

10" Submersible Pump General Data

Construction

- Submersible Motor & Pumps For deep wells of 10" (DN 250 mm).
- Delivery casing with built-in non-return valve.
- Impellers :
 - **Mixed flow impellers**
P150A, P200A, P250A, P300A
- Connection : Screwed pipe connection.

Applications

- For water supply.
- For irrigation.
- For civil and industrial applications.
- For fire fighting applications.

Performance

- Head range up to 510 meters
- Flow range up to 291 m³/h.

Operating conditions

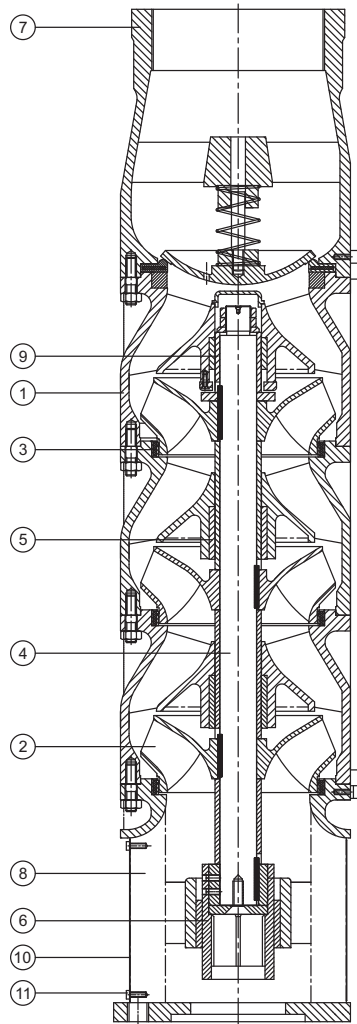
- Water temperature up to 45°C.
- Max. Sand quantity into the water : 50g/m³.
- Max. Starts per hour : 15 at regular intervals.
- Direction of rotation : Clockwise as seen from the pump coupling side.

Special Construction on request

- Available with Grey Iron & Stainless-Steel Impeller.



10" Submersible Pump General Data



P TYPE PUMP

Sr. No.	Pump Components	P Type Pump	
		Cast Iron	Bronze
1	Bowl / Diffuser	Grey Iron 200 ISO 185	Bronze**
2	Impeller	Bronze**	Bronze**
3	Wear Ring	Nitrile Rubber	Nitrile Rubber
4	Shaft	Cr Steel AISI 410	Cr Steel AISI 410
5	Shaft Sleeve	Cr Steel AISI 410	Cr Steel AISI 410
6	Couple	Cr Steel AISI 410	Cr Steel AISI 410
7	Delivery Casing	Grey Iron 200 ISO 185	Bronze**
8	Suction case	Grey Iron 200 ISO 185	Bronze**
9	Bearing Bush	Nitrile Rubber	Nitrile Rubber
10	Strainer	Cr - Ni Steel AISI 202	Cr - Ni Steel AISI 202
11	Screw	Cr - Ni Steel AISI 304	Cr - Ni Steel AISI 304

NOTE :

* Impeller also available in Grey Iron or Stainless Steel on request.

