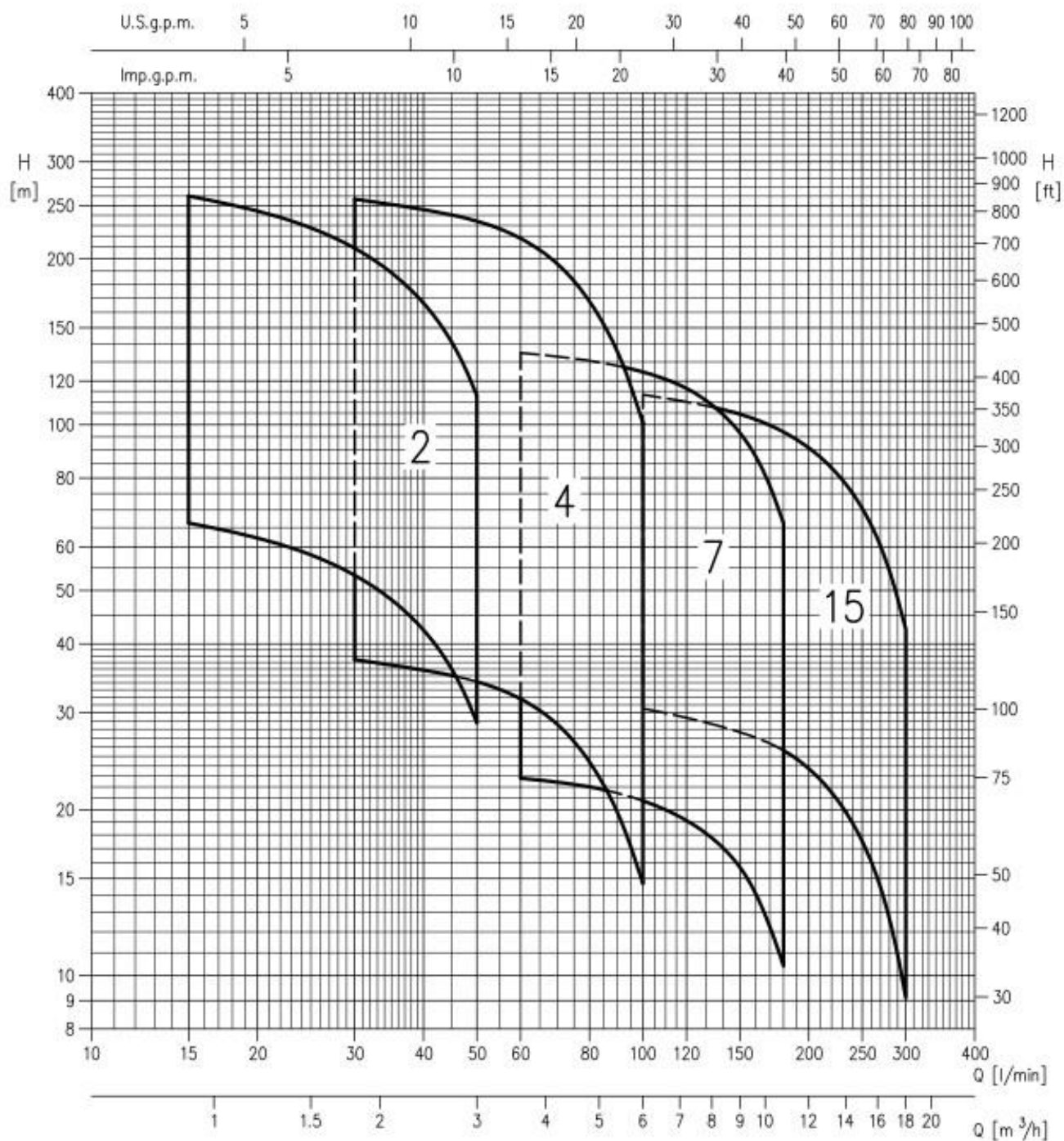


PUMPA		
Radna Tečnost	Vrsta tečnosti	Čista voda
	Temperatura [°C]	Maximum 30
	Udeo peska	Maximum : 50 čestica/1 milion
	Gustina hlora	Maximum : 500 čestica/1 milion
Konstrukcija	Radno kolo	Zatvoreno centrifugalno
	Ležaj	Tip rukavac – volfram karbid
Priključak za cev	Usis	N/A
	Potis	G1 1/4 (4VMS2) - G 1 1/2 (4VMS4) - G 2 (4VMS7-4VMS15)
Materijal	Radno kolo	EN 1.4301
	Srednje kućište	EN 1.4301
	Usisna rešetka	EN 1.4301
	Potis	EN 1.4301
	Vratilo	EN 1.4401
	Habajući prsten	EPDM / EN 1.4301
	Klapna	EN 1.4301
	"O" prsten	NBR
Primenjen standard ispitivanja		ISO 9906:2012 - 3B

MOTOR					
Tip		Potapajući napunjen uljem (tip OY)		Potapajući napunjen vodom (tip WY)	
		Sumoto		Franklin	
		Monofazni	Trofazni	Monofazni	Trofazni
Snaga	[kW]	0.55÷2.2	0.55÷5.5	0.55÷2.2	0.55÷5.5
	[HP]	0.75÷3.0	0.75÷7.5	0.75÷3.0	0.75÷7.5
Broj polova		2			
Brzina obrtanja		Odnosi se na svaku radnu karakteristiku brzina obrtanja kao nominalna brzina			
Klasa izolacije		F		B	
Klasa zaštite		IP 58		IP68	
Max temperatura okoline [°C]		35		30	
Max dubina potapanja [m]		150		350	
Broj uključenja / sat		30		20	
Start		Direktan start			
Frekvencija [Hz]		50 Hz			
Napon [V]		230 ±10%	380-415 ±10%	230 -10%+6%	380-415 -10%+6%
Startni i radni kondenzator		Ugrađen u komori za start	-	Ugrađen u komori za start	-
Zaštita od preopterećenja		Ugrađen u komori za start	Obezbeđuje korisnik	Ugrađen u komori za start	Obezbeđuje korisnik
Zaptivna tečnost		Tip ulja: na upit		50% rastvor propilen-glikol	
Nosač motora		Mesing		Mesing sa niklovanom pločom	
Materijal kućišta		EN 1.4301			
materijal		EPDM/Polietilen			
Napojni kabl	pop. presek [mm²]	4x1.5			
	dužina [m]	L=1.75 (do 2.2 kW) / L=2.5 (za 3 i 4 kW) / L=4 (za 5.5kW)			
Spajanje		NEMA standard			

