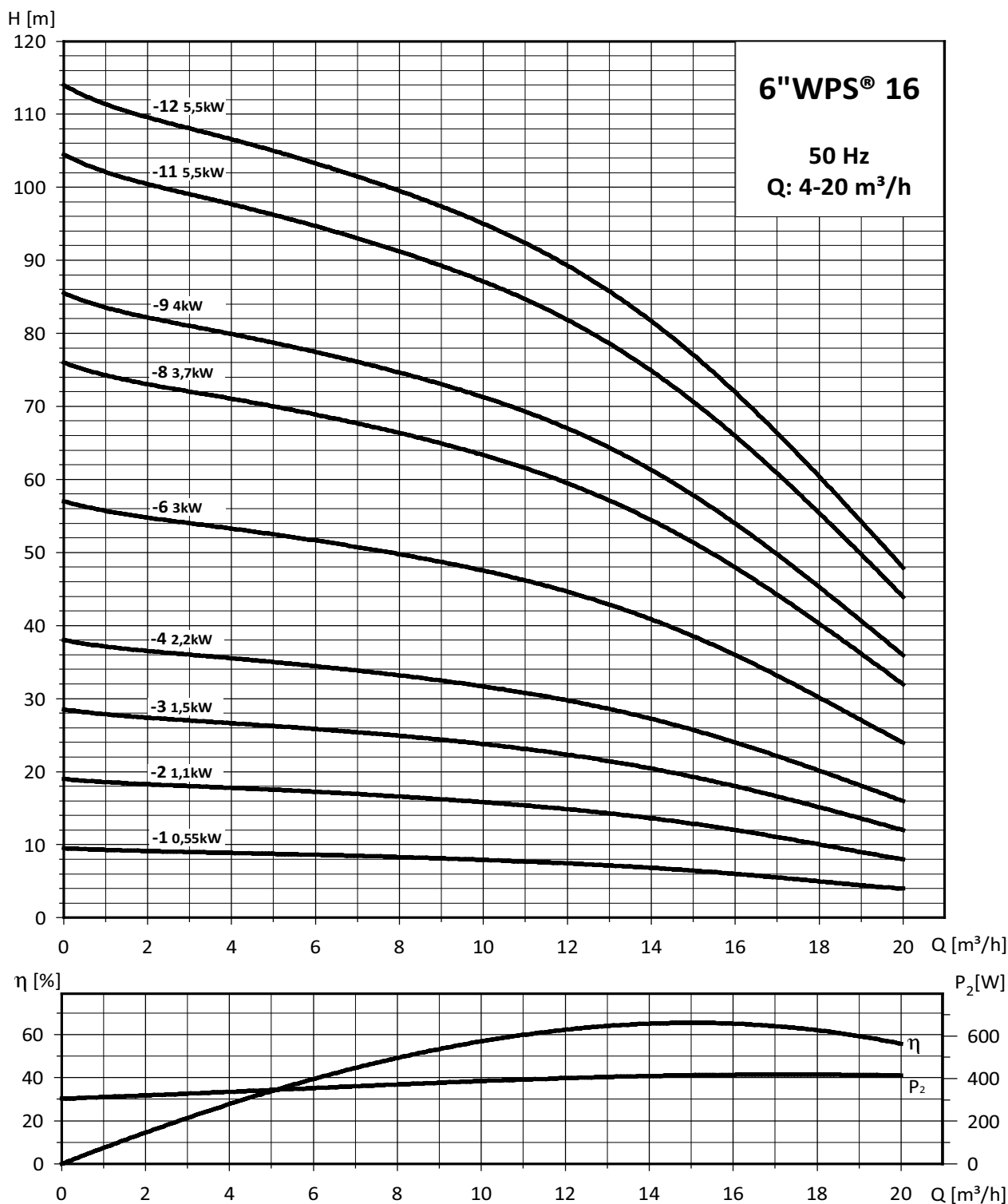




Performance Curves

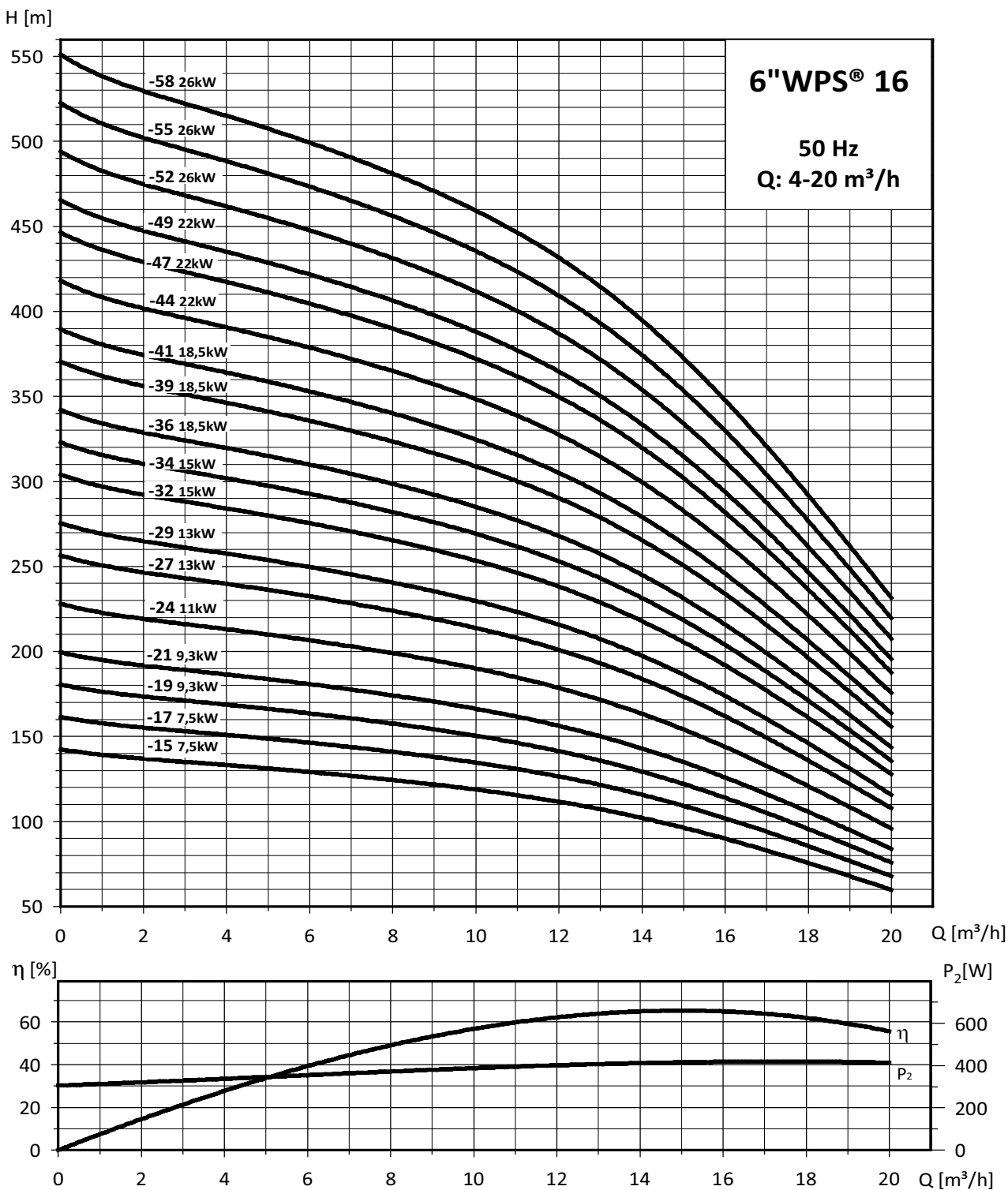
Performance Curves 6"WPS® 16





Performance Curves

Performance Curves 6"WPS® 16



6"WPS®



Technical Data

Selection Chart 6"WPS® 16

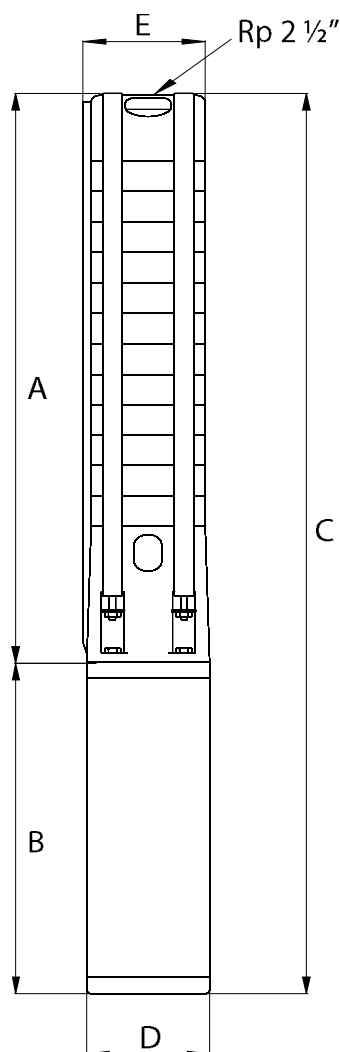
Pump Type	Pump Power P2		Flow [m³/h]					Max. Head [m] at 0 m³/h	Full load current	
	[kW]	[HP]	4	8	12	16	20		3x230V	3x400V
6"WPS®16-1	0,55	0,75	9	8	7	6	4	10	2,8	1,6
6"WPS®16-2	1,1	1,5	18	17	15	12	8	19	5,2	3
6"WPS®16-3	1,5	2,0	26	25	22	18	12	28	6,9	4
6"WPS®16-4	2,2	3,0	35	33	30	24	16	38	10,2	5,9