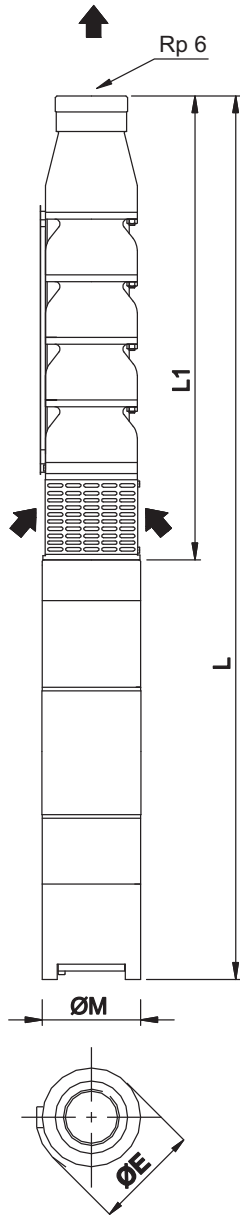
** Bronze = G - Cu - Sn 10 UNI7013

10 INCH

Technical Data

Mixed Flow 10" Electric Submersible Pump

P150A



Performance Chart

Pump Type	Motor Type	H.P.	KW	Q M ³ /h l/min	n = 2900 rpm					
					60.0	72.0	94.5	118.5	136.2	150.0
					1000	1200	1575	1975	2270	2500
P150A/1	L6515-KP	15.0	11.0	H mts.	30	29	27	24	21	18
P150A/2	L6530-KP	30.0	22.0		60	58	54	48	42	36
P150A/3	L6545-KP	45.0	33.0		90	87	81	72	63	54
P150A/4	L8560-KH	60.0	45.0		120	116	108	96	84	72
P150A/5	L8575-KH	75.0	55.0		150	145	135	120	105	90
P150A/6	L8590-H	90.0	66.0		180	174	162	144	126	108
P150A/7	L85100-H	100.0	75.0		210	203	189	168	147	126
P150A/8	L85125-H	125.0	93.0		240	232	216	192	168	144
P150A/9	L15150-D	150.0	110.0		270	261	243	216	189	162
P150A/10	L15150-D	150.0	110.0		300	290	270	240	210	180
P150A/11	L15180-D	180.0	135.0		330	319	297	264	231	198
P150A/12	L15180-D	180.0	135.0		360	348	324	288	252	216
P150A/13	L15200-D	200.0	150.0		390	377	351	312	273	234
P150A/14	L15200-D	200.0	147.0		420	406	378	336	294	252
P150A/15	L15225-D	225.0	165.0		450	435	405	360	315	270
P150A/16	L15250-D	250.0	185.0		480	464	432	384	336	288
P150A/17	L15250-D	250.0	185.0		510	493	459	408	357	306

Dimensions & Weights of Pump with Water filled Motor

Type Pump + Motor	ØM (mm)	ØE (mm)	Length (mm)			Net Weight (kg)			Packaging Details						
			L1	L		Pump	Pump+Motor		Gross Weight (kg)			Gross Volume (m ³)			
				1 ~	3 ~		Pump	Pump+Motor		Pump	Pump+Motor		Pump	Pump+Motor	
								1 ~	3 ~		1 ~	3 ~		1 ~	3 ~
P150A/1 + L6515-KP	142	242	601	*	1464	58.0	*	122.0	79.0	*	146.0	0.1050	*	0.1726	
P150A/2 + L6530-KP	142	242	741	*	1824	75.0	*	161.0	98.0	*	203.0	0.1160	*	0.1714	
P150A/3 + L6545-KP	142	242	881	*	2194	91.0	*	199.0	123.0	*	255.0	0.1560	*	0.2214	
P150A/4 + L8560-KH	190	242	1021	*	2287	107.0	*	295.0	145.0	*	376.0	0.1740	*	0.3829	
P150A/5 + L8575-KH	190	242	1161	*	2547	123.0	*	333.0	167.0	*	422.0	0.1940	*	0.4206	
P150A/6 + L8590-H	190	242	1301	*	2801	139.0	*	389.0	189.0	*	486.0	0.2140	*	0.4795	
P150A/7 + L85100-H	190	242	1441	*	3041	155.0	*	420.0	211.0	*	526.0	0.2320	*	0.5010	
P150A/8 + L85125-H	190	242	1581	*	3301	170.0	*	451.0	232.0	*	569.0	0.2520	*	0.5352	
P150A/9 + L15150-D	240	242	1721	*	3343	187.0	*	514.0	255.0	*	652.0	0.2720	*	0.6127	
P150A/10 + L15150-D	240	242	1861	*	3483	203.0	*	530.0	284.0	*	681.0	0.3100	*	0.6507	
P150A/11 + L15180-D	240	242	2001	*	3683	219.0	*	563.0	306.0	*	725.0	0.3300	*	0.6894	
P150A/12 + L15180-D	240	242	2141	*	3823	236.0	*	580.0	328.0	*	747.0	0.3500	*	0.7094	
P150A/13 + L15200-D	240	242	2281	*	4003	252.0	*	610.0	350.0	*	783.0	0.3700	*	0.7294	
P150A/14 + L15200-D	240	242	2421	*	4143	267.0	*	625.0	370.0	*	803.0	0.3890	*	0.7484	
P150A/15 + L15225-D	240	242	2561	*	4333	281.0	*	654.0	391.0	*	842.0	0.4080	*	0.7823	
P150A/16 + L15250-D	240	242	2701	*	4523	297.0	*	684.0	412.0	*	884.0	0.4270	*	0.8236	
P150A/17 + L15250-D	240	242	2841	*	4663	313.0	*	700.0	434.0	*	906.0	0.4460	*	0.8426	