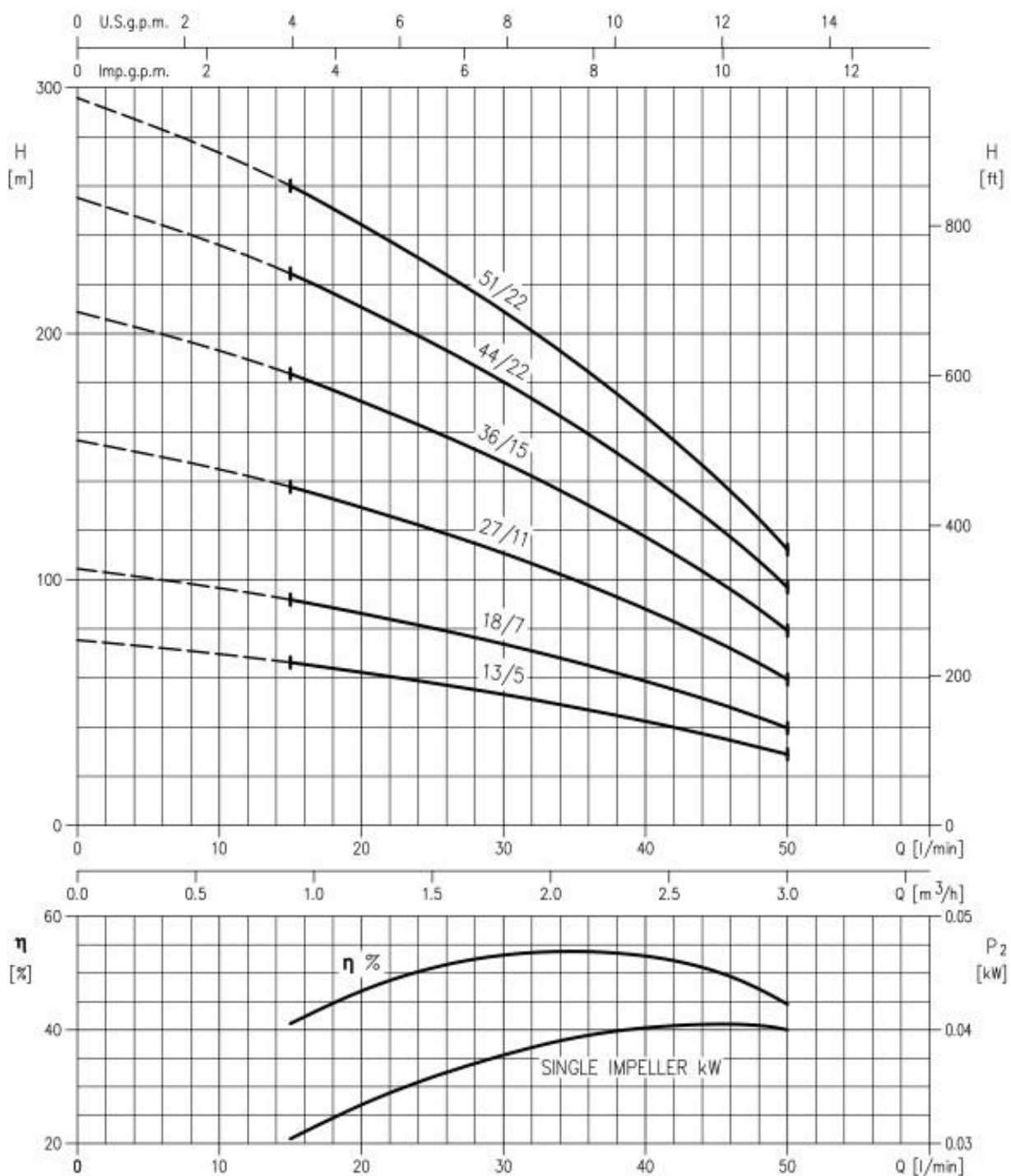
RADNI OPSEG



Tip pumpe		Snaga		Q=Kapacitet															
Monofazna	Trofazna	[kW]	[HP]	l/min.	0	15	20	30	40	50	60	80	100	120	150	180	220	260	300
				m3/h	0	0,9	1,2	1,8	2,4	3,0	3,6	4,8	6	7,2	9	10,8	13,2	15,6	18
				H=Ukupna visina dizanja u metrima															
4VMS2 13/5M	4VMS2 13/5	0,55	0.75	75,5	66,5	62,5	53,5	42,5	28,6	-	-	-	-	-	-	-	-	-	-
4VMS2 18/7M	4VMS2 18/7	0,75	1.0	104,0	92,0	86,0	74,0	58,5	39,6	-	-	-	-	-	-	-	-	-	-
4VMS2 27/11M	4VMS2 27/11	1,1	1.5	157,0	138,0	129,0	111,0	88,0	59,5	-	-	-	-	-	-	-	-	-	-
4VMS2 36/15M	4VMS2 36/15	1,5	2.0	209,0	184,0	172,0	148,0	117,0	79,0	-	-	-	-	-	-	-	-	-	-
4VMS2 44/22M	4VMS2 44/22	2,2	3.0	255,0	224,0	211,0	180,0	143,0	97,0	-	-	-	-	-	-	-	-	-	-
4VMS2 51/22M	4VMS2 51/22	2,2	3.0	296,0	260,0	244,0	209,0	166,0	112,0	-	-	-	-	-	-	-	-	-	-
4VMS4 7/5M	4VMS4 7/5	0,55	0.75	43,0	-	-	37,5	35,8	34,2	31,8	24,4	14,7	-	-	-	-	-	-	-
4VMS4 10/7M	4VMS4 10/7	0,75	1.0	61,5	-	-	53,5	51,0	49,0	45,5	34,9	21,0	-	-	-	-	-	-	-
4VMS4 15/11M	4VMS4 15/11	1,1	1.5	92,5	-	-	80,5	77,0	73,0	68,0	52,5	31,5	-	-	-	-	-	-	-
4VMS4 20/15M	4VMS4 20/15	1,5	2.0	123,0	-	-	107,0	102,0	97,5	91,0	70,0	42,0	-	-	-	-	-	-	-
4VMS4 24/22M	4VMS4 24/22	2,2	3.0	148,0	-	-	128,0	123,0	117,0	109,0	84,0	50,5	-	-	-	-	-	-	-
4VMS4 29/22M	4VMS4 29/22	2,2	3.0	178,0	-	-	155,0	148,0	142,0	132,0	101,0	61,0	-	-	-	-	-	-	-
/	4VMS4 36/30	3.0	4.0	221,0	-	-	193,0	184,0	176,0	163,0	126,0	75,5	-	-	-	-	-	-	-
/	4VMS4 48/40	4.0	5.5	295,0	-	-	257,0	246,0	234,0	218,0	168,0	101,0	-	-	-	-	-	-	-
4VMS7 4/7M	4VMS7 4/7	0,75	1.0	24,6	-	-	-	-	-	22,8	22,0	20,8	19,1	15,7	10,4	-	-	-	-
4VMS7 7/11M	4VMS7 7/11	1,1	1.5	43,0	-	-	-	-	-	39,9	38,5	36,3	33,5	27,5	18,2	-	-	-	-
4VMS7 10/15M	4VMS7 10/15	1,5	2.0	61,5	-	-	-	-	-	57,0	55,0	52,0	48,0	39,3	26,0	-	-	-	-
4VMS7 12/22M	4VMS7 12/22	2,2	3.0	74,0	-	-	-	-	-	68,5	66,0	62,5	57,5	47,0	31,3	-	-	-	-
4VMS7 14/22M	4VMS7 14/22	2,2	3.0	86,0	-	-	-	-	-	80,0	77,0	72,5	67,0	55,0	36,5	-	-	-	-
/	4VMS7 18/30	3.0	4.0	113,0	-	-	-	-	-	106,0	102,0	97,5	91,0	75,5	52,0	-	-	-	-
/	4VMS7 23/40	4.0	5.5	144,0	-	-	-	-	-	135,0	131,0	125,0	116,0	96,5	66,0	-	-	-	-
*4VMS15 7/15M	*4VMS15 7/15	1,5	2.0	38,5	-	-	-	-	-	-	-	30,5	29,3	27,7	25,6	21,5	16,0	9,1	
*4VMS15 10/22M	*4VMS15 10/22	2,2	3.0	55,0	-	-	-	-	-	-	-	43,5	42,0	39,5	36,6	30,7	22,9	13,0	
/	*4VMS15 13/30	3.0	4.0	71,5	-	-	-	-	-	-	-	59,0	57,5	54,5	50,5	43,5	34,1	22,1	
/	*4VMS15 17/40	4.0	5.5	93,5	-	-	-	-	-	-	-	77,0	75,0	71,0	66,0	57,0	44,5	28,9	
/	*4VMS15 25/55	5,5	7.5	138,0	-	-	-	-	-	-	-	114,0	110,0	105,0	97,0	83,5	65,5	42,5	

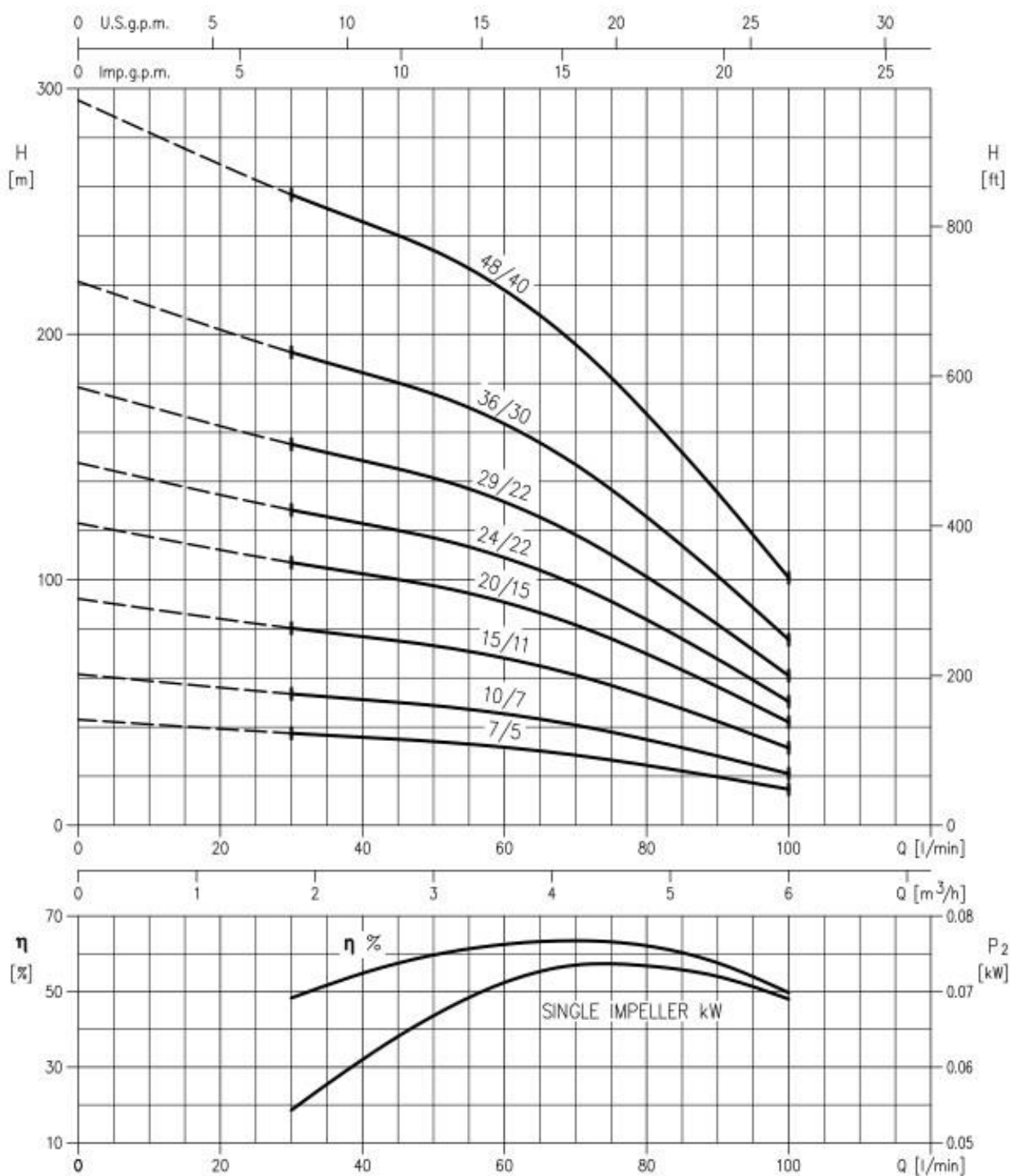
* proizvod nije dostupan za evropsko tržište

4VMS2 - MEI > 0.70 – Diametar radnog kola = 70.5 mm



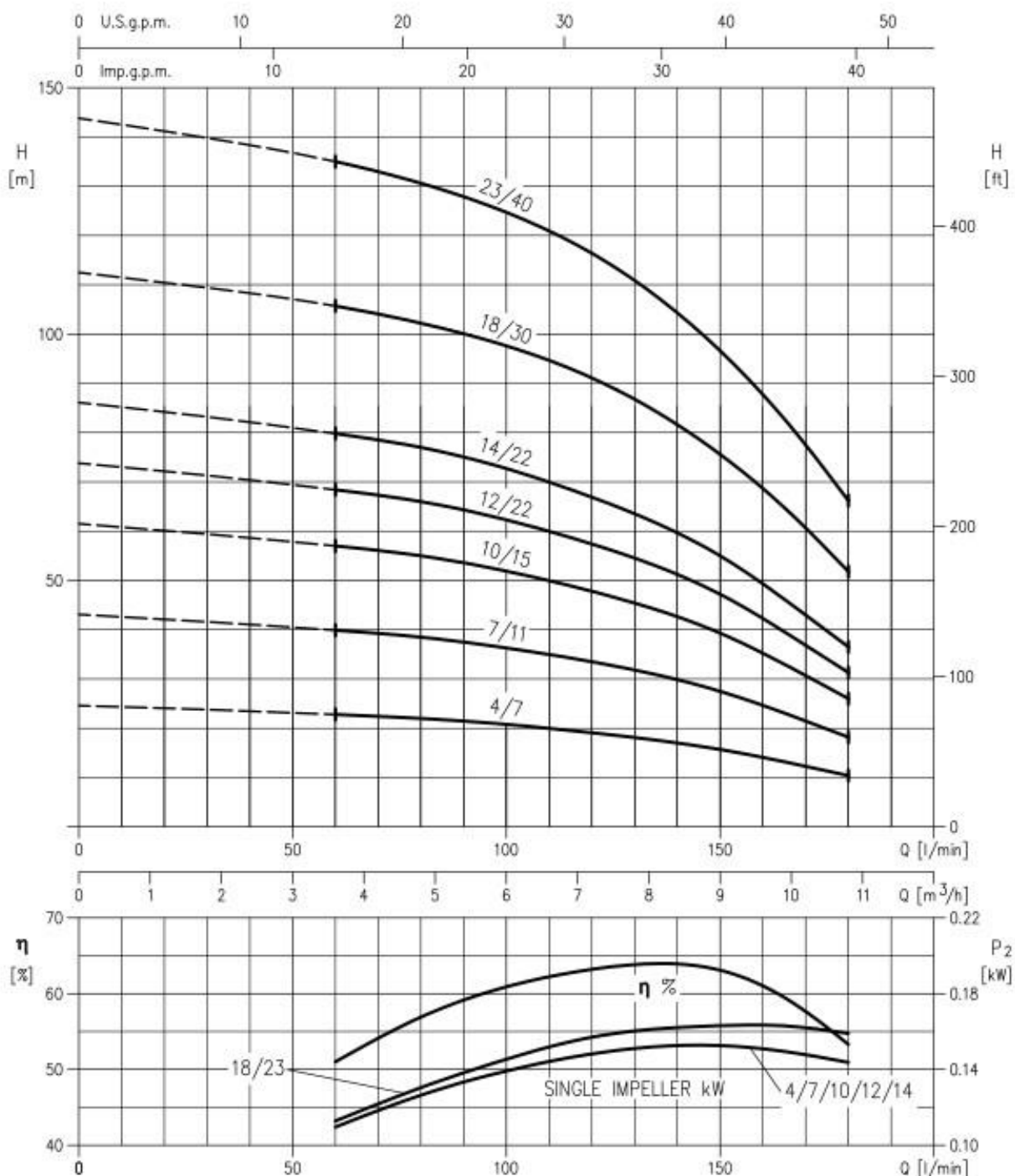
Brzina obrtanja ≈ 2850 min⁻¹
Ispitano po standardu: ISO 9906:2012 - 3B

4VMS4 - MEI > 0.70- Diametar radnog kola = 72 mm



Brzina obrtanja $\approx 2850 \text{ min}^{-1}$
 Ispitano po standardu: ISO 9906:2012 - 3B