6"WPS®16-6	3,0	4	53	50	44	36	24	57	13,5	7,8
6"WPS®16-8	3,7	5	70	66	59	48	32	76	15,8	9,1
6"WPS®16-9	4	5,5	79	75	67	54	36	85	16,1	9,3
6"WPS®16-11	5,5	7,5	97	91	82	66	45	104	20,3	11,7
6"WPS®16-12	5,5	7,5	106	99	89	72	49	114	21,7	12,5
6"WPS®16-15	7,5	10	132	124	111	90	61	142	25,9	15,1
6"WPS®16-17	7,5	10	150	141	126	103	69	161	27,5	16
6"WPS®16-19	9,3	12,5	167	157	141	115	77	180	34	19,6
6"WPS®16-21	9,3	12,5	185	174	156	127	85	199	36	20,7
6"WPS®16-24	11	15	211	199	178	145	97	228	40,4	23,3
6"WPS®16-27	13	17,5	238	224	200	163	109	256		27,3
6"WPS®16-29	13	17,5	255	240	215	175	117	275		29,6
6"WPS®16-32	15	20	282	265	237	193	130	303	51,7	29,9
6"WPS®16-34	15	20	299	282	252	205	138	322	54,2	31,3
6"WPS®16-36	18,5	25	317	298	267	217	146	341	60,5	34,9
6"WPS®16-39	18,5	25	343	323	289	235	158	370	63,6	36,7
6"WPS®16-41	18,5	25	361	339	304	247	166	389	66,7	38,5
6"WPS®16-44	22	30	387	364	326	265	178	417	73,6	42,5
6"WPS®16-47	22	30	414	389	348	283	190	446	76,1	44
6"WPS®16-49	22	30	431	406	363	295	198	465	78,5	45,3
6"WPS®16-52	26	35	458	431	385	314	211	493		53,5
6"WPS®16-55	26	35	484	455	408	332	223	521		55,1
6"WPS®16-58	26	35	510	480	430	350	235	550		56,7