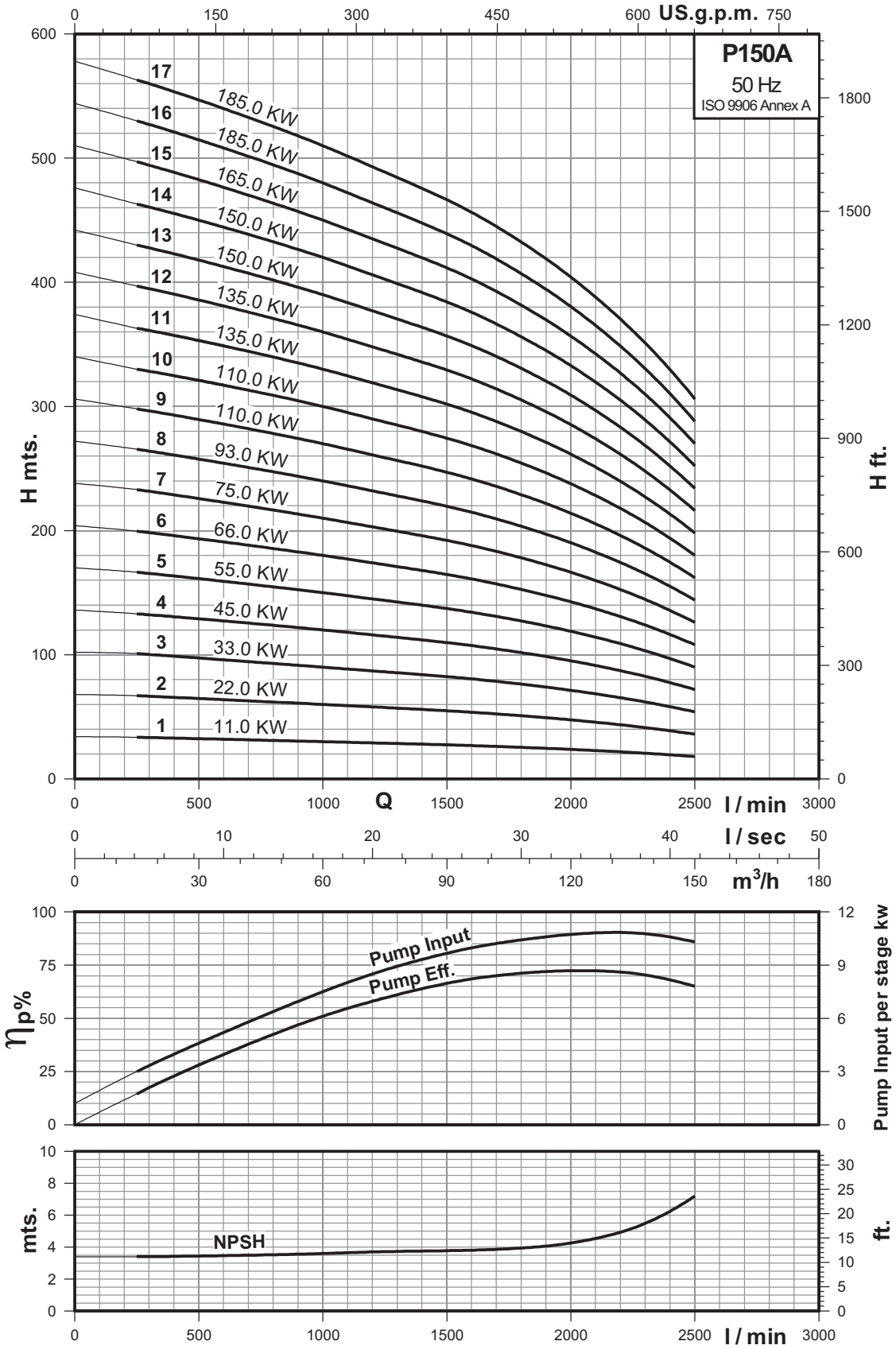
ØE = For Single Cable Motor Maximum Diameter of Pump Inclusive of Cable Guard.
For Two Cable Motor Maximum Diameter of Pump Inclusive of Cable Guard Will Increase by 6mm.