4VMS7 - MEI > 0.50- Diametar radnog kola = 74 mm



Brzina obrtanja ≈ 2850 min⁻¹
Ispitano po standardu: ISO 9906:2012 - 3B

UZDUŽNI PRESEK

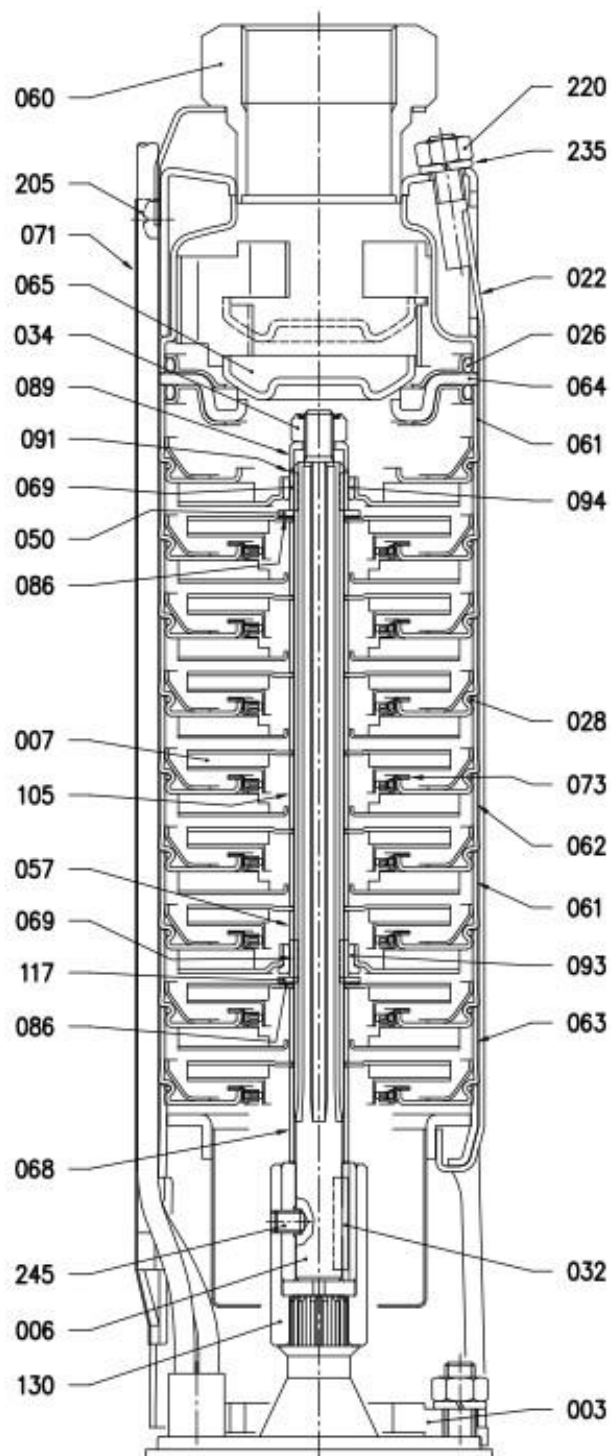


TABELA DELOVA U PRESEKU

N°	NAZIV DELA	MATERIJAL	DIMENZIJE	KOL.
003	Nosač	EN 1.4301		1
006	Vratilo	EN 1.4401		1
007	Radno kolo	EN 1.4301		[*]
022	Traka	EN 1.4301		4
026	"O" prsten	NBR	3 x 74.5	2
028	"O" prsten	NBR	1.85 x 78.4	[*]
032	Klin	EN 1.4401	A 4 x 4 x 25 DIN 6885 A	1
034	Osigurač-navrtka radnog kola	EN 1.4301	M8	1
050	Podloška	EN 1.4301		[*]
057	Distancer ležaja	EN 1.4301		[*]
060	Potis	EN 1.4301		1
061	Kućište srednjeg ležaja	EN 1.4301		[*]
062	Srednje kućište	EN 1.4301		[*]
063	Usis	EN 1.4301		1
064	Sedište ventila	EN 1.4301 + NBR		1
065	Ventil	EN 1.4301		1
068	Distancer	EN 1.4301		1
069	Rukavac vratila	Volfram karbid		[*]
071	Zaštita kabla	EN 1.4301		1
073	Prsten sa oblogom	EN 1.4301 + EPDM		[*]
086	Distancer	EN 1.4301		[*]
089	Podloška	EN 1.4301		1
091	Distancer	EN 1.4301		[*]
093	Aksijalni ležaj	Volfram karbid		1
094	Radijalni ležaj	Volfram karbid		[*]
105	Distancer	EN 1.4301		[*]
117	Habajući prsten	Volfram karbid		1
130	Spojница	EN 1.4301		1
205	Vijak	EN 1.4301	M5 x 6 DIN 7985	2
220	Navrtka	EN 1.4301	M8 DIN 934	4
235	Podloška	EN 1.4301	8,4 DIN 125 B	4
245	Komplet vijaka	EN 1.4301	M6 x 8 DIN 913	1

[*] Pogledati tabelu str. 302

KOLIČINA ZA MODEL

Tip pumpe	Količina za model											
	N° 007	N° 028	N° 050	N° 057	N° 061	N° 062	N° 069	N° 073	N° 086	N° 091	N° 094	N° 105
4VMS2 13	13	14	/	0	1	12	1	13	1	1	0	12
4VMS2 18	18	19	1	1	2	16	2	18	2	1	1	16
4VMS2 27	27	28	1	1	2	25	2	27	2	1	1	25
4VMS2 36	36	37	2	2	3	33	3	36	3	1	2	33
4VMS2 44	44	45	3	3	4	40	4	44	4	1	3	40
4VMS2 51	51	52	3	3	4	47	4	51	4	1	3	47
4VMS4 7	7	8	/	0	1	6	1	7	1	1	0	6
4VMS4 10	10	11	/	0	1	9	1	10	1	1	0	9
4VMS4 15	15	16	/	0	1	14	1	15	1	1	0	14
4VMS4 20	20	21	1	1	2	18	2	20	2	1	1	18
4VMS4 24	24	25	1	1	2	22	2	24	2	1	1	22
4VMS4 29	29	30	2	2	3	26	3	29	3	1	2	26
4VMS4 36	36	37	2	2	3	33	3	36	3	1	2	33
4VMS4 48	48	49	3	3	4	44	4	48	4	1	3	44
4VMS7 4	4	5	/	0	1	4	1	4	/	/	0	3
4VMS7 7	7	8	/	0	1	6	1	7	/	/	0	6
4VMS7 10	10	11	/	0	1	9	1	10	/	/	0	9
4VMS7 12	12	13	1	1	2	10	2	12	/	/	1	10
4VMS7 14	14	15	1	1	2	12	2	14	/	/	1	12
4VMS7 18	18	19	1	1	2	16	2	18	/	/	1	16
4VMS7 23	23	24	2	2	3	20	3	23	/	/	2	20
4VMS15 7	7	8	/	0	1	6	1	7	/	/	0	6
4VMS15 10	10	11	1	1	2	8	2	10	/	/	1	8
4VMS15 13	13	14	1	1	2	11	2	13	/	/	1	11
4VMS15 17	17	18	2	2	3	14	3	17	/	/	2	14
4VMS15 25	25	26	3	3	4	21	4	25	/	/	3	21

SREDNJE KUĆIŠTE SA POZICIJOM LEŽAJA

Tip pumpe	N° radnih kola	Srednje kućište sa ležajem					
		Količina za model		Pozicija *			
		aksijalni	radijalni				
4VMS2 13	13	1	/				14.
4VMS2 18	18	1	1	5.			19.
4VMS2 27	27	1	1	5.			28.
4VMS2 36	36	1	2	5.	20.		37.
4VMS2 44	44	1	3	5.	20.	35.	45.
4VMS2 51	51	1	3	5.	20.	35.	52.
4VMS4 7	7	1	/				8.
4VMS4 10	10	1	/				11.
4VMS4 15	15	1	/				16.
4VMS4 20	20	1	1	5.			21.
4VMS4 24	24	1	1	5.			25.
4VMS4 29	29	1	2	5.	20.		30.
4VMS4 36	36	1	2	5.	20.		37.
4VMS4 48	48	1	3	5.	20.	35.	49.
4VMS7 4	4	1	/				5.
4VMS7 7	7	1	/				8.
4VMS7 10	10	1	/				11.
4VMS7 12	12	1	1	4.			13.
4VMS7 14	14	1	1	4.			15.
4VMS7 18	18	1	1	4.			19.
4VMS7 23	23	1	2	4.	16.		24.
4VMS15 7	7	1	/				8.
4VMS15 10	10	1	1	3.			11.
4VMS15 13	13	1	1	3.			14.
4VMS15 17	17	1	2	3.	12.		18.
4VMS15 25	25	1	3	3.	12.	21.	26.