6"WPS®



Technical Data

Dimensions and Weight 6"WPS® 16



Pump Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	E* [mm]	Weight [kg]	
							Pump End	Electropump
6"WPS®16-1	285	242	527	95	135		4,4	12,7
6"WPS®16-2	330	299	629	95	135		5,6	16,4
6"WPS®16-3	375	327	702	95	135		6,8	18,9
6"WPS®16-4	420	356	776	95	135		7,9	24,5
6"WPS®16-6	510	423	933	95	135		10,3	29,4
6"WPS®16-8	600	545	1145	95	135		12,8	33,7
6"WPS®16-9	645	583	1228	95	135		13,8	51,3
6"WPS®16-11	735	698	1433	137	139	142	16,1	56,2
6"WPS®16-12	780	698	1478	137	139	142	17,3	57,4
6"WPS®16-15	941	646	1587	137	139	142	22,0	67,2
6"WPS®16-17	1031	646	1677	137	139	142	24,3	69,5
6"WPS®16-19	1121	678	1799	137	139	142	26,7	74,2
6"WPS®16-21	1211	678	1889	137	139	142	29,0	77,5
6"WPS®16-24	1346	711	2057	137	139	142	32,5	83,4
6"WPS®16-27	1481	902	2383	145	139	142	36,0	97,0
6"WPS®16-29	1571	902	2437	145	139	142	38,4	99,4
6"WPS®16-32	1726	776	2502	137	139	142	43,0	99,7
6"WPS®16-34	1816	776	2592	137	139	142	45,3	102,0
6"WPS®16-36	1906	841	2747	137	139	142	47,6	110,5
6"WPS®16-39	2041	841	2882	137	139	142	51,2	114,5
6"WPS®16-41	2131	841	2971	137	139	142	53,5	116,8
6"WPS®16-44	1906	841	3173	137	139	142	57,0	126,3
6"WPS®16-47	2401	907	3308	137	139	142	60,5	129,8
6"WPS®16-49	2491	907	3398	137	139	142	62,9	132,8
6"WPS®16-52	2900	1187	4087	145	175	181	106,4	196,4
6"WPS®16-55	3036	1187	4223	145	175	181	109,9	199,9
6"WPS®16-58	3171	1187	4374	145	175	181	113,4	203,4

6"WPS®



General Data

Pipe connection

All pump types have a treaded pipe connection:

6"WPS® 16: Rp 2 ½"

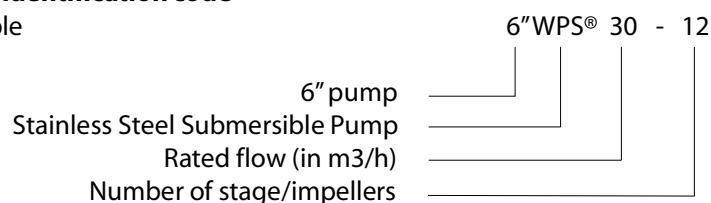
6"WPS® 30: Rp 3"

6"WPS® 45: Rp 3"

6"WPS® 60: Rp 4"

Pump identification code

Example



Pumped liquids

6"WPS® submersible pumps are designed for pumping thin, clean, non-aggressive and non-explosive liquids, not containing solid particles.

6"WPS® pumps are suitable for pumping liquids with a content of sand up to 50 g/m³. A higher content of sand will shorten pump life.

The maximum fluid temperature is 30°C. For higher temperatures, please contact Well Pumps.

Construction features

- Coupling and motor flange of pump-end are suitable for connection to motors in accordance with NEMA standard.
- Jam free check valve, built in the discharge chamber, is designed for low loss of head.
- Generously dimensionned intermediate bearing located at each stage of the pump in order to perfectly align the shaft and optimize the lubrication.
- Rugged cable guard.
- Hydraulic profiles are optimized for the attainment of high efficiencies.
- Resistance to corrosion and abrasion, i.e. the same inherent qualities of stainless steel (AISI 304 - 1.4301).
- Great ease of dismantling and assembly.