10 INCH

Performance Curves

Mixed Flow 10" Electric Submersible Pump

P150A



10 INCH

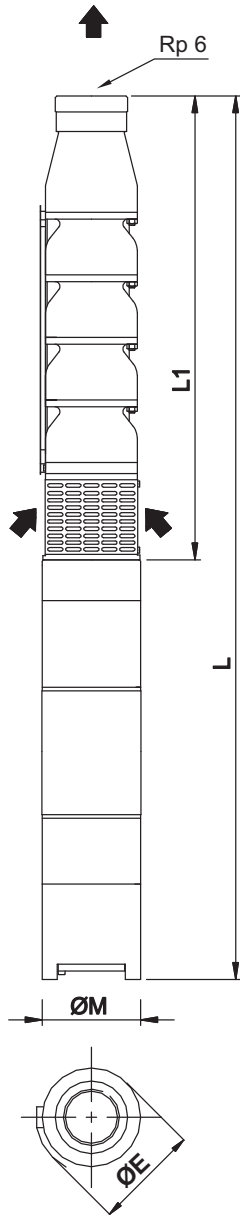
Technical Data

Mixed Flow 10" Electric Submersible Pump

P200A

Performance Chart

Pump Type	Motor Type	H.P.	KW	Q M ³ /h l/min	n = 2900 rpm					
					60.0	90.0	123.0	150.0	180.0	210.0
					1000	1500	2050	2500	3000	3500
P200A/1	L6520-KP	20.0	15.0	H mts.	32	30	27	24	20	15
P200A/2	L6540-KP	40.0	30.0		64	60	54	48	40	30
P200A/3	L8560-KH	60.0	45.0		96	90	81	72	60	45
P200A/4	L8575-KH	75.0	55.0		128	120	108	96	80	60
P200A/5	L85100-H	100.0	75.0		160	150	135	120	100	75
P200A/6	L85125-H	125.0	93.0		192	180	162	144	120	90
P200A/7	L15150-D	150.0	110.0		224	210	189	168	140	105
P200A/8	L15180-D	180.0	135.0		256	240	216	192	160	120
P200A/9	L15180-D	180.0	135.0		288	270	243	216	180	135
P200A/10	L15200-D	200.0	150.0		320	300	270	240	200	150
P200A/11	L15225-D	225.0	165.0		352	330	297	264	220	165
P200A/12	L15250-D	250.0	185.0		384	360	324	288	240	180



Dimensions & Weights of Pump with Water filled Motor

Type Pump + Motor	ØM (mm)	ØE (mm)	Length (mm)			Net Weight (kg)				Packaging Details					
			L1	L		Pump	Pump+Motor		Gross Weight (kg)			Gross Volume (m ³)			
				1 ~	3 ~		1 ~	3 ~	Pump	Pump+Motor		Pump	Pump+Motor		
										1 ~	3 ~		1 ~	3 ~	
P200A/1 + L6520-KP	142	242	601	*	1564	58.0	*	133.0	79.0	*	158.0	0.1050	*	0.1726	
P200A/2 + L6540-KP	142	242	741	*	1954	75.0	*	175.0	98.0	*	220.0	0.1160	*	0.1771	
P200A/3 + L8560-KH	190	242	881	*	2147	91.0	*	279.0	123.0	*	354.0	0.1560	*	0.3649	
P200A/4 + L8575-KH	190	242	1021	*	2407	107.0	*	317.0	145.0	*	400.0	0.1740	*	0.4006	
P200A/5 + L85100-H	190	242	1161	*	2761	123.0	*	388.0	167.0	*	482.0	0.1940	*	0.4630	
P200A/6 + L85125-H	190	242	1301	*	3021	139.0	*	420.0	189.0	*	526.0	0.2140	*	0.4972	
P200A/7 + L15150-D	240	242	1441	*	3063	155.0	*	482.0	211.0	*	608.0	0.2320	*	0.5727	
P200A/8 + L15180-D	240	242	1581	*	3263	170.0	*	514.0	232.0	*	651.0	0.2520	*	0.6114	
P200A/9 + L15180-D	240	242	1721	*	3403	187.0	*	531.0	255.0	*	674.0	0.2720	*	0.6314	
P200A/10 + L15200-D	240	242	1861	*	3583	203.0	*	561.0	284.0	*	717.0	0.3100	*	0.6694	
P200A/11 + L15225-D	240	242	2001	*	3773	219.0	*	592.0	306.0	*	757.0	0.3300	*	0.7043	
P200A/12 + L15250-D	240	242	2141	*	3963	236.0	*	623.0	328.0	*	800.0	0.3500	*	0.7466	