* prva usisna rešetka je korišćena za referentni položaj ležaja

 aksijalni ležaj

SKICA PUMPE

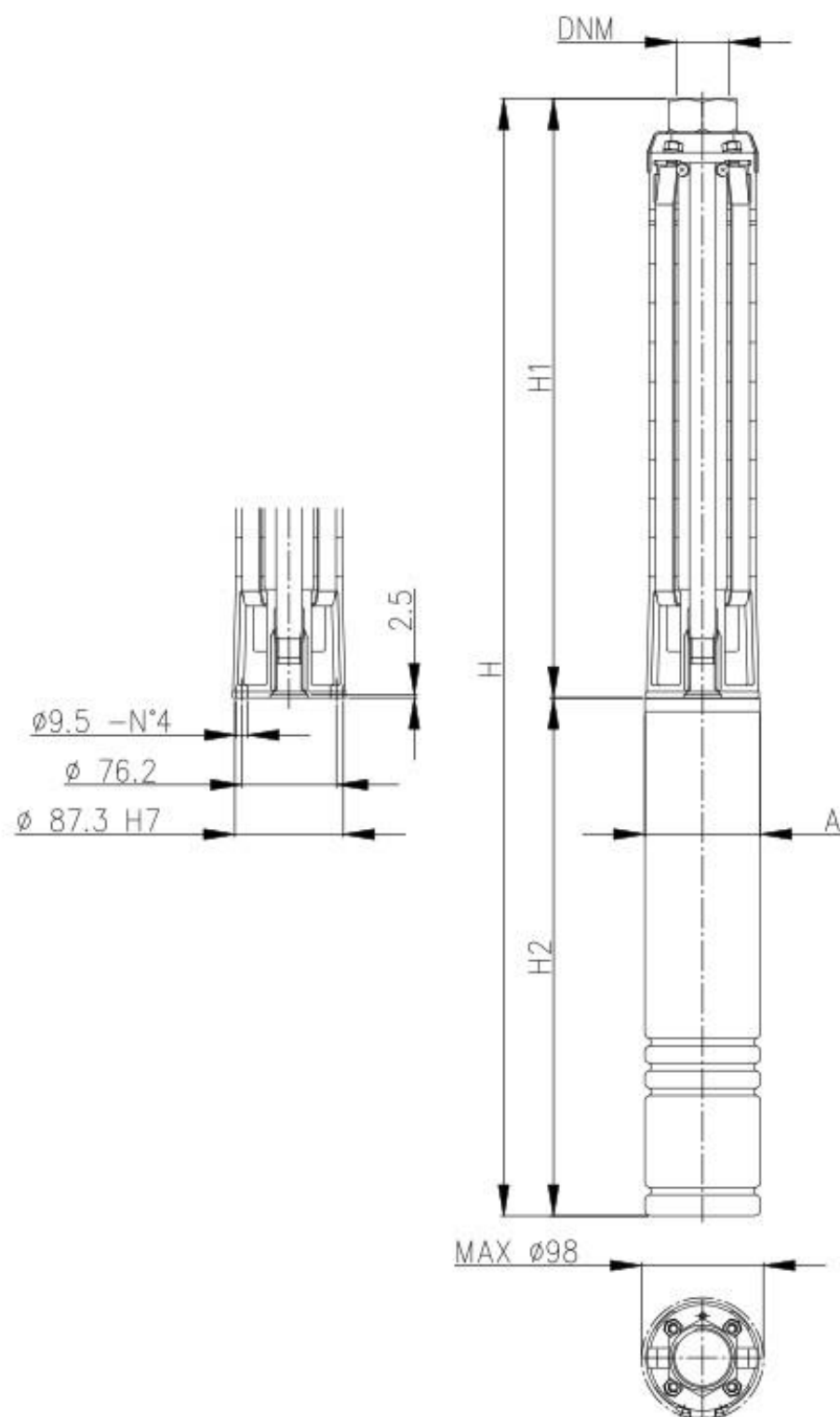


TABELA DIMENZIJA PUMPI

Tip pumpe	Snaga		Pumpa bez motora		Pumpa sa motorom sa uljem						Pumpa sa motorom sa vodom					
	[kW]	[HP]	DNM	H1 [mm]	monofazna			trofazna			monofazna			trofazna		
					A [mm]	H2 [mm]	H [mm]	A [mm]	H2 [mm]	H [mm]	A [mm]	H2 [mm]	H [mm]	A [mm]	H2 [mm]	H [mm]
4VMS2 13/5	0.55	0.75	G 1 1/4	489	97	325	814	97	325	814	91	248	737.2	91	228	717.2
4VMS2 18/7	0.75	1.0	G 1 1/4	594	97	350	944	97	325	919	91	283	876.6	91	248	842.2
4VMS2 27/11	1.1	1.5	G 1 1/4	783	97	385	1168	97	350	1133	91	339	1121.6	91	283	1065.6
4VMS2 36/15	1.5	2.0	G 1 1/4	972	97	420	1392	97	385	1357	91	350	1321.6	91	307	1278.6
4VMS2 44/22	2.2	3.0	G 1 1/4	1140	97	470	1610	97	420	1560	91	437	1576.6	91	339	1478.6
4VMS2 51/22	2.2	3.0	G 1 1/4	1287	97	470	1757	97	420	1707	91	437	1723.6	91	339	1625.6
4VMS4 7/5	0.55	0.75	G 1 1/2	368	97	325	693	97	325	693	91	248	616.2	91	228	596.2
4VMS4 10/7	0.75	1.0	G 1 1/2	431	97	350	781	97	325	756	91	283	713.6	91	248	679.2
4VMS4 15/11	1.1	1.5	G 1 1/2	536	97	385	921	97	350	886	91	339	874.6	91	283	818.6
4VMS4 20/15	1.5	2.0	G 1 1/2	641	97	420	1061	97	385	1026	91	350	990.6	91	307	947.6
4VMS4 24/22	2.2	3.0	G 1 1/2	725	97	470	1195	97	420	1145	91	437	1161.6	91	339	1063.6
4VMS4 29/22	2.2	3.0	G 1 1/2	830	97	470	1300	97	420	1250	91	437	1266.6	91	339	1168.6
4VMS4 36/30	3.0	4.0	G 1 1/2	977	/	/	/	97	544	1521	/	/	/	91	394	1370.6
4VMS4 48/40	4.0	5.5	G 1 1/2	1229	/	/	/	97	574	1803	/	/	/	91	543	1772.2
4VMS7 4/7	0.75	1.0	G 2	373	97	350	723	97	325	698	91	283	655.6	91	248	621.2
4VMS7 7/11	1.1	1.5	G 2	468	97	385	853	97	350	818	91	339	806.6	91	283	750.6
4VMS7 10/15	1.5	2.0	G 2	562	97	420	982	97	385	947	91	350	911.6	91	307	868.6
4VMS7 12/22	2.2	3.0	G 2	625	97	470	1095	97	420	1045	91	437	1061.6	91	339	963.6
4VMS7 14/22	2.2	3.0	G 2	688	97	470	1158	97	420	1108	91	437	1124.6	91	339	1026.6
4VMS7 18/30	3.0	4.0	G 2	814	/	/	/	97	544	1358	/	/	/	91	394	1207.6
4VMS7 23/40	4.0	5.5	G 2	972	/	/	/	97	574	1546	/	/	/	91	543	1515.2
4VMS15 7/15	1.5	2.0	G 2	552	97	420	972	97	385	937	91	350	901.6	91	307	858.6
4VMS15 10/22	2.2	3.0	G 2	678	97	470	1148	97	420	1098	91	437	1114.6	91	339	1016.6
4VMS15 13/30	3.0	4.0	G 2	804	/	/	/	97	544	1348	/	/	/	91	394	1197.6
4VMS15 17/40	4.0	5.5	G 2	972	/	/	/	97	574	1546	/	/	/	91	543	1515.2
4VMS15 25/55	5.5	7.5	G 2	1308	/	/	/	97	644	1952	/	/	/	91	653	1960.5

KARAKTERISTIKE MOTORA

MOTOR SA ULJEM

Snaga		Obrtni mom. [N]	Monofazni 230 V				Trofazni 380 V				Trofazni 415 V			
[kW]	[HP]		Snaga [kW]	IN [A]	IA [A]	Faktor snage	Snaga [kW]	IN [A]	IA [A]	Faktor snage	Snaga [kW]	IN [A]	IA [A]	Faktor snage
0,55	0,75	1500	0,97	4,5	13,6	0,94	0,94	1,9	7,0	0,75	1,08	2,0	7,0	0,75
0,75	1	1500	1,32	6,0	18,5	0,96	1,17	2,4	10,0	0,74	1,38	2,6	10,0	0,74
1,1	1,5	1500	1,83	8,2	26,0	0,97	1,56	3,2	14,0	0,74	1,81	3,4	14,0	0,74
1,5	2	1500	2,48	11,0	34,0	0,98	2,09	4,4	17,0	0,72	2,38	4,6	17,0	0,72
2,2	3	4400	3,27	14,8	48,0	0,96	-	-	-	-	-	-	-	-
2,2	3	1500	-	-	-	-	3,00	6	24,0	0,76	3,39	6,2	24,0	0,76
2,2	3	5000	-	-	-	-	3,02	5,6	23,0	0,82	3,42	5,8	23,0	0,82
3	4	5000	-	-	-	-	4,05	7,7	30,0	0,80	4,49	7,8	30,0	0,80
4	5,5	5000	-	-	-	-	5,24	9,7	45,0	0,82	5,78	9,8	45,0	0,82
5,5	7,5	5000	-	-	-	-	7,37	13,5	55,0	0,83	8,23	13,8	55,0	0,83

MOTOR SA VODOM

Snaga		Obrtni mom. [N]	Monofazni 230 V				Trofazni 380 V				Trofazni 415 V			
[kW]	[HP]		Snaga [kW]	IN [A]	IA [A]	Faktor snage	Snaga [kW]	IN [A]	IA [A]	Faktor snage	Snaga [kW]	IN [A]	IA [A]	Faktor snage
0,55	0,75	3000	0,93	4,3	17,7	0,94	0,83	1,6	7	0,79	0,86	1,7	7,7	0,7
0,75	1	3000	1,28	5,7	22,7	0,98	1,07	2,0	10,1	0,81	1,10	2,1	10,9	0,73
1,1	1,5	3000	1,78	8,4	33,9	0,92	1,51	2,8	15,3	0,82	1,54	2,9	16,7	0,74
1,5	2	3000	2,34	10,7	41,7	0,95	2,13	3,9	19,7	0,83	2,10	4	21,5	0,73
2,2	3	4000	3,28	14,7	61,8	0,97	2,91	5,4	28,3	0,82	3,00	5,8	30,9	0,72
3	4	4000	-	-	-	-	3,99	7,4	39,9	0,82	4,09	7,9	43,6	0,72
4	5,5	6500	-	-	-	-	5,24	9,7	54,1	0,82	5,38	10,4	59,1	0,72
5,5	7,5	6500	-	-	-	-	7,05	12,6	73,3	0,85	7,08	12,8	80,1	0,77

IZBOR KABLA KOD MOTORA SA ULJEM

PRIMER : MOTOR 0.75 kW 230 V DUŽINA KABLA 75 m - 4x2,5 mm²

Monofazni 230 V

SNAGA		TIP KABLA I MAKSIMALNA DUŽINA (*)							
[kW]	[HP]	4x1	4x1,5	4x2	4x2,5	4x4	4x6	4x10	4x16
0.55	0.75	38	57	76	95	152	-	-	-
0.75	1	30	45	60	75	120	174	-	-
1.1	1.5	22	33	43	53	85	127	210	-
1.5	2	-	23	31	38	63	92	154	246
2.2	3	-	-	22	28	45	67	112	180

Trofazni 380-415 V

SNAGA		TIP KABLA I MAKSIMALNA DUŽINA (*)							
[kW]	[HP]	4x1	4x1,5	4x2	4x2,5	4x4	4x6	4x10	4x16
0.55	0.75	164	246	328	-	-	-	-	-
0.75	1	133	200	266	333	-	-	-	-
1.1	1.5	97	146	195	244	390	-	-	-
1.5	2	72	109	145	180	290	435	-	-
2.2	3	51	78	103	130	207	310	516	-
3	4	41	62	83	104	167	250	416	-
4	5.5	31	46	62	77	124	186	310	496
5.5	7.5	-	33	45	56	90	135	225	360

(*) Maksimalna dužina kabla pri padu napona od 3% na temperaturi okoline od 30°C.

Ukoliko se radni napon instalacije U_i razlikuje od nominalnog napona U_n , moguće je izračunati maksimalnu dozvoljenu dužinu kabla L_{max} , pomoću date tabele L_{tab} i sledeće formule:

$$L_{max} = L_{tab} (U_i / U_n)^2$$

IZBOR KABLA KOD MOTORA SA VODOM

PRIMER : MOTOR 0.75 kW 230 V DUŽINA KABLA 73 m - 4x2,5 mm²

Monofazni 230 V

SNAGA		TIP KABLA I MAKSIMALNA DUŽINA (*)							
[kW]	[HP]	4x1	4x1,5	4x2	4x2,5	4x4	4x6	4x10	4x16
0.55	0.75	39	58	77	97	155	-	-	-
0.75	1	29	44	58	73	117	175	-	-
1.1	1.5	20	30	40	50	79	119	198	-
1.5	2	-	23	31	39	62	93	156	249
2.2	3	-	-	23	28	45	68	113	181

Trofazni 380-415 V

SNAGA		TIP KABLA I MAKSIMALNA DUŽINA (*)							
[kW]	[HP]	4x1	4x1,5	4x2	4x2,5	4x4	4x6	4x10	4x16
0.55	0.75	223	335	446	-	-	-	-	-
0.75	1	167	251	335	418	-	-	-	-
1.1	1.5	120	179	239	299	478	-	-	-
1.5	2	86	129	172	215	343	515	-	-
2.2	3	61	91	122	152	243	365	609	-
3	4	45	67	89	112	179	268	446	-
4	5.5	34	51	68	85	135	203	338	541
5.5	7.5	-	40	53	66	106	159	266	425

(*) Maksimalna dužina kabla pri padu napona od 3% na temperaturi okoline od 30°C.

Ukoliko se radni napon instalacije U_i razlikuje od nominalnog napona U_n , moguće je izračunati maksimalnu dozvoljenu dužinu kabla L_{max} , pomoću date tabele L_{tab} i sledeće formule:

$$L_{max} = L_{tab} (U_i / U_n)^2$$

6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316



Borehole pumps for deep wells, 6", in AISI 304 (6BHE) and AISI 316 (6BHEL).

