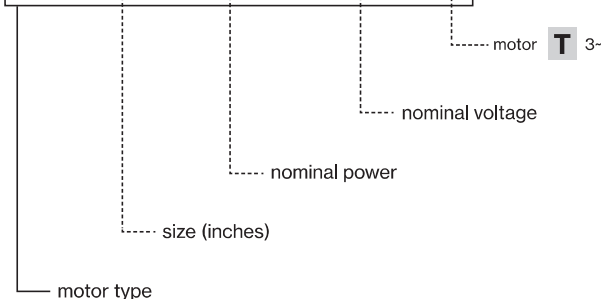
Protection degree IPX8

Available on demand

- Full motor in AISI 316
- Full motor in AISI 904
- PT 100
- Star/Delta starting
- Cooling Sleeve
- Clockwise rotation

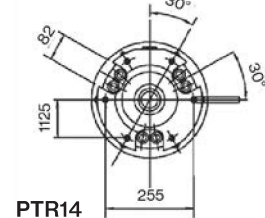
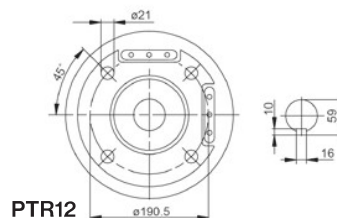
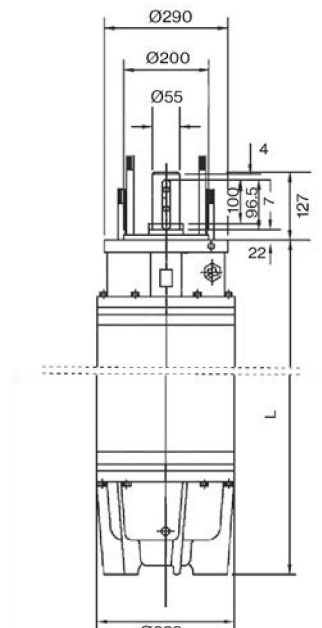
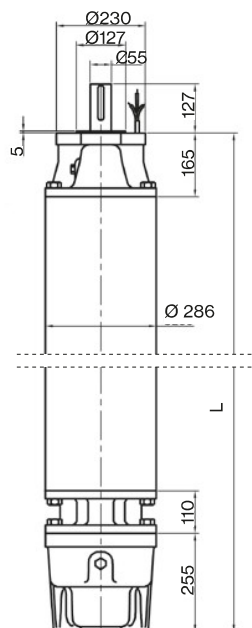


PTR 12 - 220kW-400V - T

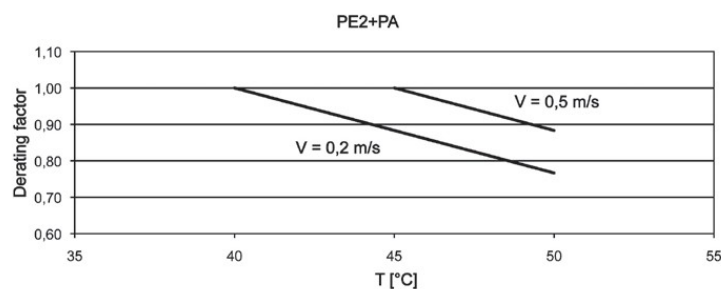


TYPE 3~ 400V	V	P ₂		I _N	I _S /I _N	P ₁	rpm	Efficiency	Cos Φ	CABLE	
		HP	kW	A		kW		%		Lenght	Size
				m	mm²						
PTR12 - 220kW	400	300	220	424	6,1	250	2920	88	0,85	8	3×70+1×50
PTR12 - 250kW	400	340	250	481	5,9	284	2920	88	0,85		3×70+1×50
PTR14 - 294kW	380	400	300	551	5,8	327	2900	90	0,9	8	3×95+1×50
PTR14 - 330kW	380	450	330	620	6	367	2900	90	0,9		3×95+1×50
PTR14 - 367kW	380	500	370	693	6,4	406	2900	90,5	0,89		3×95+1×50
PTR14 - 404kW	380	550	400	798	6,8	446	2900	90,5	0,85		3×95+1×50

TYPE	DIMENSIONS				 Kg
	Power		Axial load	L	
	HP	kW	N	mm	
PTR12 - 220kW	300	220	70000	2110	700
PTR12 - 250kW	340	250		2280	775
PTR14 - 294kW	400	300	70000	2020	845
PTR14 - 330kW	450	330		2160	906
PTR14 - 367kW	500	370		2320	1010
PTR14 - 404kW	550	400		2460	1105

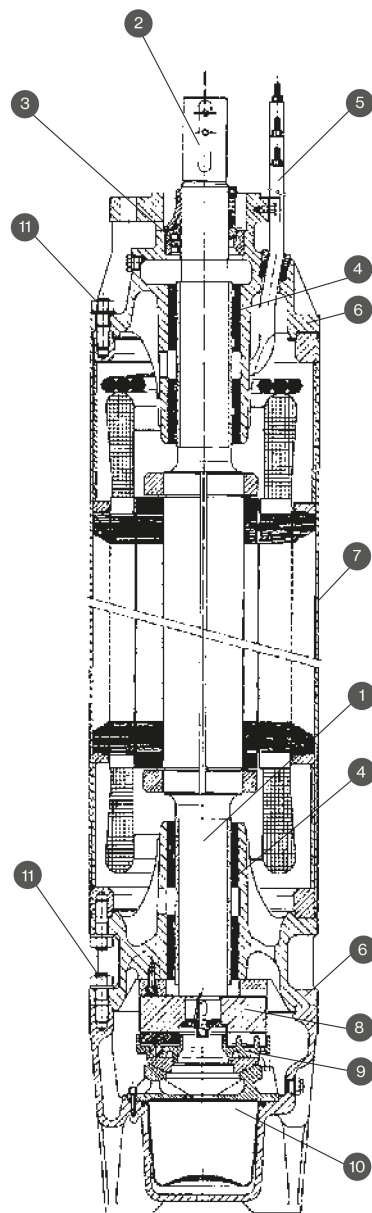


POWER DERATING AT DIFFERENT LIQUID TEMPERATURE



The graph above does not include the PTR12 220kW, 250kW and 300kW models. The maximum temperature is 10° C for models PTR12 220kW and 250kW, 25° C for PTR12 300kW.

PTR12/PTR14



N.	PARTS	STD VERSION	VERSION 316 SS	VERSION 904 SS
1	SHAFT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
2	SHAFT TERMINAL	AISI 316	AISI 316	AISI 904
3	MECHANICAL SEAL	CERAMIC/CARBON	SIC/SIC	SIC/SIC
4	BUSHES	STEEL/NBR	STEEL/NBR	STEEL/NBR
5	CABLE	EPDM	EPDM	EPDM
6	STRUCTURAL PARTS	CAST IRON	AISI 316	AISI 904
7	JACKET	AISI 316	AISI 316	AISI 904
8	THRUST PLATE	STEEL	STEEL	STEEL
9	THRUST BEARING	STEEL/NBR	STEEL/NBR	STEEL/NBR
10	DIAPHRAGM	EPDM	EPDM	EPDM
11	SCREWS	AISI 304	AISI 316	AISI 904