Curve Conditions

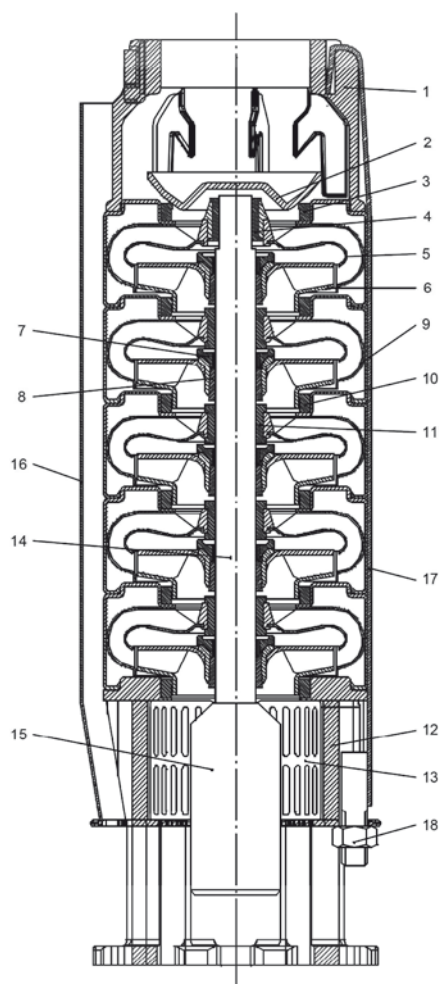
- Curve tolerances according to ISO 9906, Annex A.
- The performance curves show pump performance at actual speed of the standard motor range.
- The measurements were made with airless water at a temperature of 20°C and a kinematic viscosity of 1 mm²/s (1 cSt). For pumping liquids with a higher density than clear water, motors must be used with correspondingly higher outputs.
- Q/H: The curves are inclusive of valve and inlet losses at the actual speed.
- Power curve: P₂ shows pump input power at the actual speed for each individual pump size.
- Efficiency curve: η shows pump stage efficiency.

Service

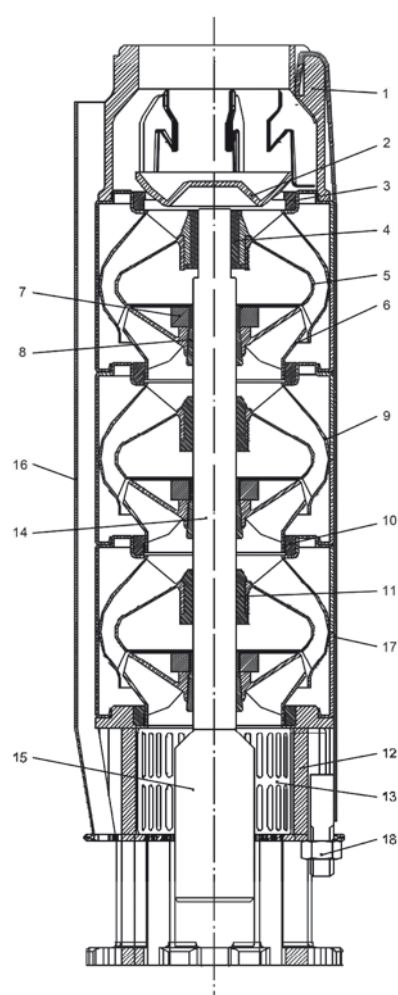
The pump and motor are very easy to maintain and repair. The modular pump and motor design facilitates installation and service. The cable and the plug are fitted to the pump with screws which enables replacement.

6"WPS®

Pompe RADIALE : 6" WPS® 16



Pompe SEMI-AXIALE : 6" WPS® 30, 45 et 60



N°	Description	Matériau
1	Tête de pompe	AISI 304
2	Clapet anti-retour	AISI 304
3	Siège clapet	NBR
4	Guidage supérieur	NBR
5	Diffuseur supérieur	AISI 304
6	Roue	AISI 304
7	Ecrou de serrage	AISI 304
8	Cône de serrage	AISI 304
9	Diffuseur	AISI 304

10	Joint de roué	NBR
11	Palier intermédiaire	NBR
12	Pied de pompe	AISI 304
13	Crépine	AISI 304
14	Axe	AISI 431
15	Accouplement	AISI 304
16	Protège câble	AISI 304
17	Tirant	AISI 304
18	Ecrou M12	AISI 304