APPLICATIONS

- Water supply from deep wells
- Water distribution and pressurisation
- Irrigation systems
- Water treatment, filtering and reverse osmosis
- Industrial cooling systems
- Fountains and fire systems

TECHNICAL FEATURES

- Highly corrosion resistant
- Reliable
- Compact
- Can also operate horizontally

PUMP TECHNICAL DATA

- Maximum operating pressure: 7 bar
 - Maximum immersion:
 - 350 m (with motor in water bath)
 - 150 m (with motor in oil bath)
 - Maximum amount of sand: 100 gr/m³
 - Fluid temperature: -5°C to +60°C
 - Adapter kit for mounting to 4" motors
 - Delivery connection: Rp 2"½ 6BHE(L) 13-20, Rp 3" 6BHE(L) 32-48-64
 - MEI > 0.4 for all models except for 6BHE(L) 13
- For further information, refer to our Data Book on www.ebara.eu.
- Models 6BHE(L) 13 are currently not conforming with the EuP Directive. Available only for countries outside the EU or for assembly to fire kits/units

The pump and motor are supplied separately.

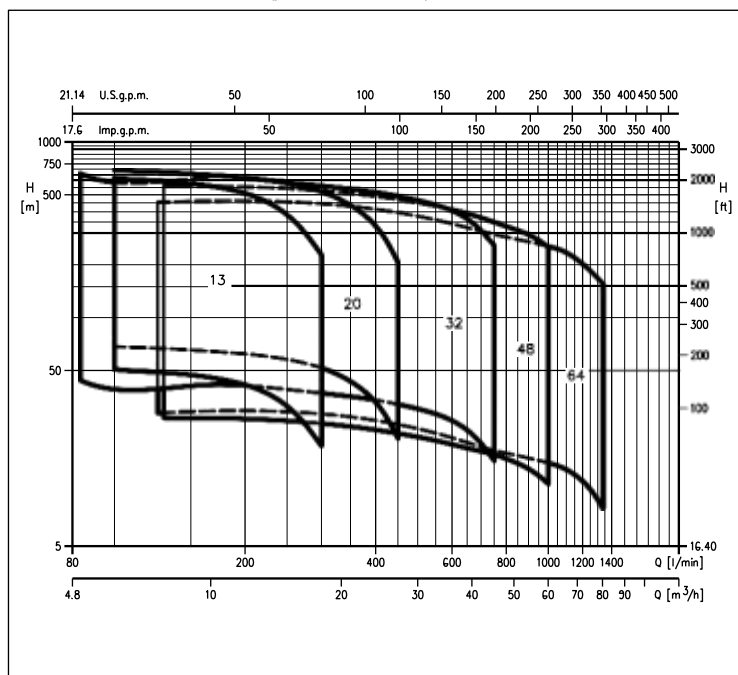
MOTOR TECHNICAL DATA

- 2 pole motor in oil bath (OY), in water bath (WY)
- Protection degree: IP58 (OY), IP68 (WY)
- Insulation class:
 - F (4"-6" version OY)
 - (6"-8" version WY)
 - B (4" version WY)
- Three phase voltage 380-415V (±10%) 50 Hz (OY), three phase voltage 380-415V (-10%+6%) 50 Hz (WY)
- For dimensioning the cables, see page 54 or refer to our Data Book on www.ebara.eu

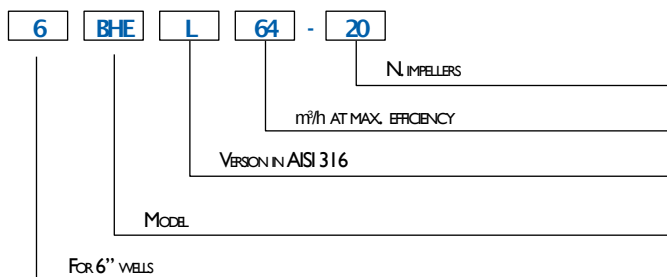
MATERIALS

- Delivery port, impeller, stages, mount and diffuser in AISI 304 (6BHE) and AISI 316 (6BHEL)
- Shaft in AISI 431 (6BHE) and AISI 316+AISI 329 (6BHEL)

PERFORMANCE RANGE (per ISO 9906 Annex A)



IDENTIFICATION CODE



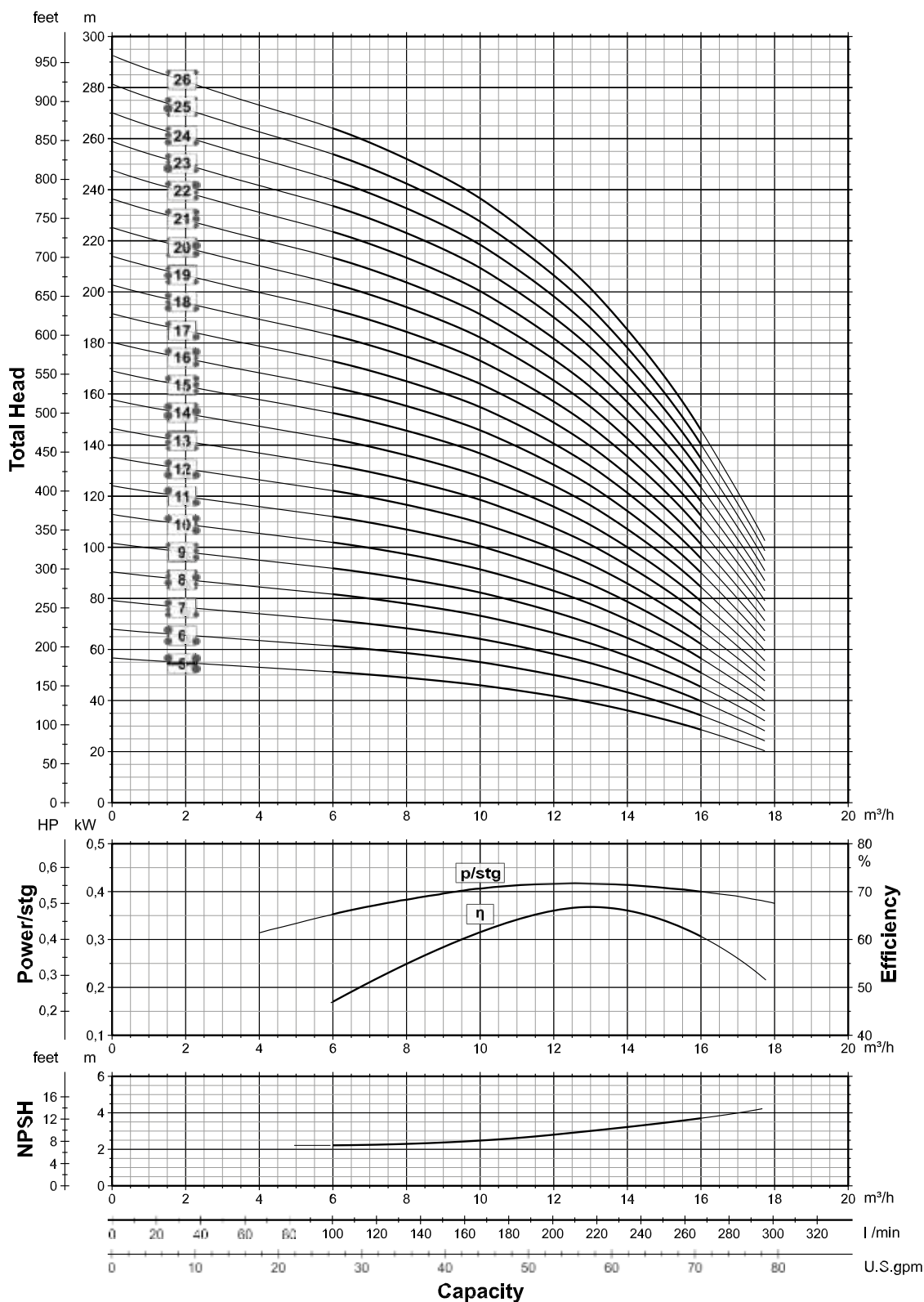
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 13

(per ISO 9906 Annex A)



Models currently not conforming with the EuP Directive. Available only for countries outside the EU or for assembly to fire kits/units

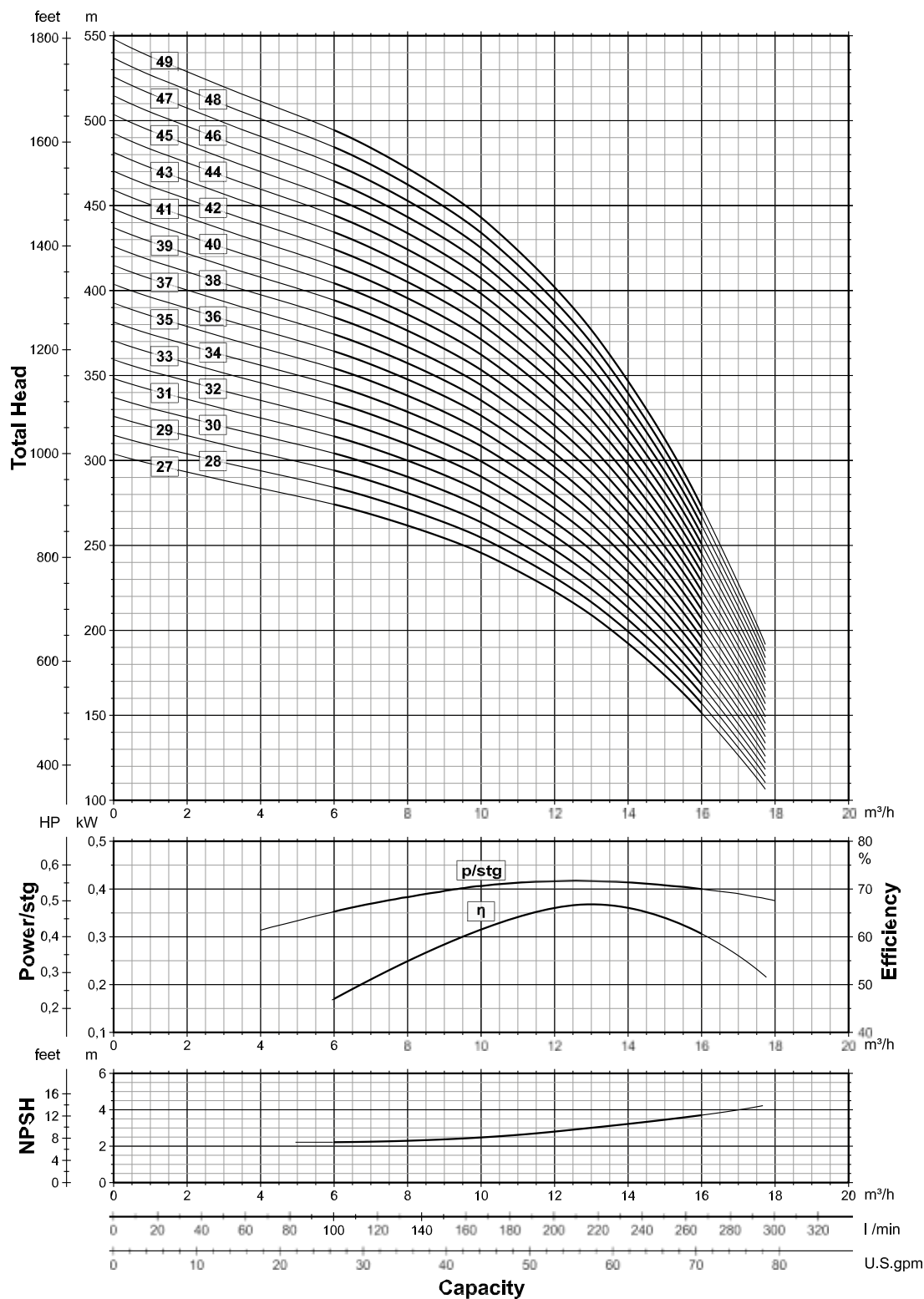
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 13

(per ISO 9906 Annex A)



Models currently not conforming with the EuP Directive. Available only for countries outside the EU or for assembly to fire kits/units