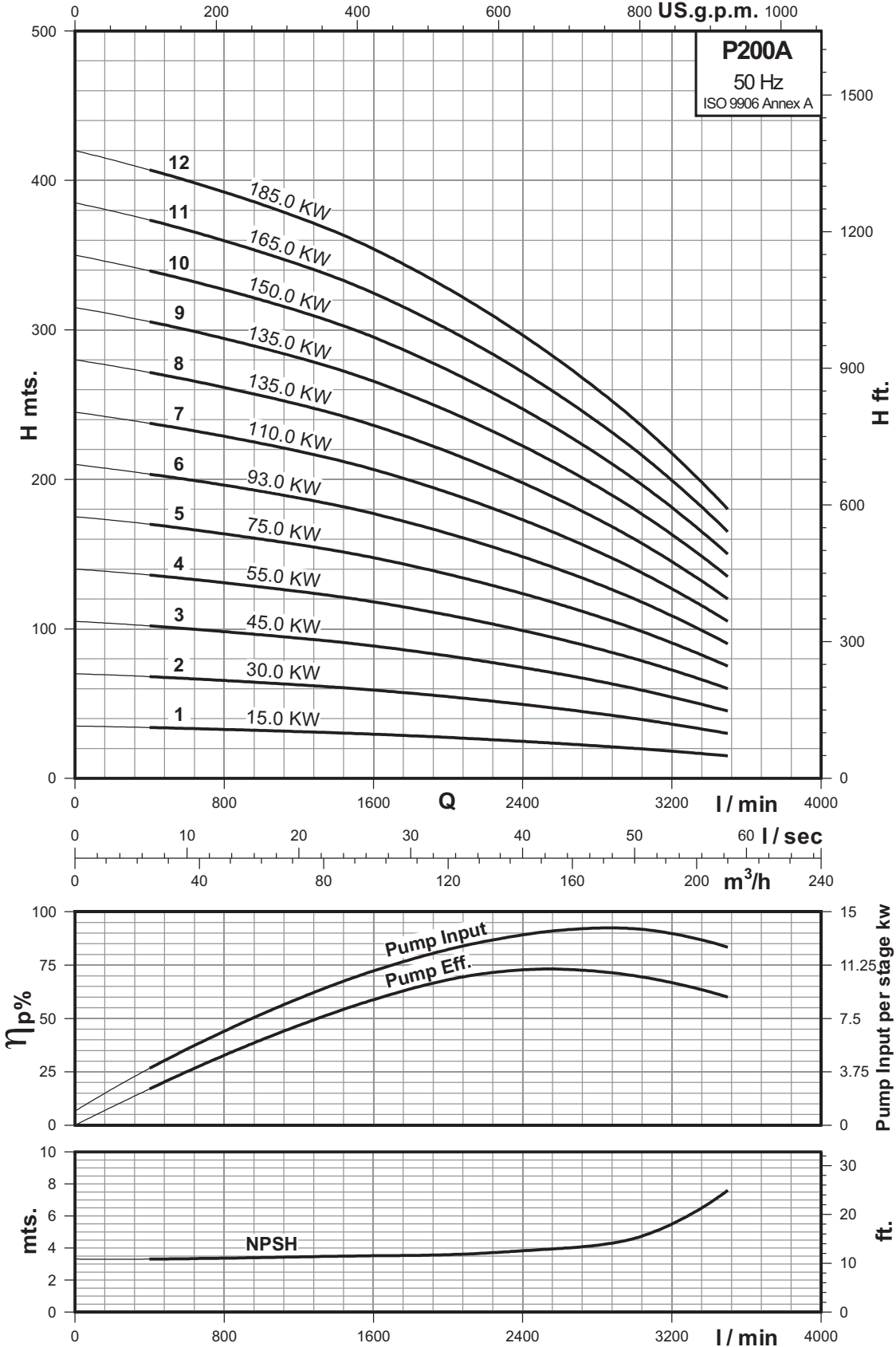
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10 INCH

Performance Curves

Mixed Flow 10" Electric Submersible Pump

P200A



10 INCH

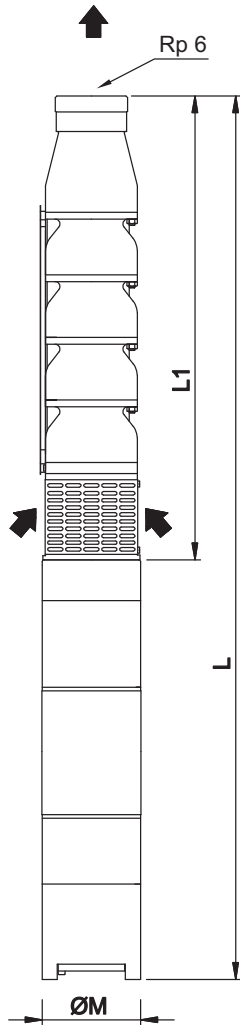
Technical Data

Mixed Flow 10" Electric Submersible Pump

P250A

Performance Chart

Pump Type	Motor Type	H.P.	KW	Q M ³ /h l/min	n = 2900 rpm						
					H mts.						
					90.0	126.0	144.0	174.0	198.0	222.0	210.0
	Water filled				1500	2100	2400	2900	3300	3700	4400
P250A/1	L6525-KP	25.0	18.5		30	28	27	25	23	21	17
P250A/2	L6550-KP	50.0	37.0		60	56	54	50	46	42	34
P250A/3	L8575-KH	75.0	55.0		90	84	81	75	69	63	51
P250A/4	L85100-H	100.0	75.0		120	112	108	100	92	84	68
P250A/5	L85125-H	125.0	93.0		150	140	135	125	115	105	85
P250A/6	L15150-D	150.0	110.0		180	168	162	150	138	126	102
P250A/7	L15180-D	180.0	135.0		210	196	189	175	161	147	119
P250A/8	L15200-D	200.0	150.0		240	224	216	200	184	168	136
P250A/9	L15225-D	225.0	165.0		270	252	243	225	207	189	153
P250A/10	L15250-D	250.0	185.0		300	280	270	250	230	210	170