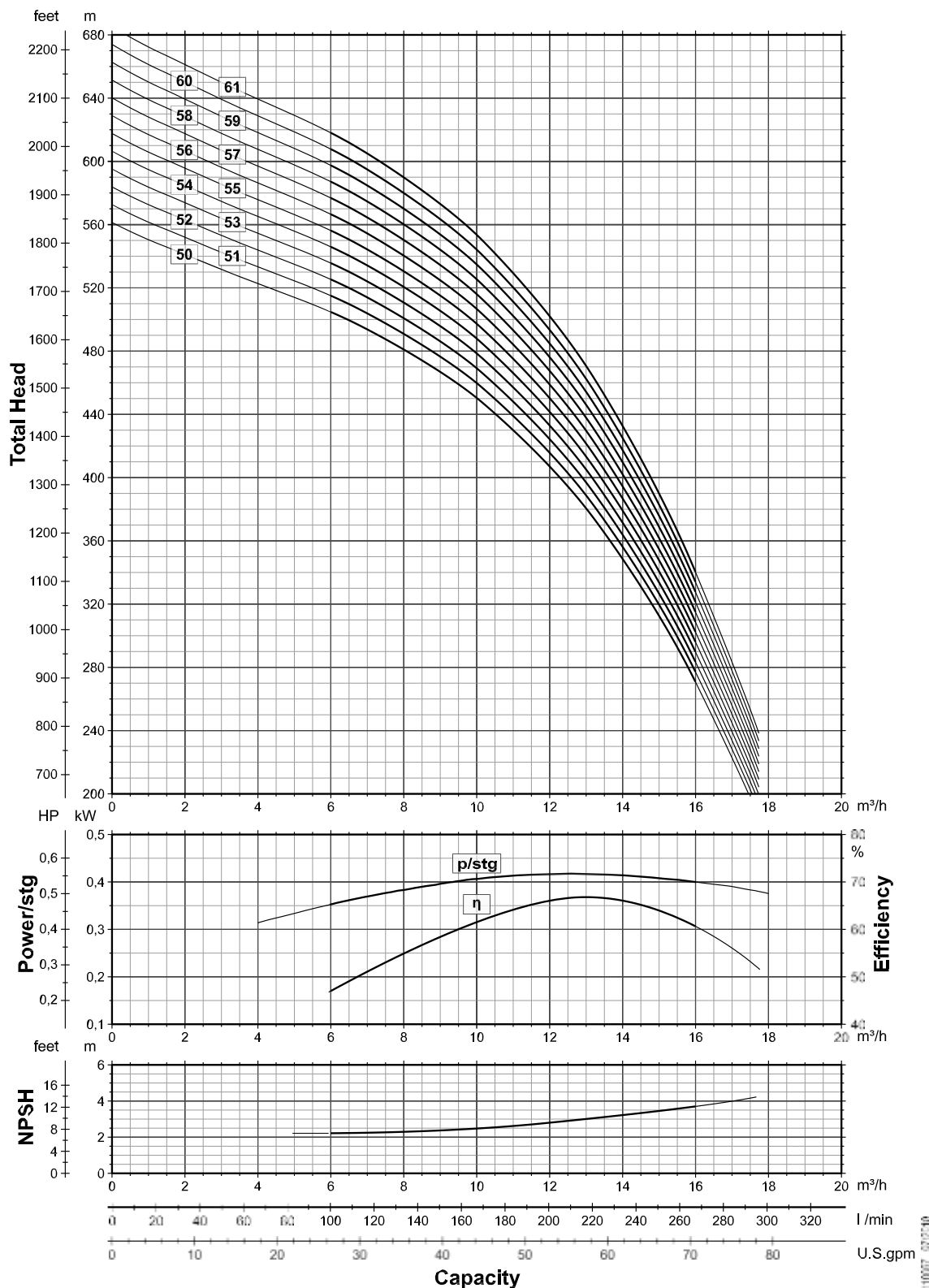
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 13

(per ISO 9906 Annex A)



Models currently not conforming with the EuP Directive. Available only for countries outside the EU or for assembly to fire kits/units

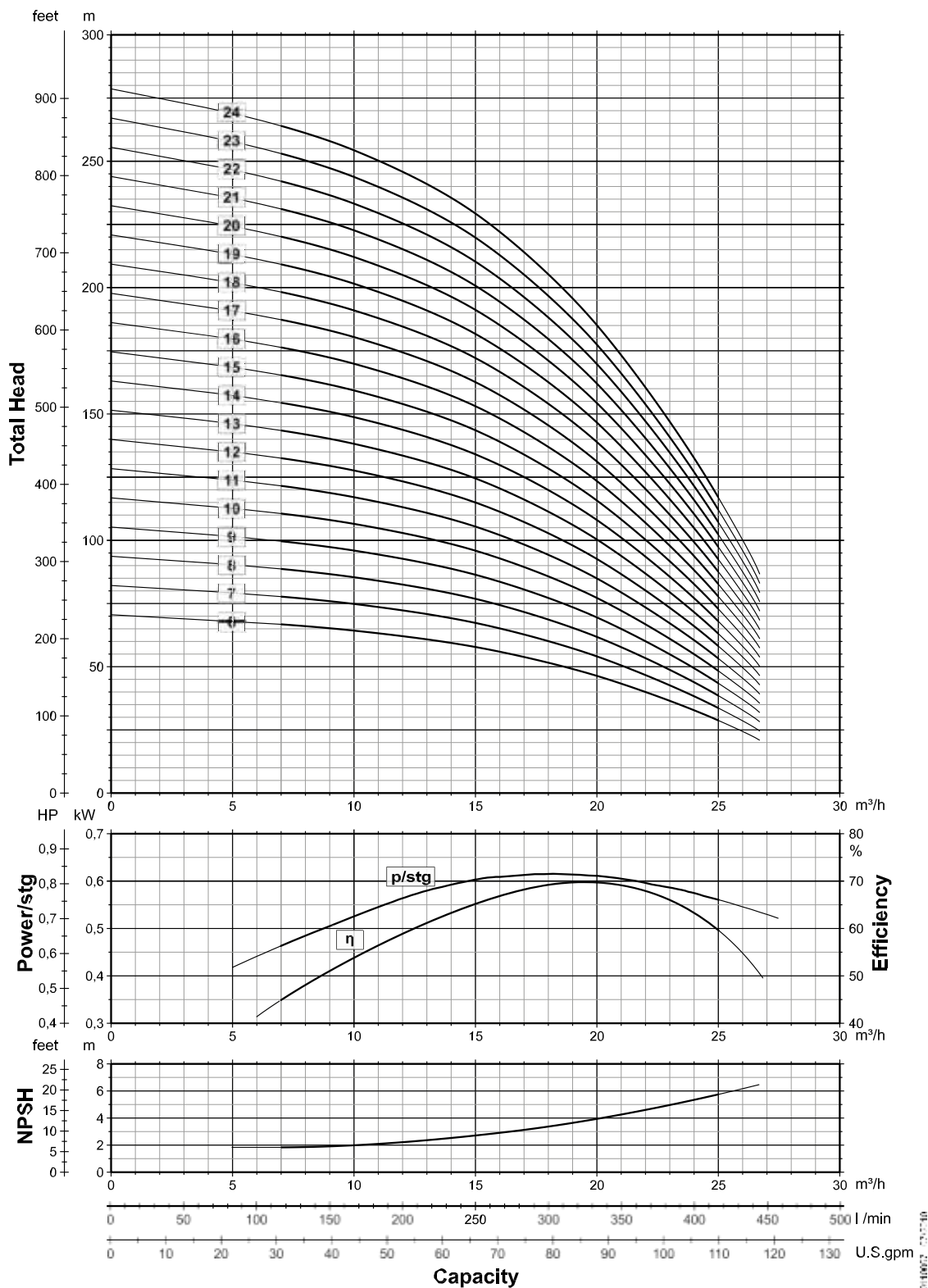
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 20

(per ISO 9906 Annex A)



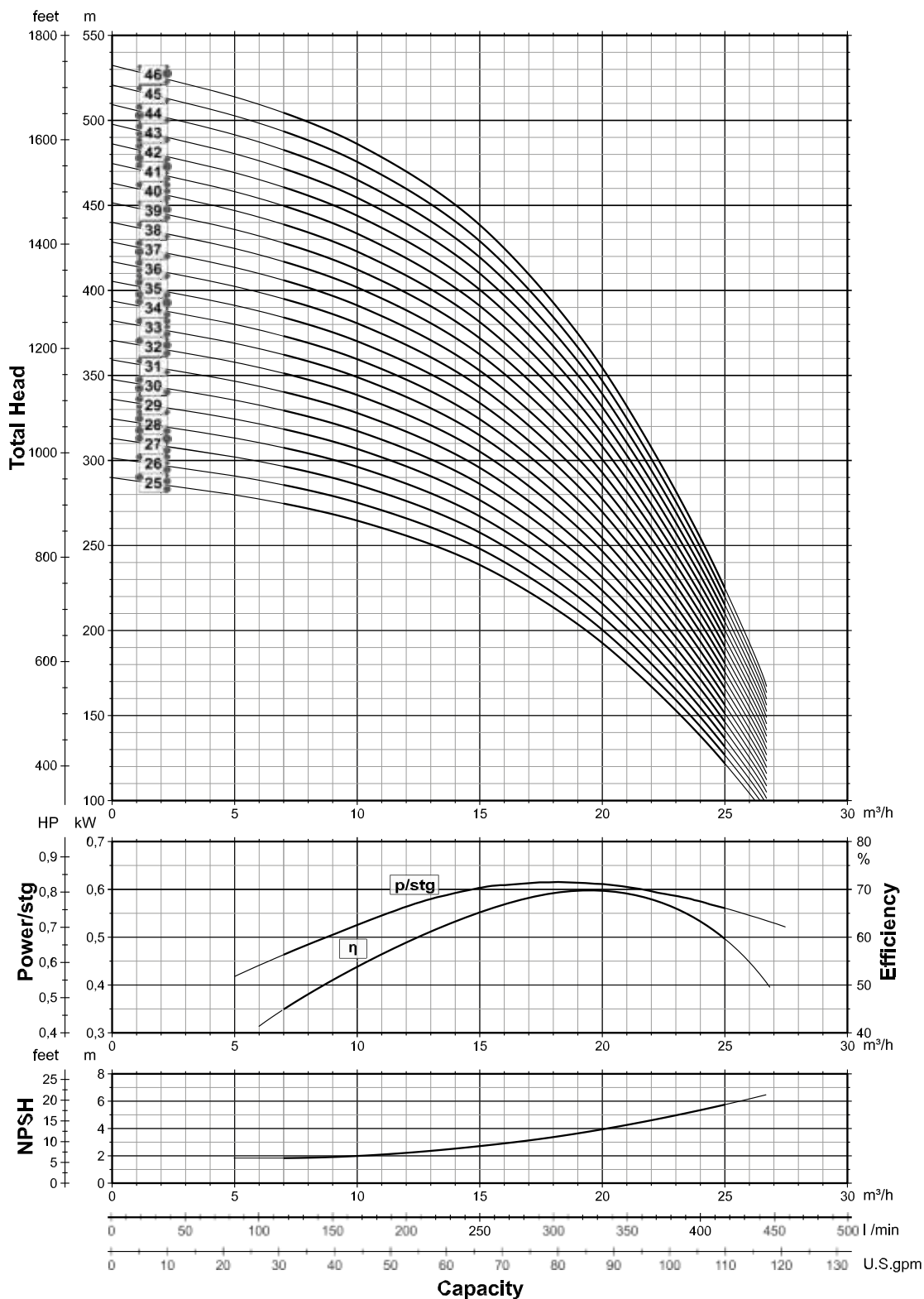
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 20

(per ISO 9906 Annex A)



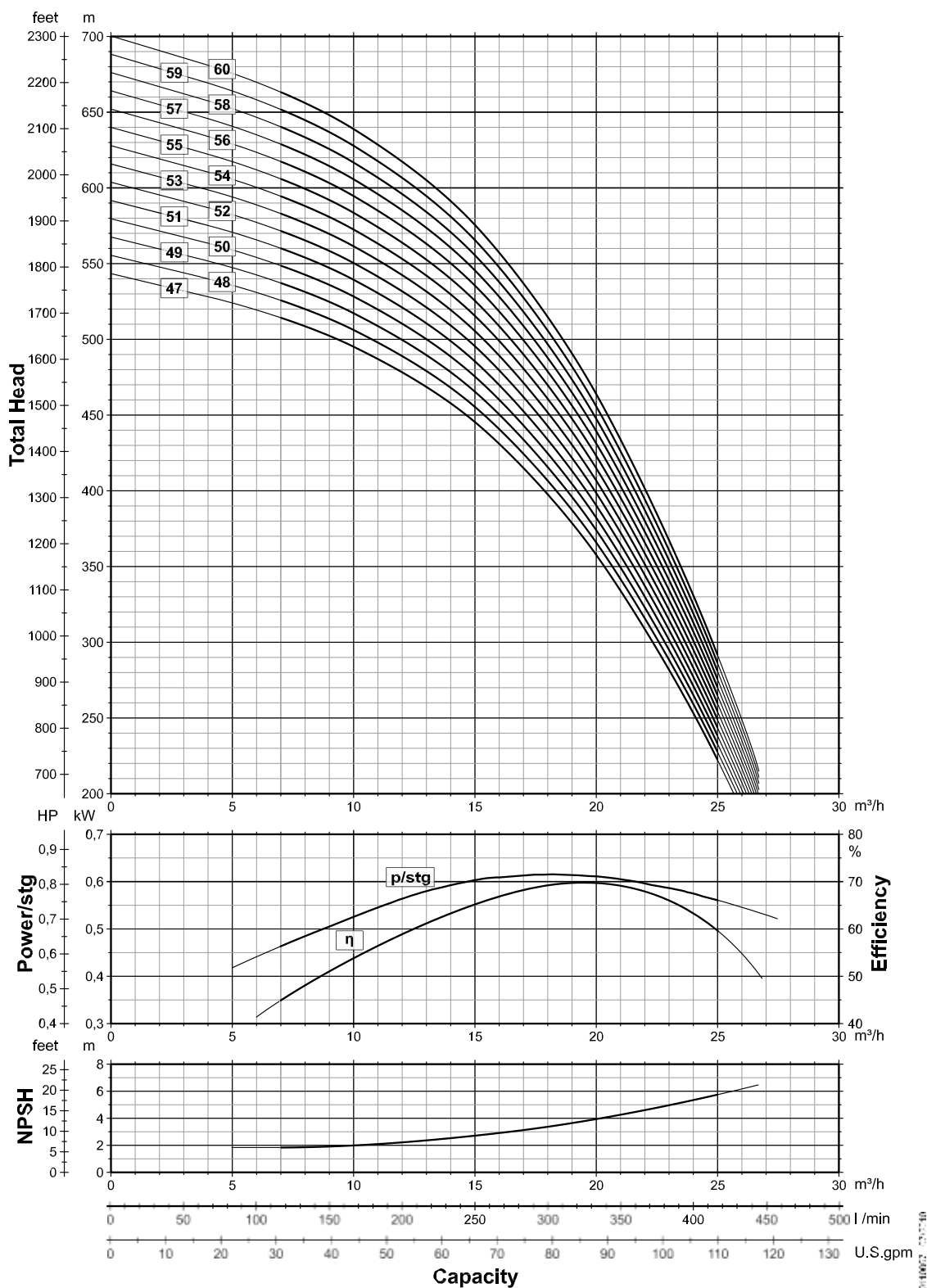
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 20

(per ISO 9906 Annex A)



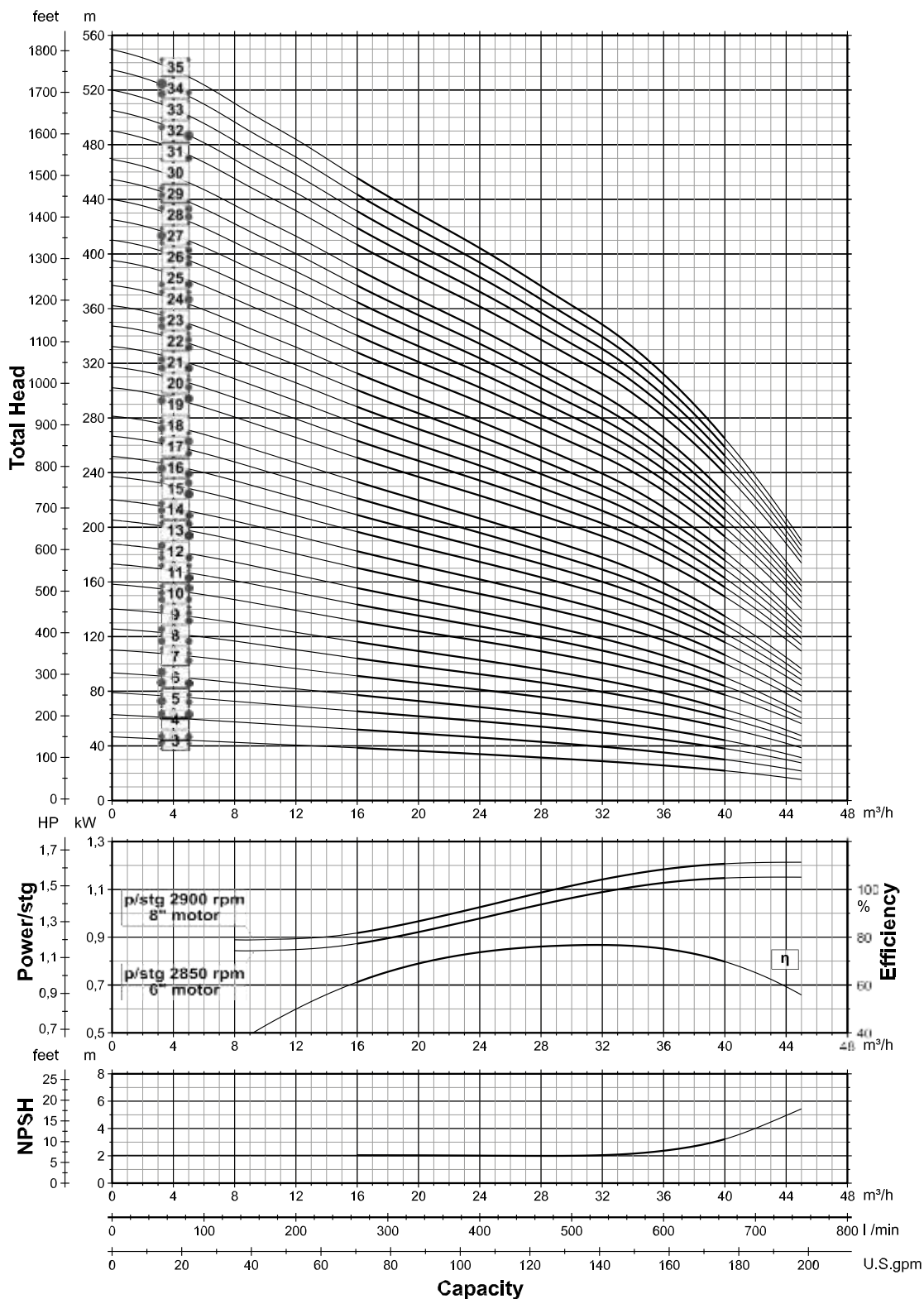
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 32

(per ISO 9906 Annex A)



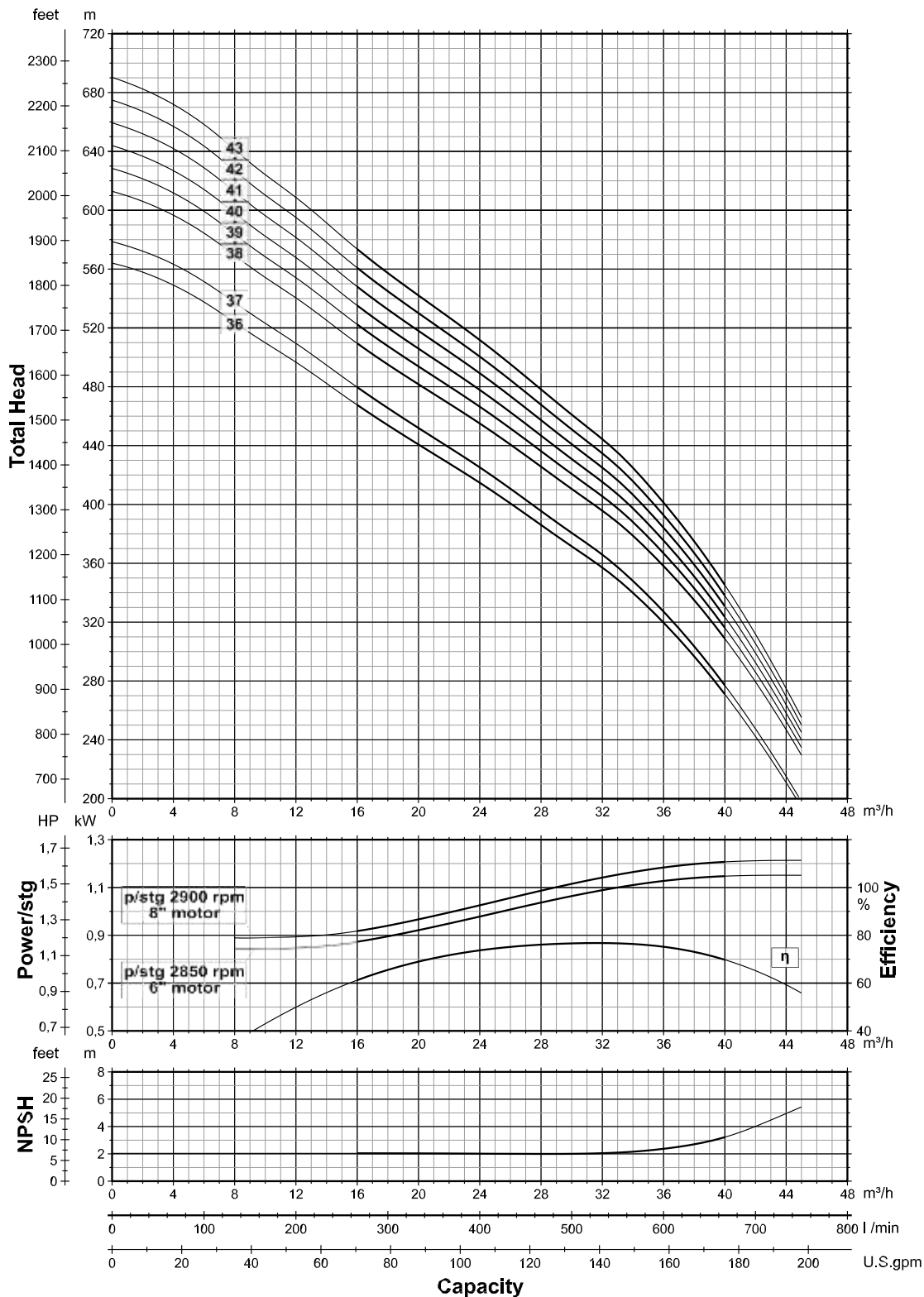
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 32

(per ISO 9906 Annex A)