Dimensions & Weights of Pump with Water filled Motor

Type Pump + Motor	ØM (mm)	ØE (mm)	Length (mm)			Net Weight (kg)			Packaging Details					
			L1	L		Pump	Pump+Motor		Gross Weight (kg)			Gross Volume (m ³)		
				1 ~	3 ~		1 ~	3 ~	Pump	Pump+Motor		Pump	Pump+Motor	
										1 ~	3 ~		1 ~	3 ~
P250A/1 + L6525-KP	142	242	639	*	1662	51.0	*	130.0	74.0	*	171.0	0.1160	*	0.1688
P250A/2 + L6550-KP	142	242	799	*	2112	69.0	*	177.0	95.0	*	227.0	0.1360	*	0.2014
P250A/3 + L8575-KH	190	242	959	*	2345	86.0	*	296.0	119.0	*	374.0	0.1560	*	0.3826
P250A/4 + L85100-H	190	242	1119	*	2719	104.0	*	369.0	148.0	*	463.0	0.1940	*	0.4630
P250A/5 + L85125-H	190	242	1279	*	2999	121.0	*	402.0	172.0	*	509.0	0.2140	*	0.4972
P250A/6 + L15150-D	240	242	1439	*	3061	139.0	*	466.0	195.0	*	592.0	0.2320	*	0.5727
P250A/7 + L15180-D	240	242	1599	*	3281	155.0	*	499.0	224.0	*	643.0	0.2720	*	0.6314
P250A/8 + L15200-D	240	242	1759	*	3481	173.0	*	531.0	247.0	*	680.0	0.2920	*	0.6514
P250A/9 + L15225-D	240	242	3691	*	5463	190.0	*	563.0	270.0	*	721.0	0.3100	*	0.6843
P250A/10 + L15250-D	240	242	3901	*	5723	207.0	*	594.0	294.0	*	766.0	0.3300	*	0.7266

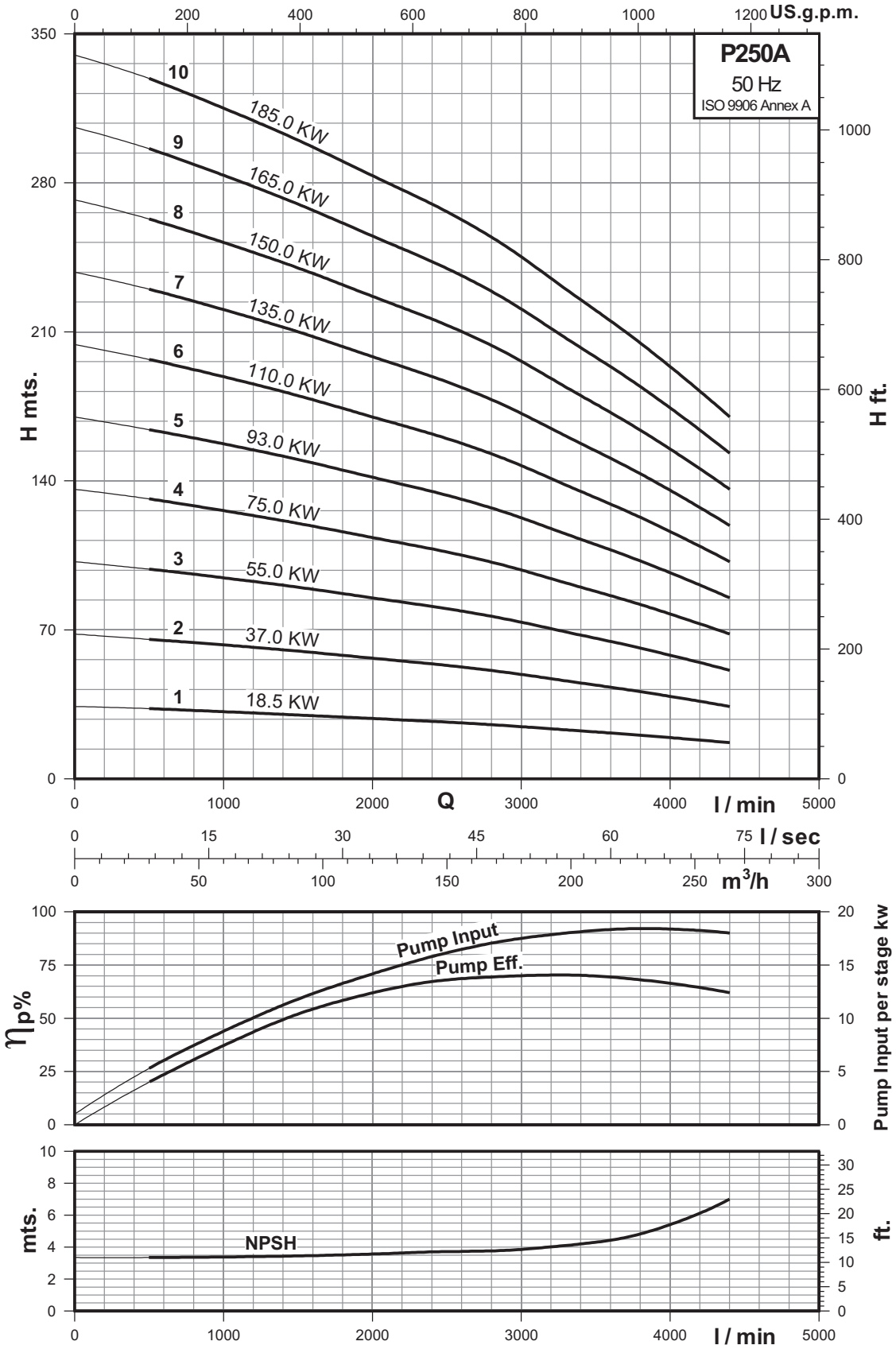
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10 INCH

Performance Curves

Mixed Flow 10" Electric Submersible Pump

P250A

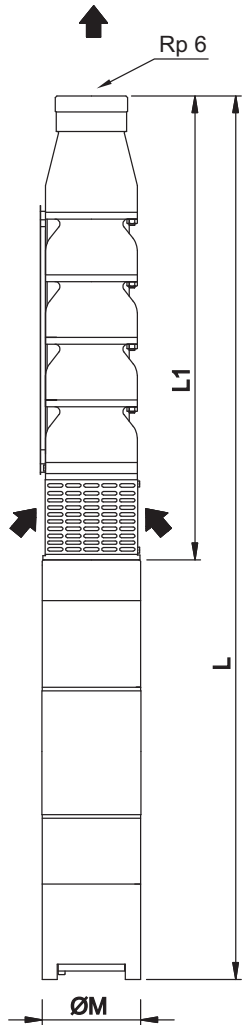


10 INCH

Technical Data

Mixed Flow 10" Electric Submersible Pump

P300A



Performance Chart

Pump Type	Motor Type	H.P.	KW	Q M ³ /h l/min	n = 2900 rpm						
					138.0	168.0	198.0	222.0	258.0	270.0	291.0
					2300	2800	3300	3700	4300	4500	4850
P300A/1	L6530-KP	30.0	22.0	H mts.	27	26	25	24	22	21	19
P300A/2	L8560-KH	60.0	45.0		54	52	50	48	44	42	38
P300A/3	L8590-H	90.0	66.0		81	78	75	72	66	63	57
P300A/4	L85125-H	125.0	93.0		108	104	100	96	88	84	76
P300A/5	L15150-D	150.0	110.0		135	130	125	120	110	105	95
P300A/6	L15180-D	180.0	135.0		162	156	150	144	132	126	114
P300A/7	L15225-D	225.0	165.0		189	182	175	168	154	147	133
P300A/8	L15250-D	250.0	185.0		216	208	200	192	176	168	152

Dimensions & Weights of Pump with Water filled Motor

Type Pump + Motor	ØM (mm)	ØE (mm)	Length (mm)			Net Weight (kg)			Packaging Details					
			L1	L		Pump	Pump+Motor		Gross Weight (kg)			Gross Volume (m ³)		
				1~	3~		1~	3~	Pump	Pump+Motor		Pump	Pump+Motor	
P300A/1 + L6530-KP	142	242	639	*	1722	51.0	*	137.0	74.0	*	179.0	0.1160	*	0.1714
P300A/2 + L8560-KH	190	242	799	*	2065	69.0	*	257.0	95.0	*	326.0	0.1360	*	0.3449
P300A/3 + L8590-H	190	242	959	*	2459	86.0	*	336.0	119.0	*	416.0	0.1560	*	0.4215
P300A/4 + L85125-H	190	242	1119	*	2839	104.0	*	385.0	148.0	*	485.0	0.1940	*	0.4772
P300A/5 + L15150-D	240	242	1279	*	2901	121.0	*	448.0	172.0	*	569.0	0.2140	*	0.5547
P300A/6 + L15180-D	240	242	1439	*	3121	139.0	*	483.0	195.0	*	614.0	0.2320	*	0.5914
P300A/7 + L15225-D	240	242	1599	*	3371	155.0	*	528.0	224.0	*	675.0	0.2720	*	0.6463
P300A/8 + L15250-D	240	242	1759	*	3581	173.0	*	560.0	247.0	*	719.0	0.2920	*	0.6886

ØE = For Single Cable Motor Maximum Diameter of Pump Inclusive of Cable Guard.