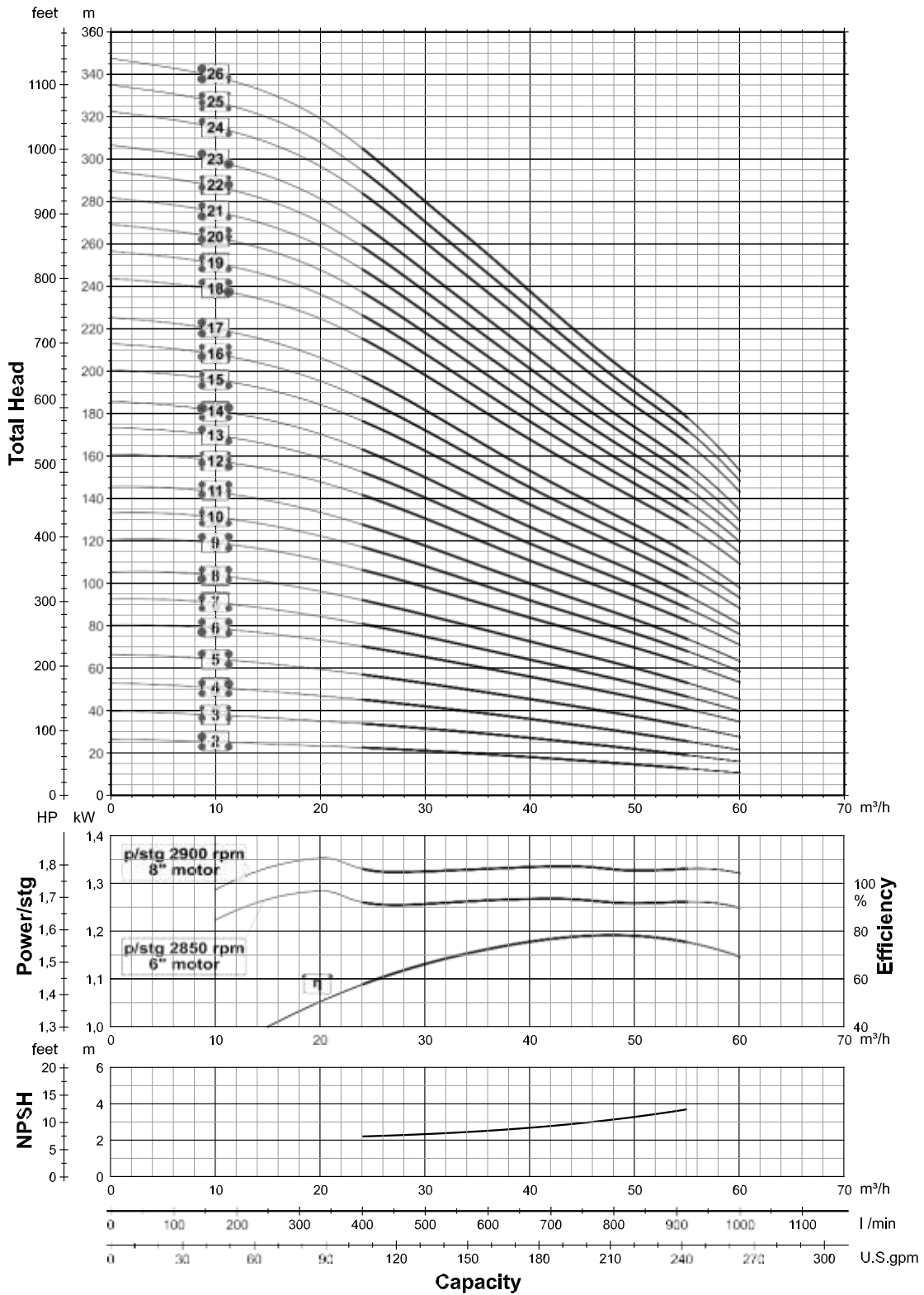


6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

PERFORMANCE CURVES series 6BHE(L) 48

(per ISO 9906 Annex A)

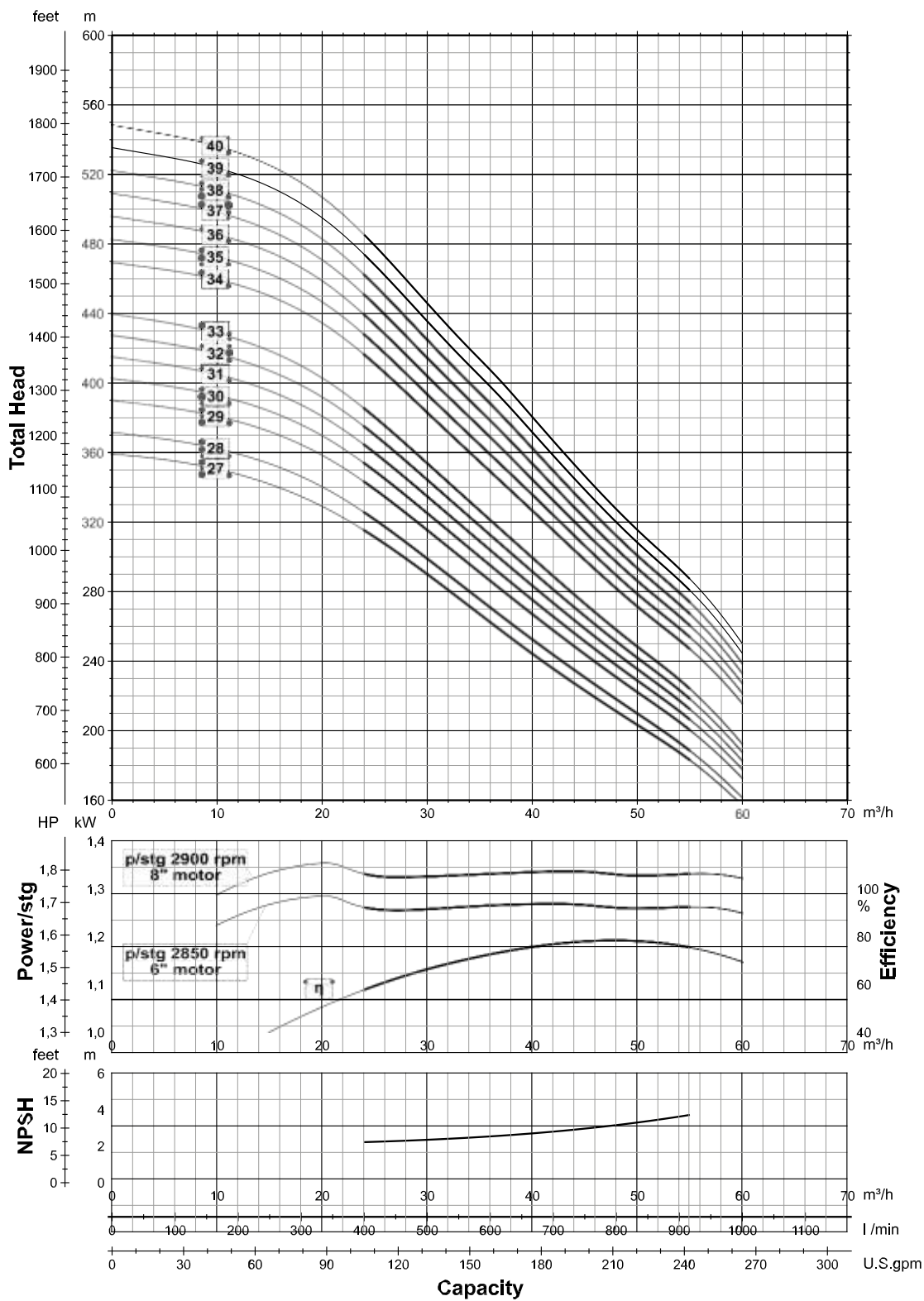


6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

PERFORMANCE CURVES series 6BHE(L) 48

(per ISO 9906 Annex A)



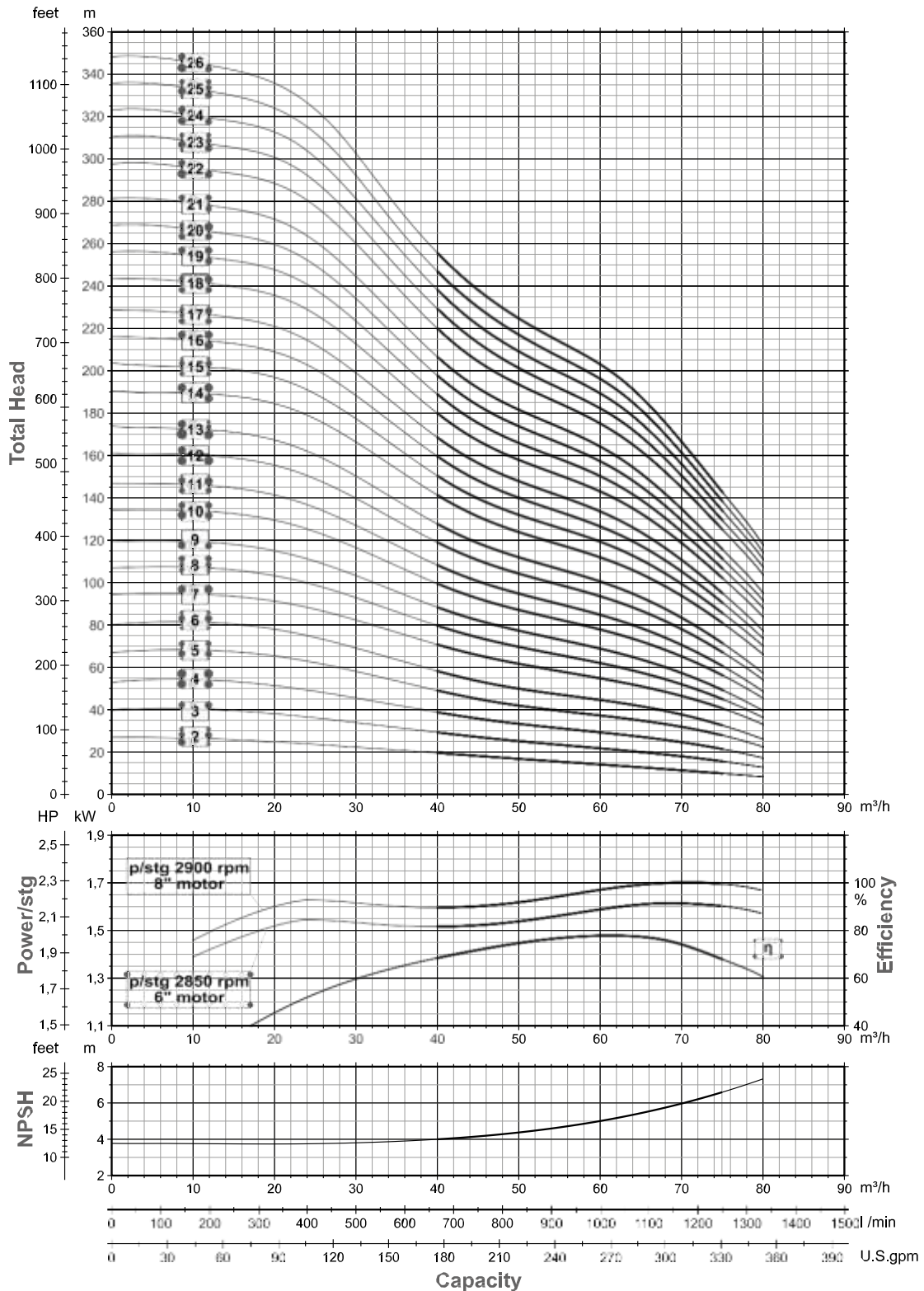
6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

in AISI 304 and AISI 316

PERFORMANCE CURVES series 6BHE(L) 64

(per ISO 9906 Annex A)



6BHE(L)

CENTRIFUGAL BOREHOLE PUMPS 6"

PERFORMANCE CURVES series 6BHE(L) 64

(per ISO 9906 Annex A)