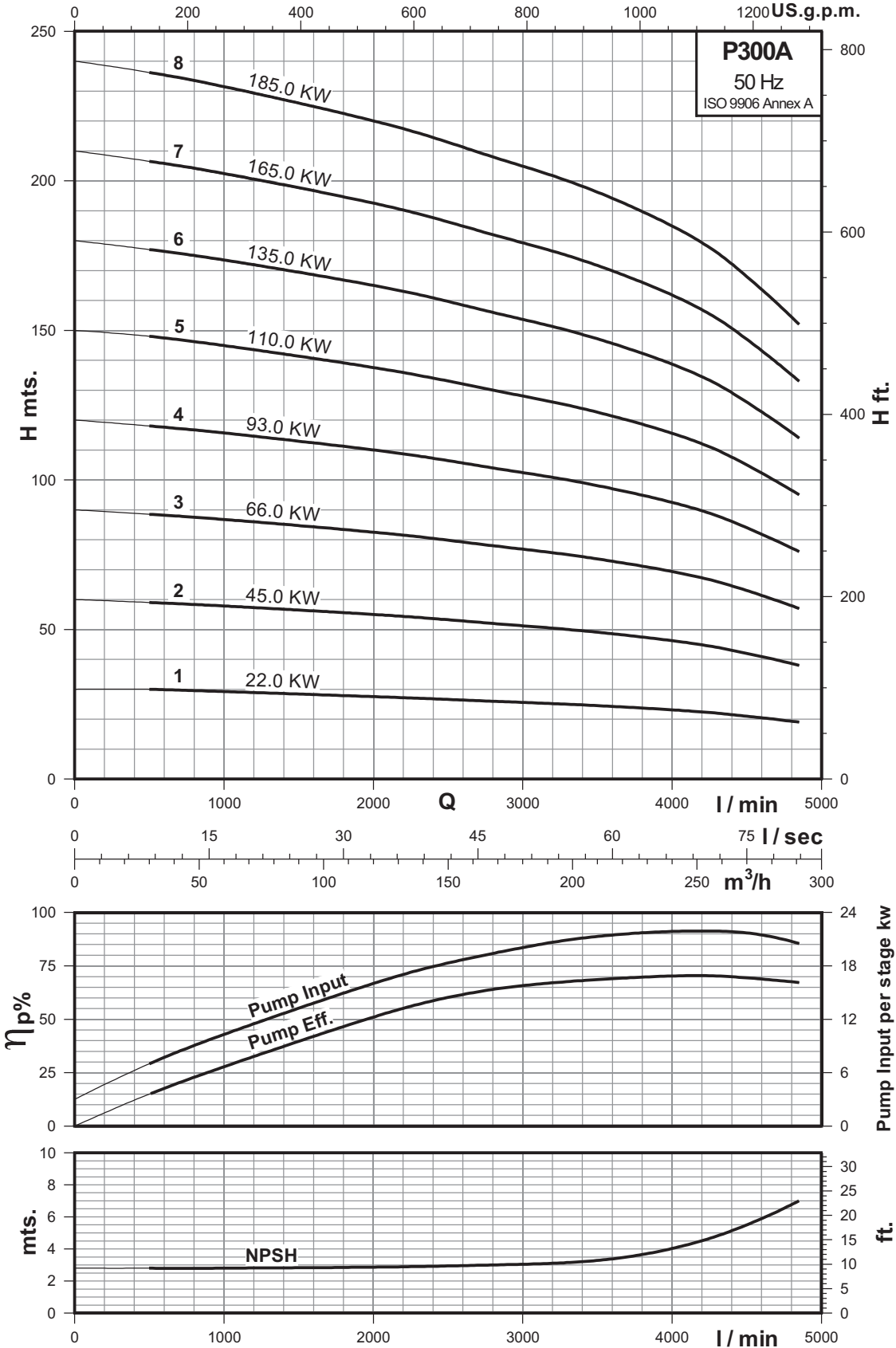
For Two Cable Motor Maximum Diameter of Pump Inclusive of Cable Guard Will Increase by 6mm.

10 INCH

Performance Curves

Mixed Flow 10" Electric Submersible Pump

P300A



10 INCH