



Clean water



Agricultural use



Civil use



Industrial use

※ For reliable performance in tough conditions, our stainless steel pumps, such as the 6ST series, are recommended for their high quality, ensuring a long service life with exceptional mechanical strength and corrosion resistance.

PERFORMANCE RANGE

- Flow rate up to **1300 l/min** (78 m³/h)
- Head up to **490 m**

INSTALLATION AND USE

Experience exceptional energy savings with our completely stainless steel 6" submersible borehole pumps, the **6ST** series. Engineered with optimized diffuser and impeller geometry, they deliver unmatched efficiency.

Designed to transfer clean water with sand content up to **100 g/m³**. Highly efficient and reliable, they are suitable for **industrial, civil, and agricultural applications**, such as water distribution coupled with pressure tanks, irrigation, pressure boosting, fire-fighting systems, and more.

INCLUDES

- ※ Three-phase electric motor 400 V - 50 Hz The pump can be supplied with motor:
 - **6PD** rewindable and oil filled
 - **6PSR** rewindable and water filled
- ※ **4 m** power cable

APPLICATION LIMITS

- Liquid temperature up to **+35 °C**
- Sand content max. **100 g/m³**
- Maximum operating depth below water level:
 - **200 m** with 6PD motors
 - **150 m** with 6PSR motors
- Vertical operation
- Starts per hour: **20** at regular intervals
- Minimum cooling flow **8 cm/s**
- Continuous running duty **S1**

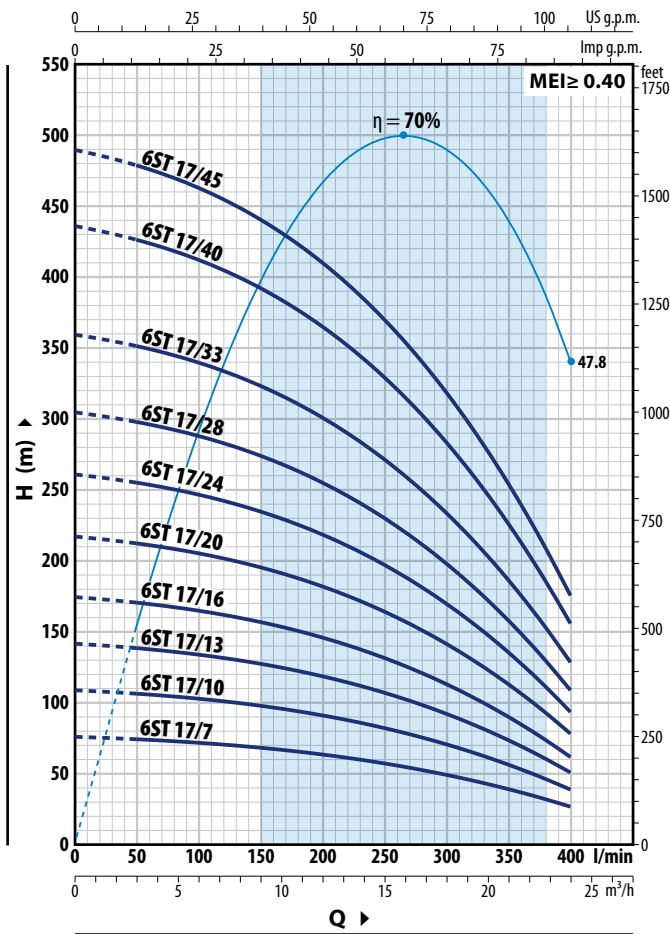
AVAILABLE UPON REQUEST

- ※ 6ST pumps with double cable cover for coupling with 400/690 V
 - ▲/△ dual voltage motors (star/delta)
- ※ Other voltages

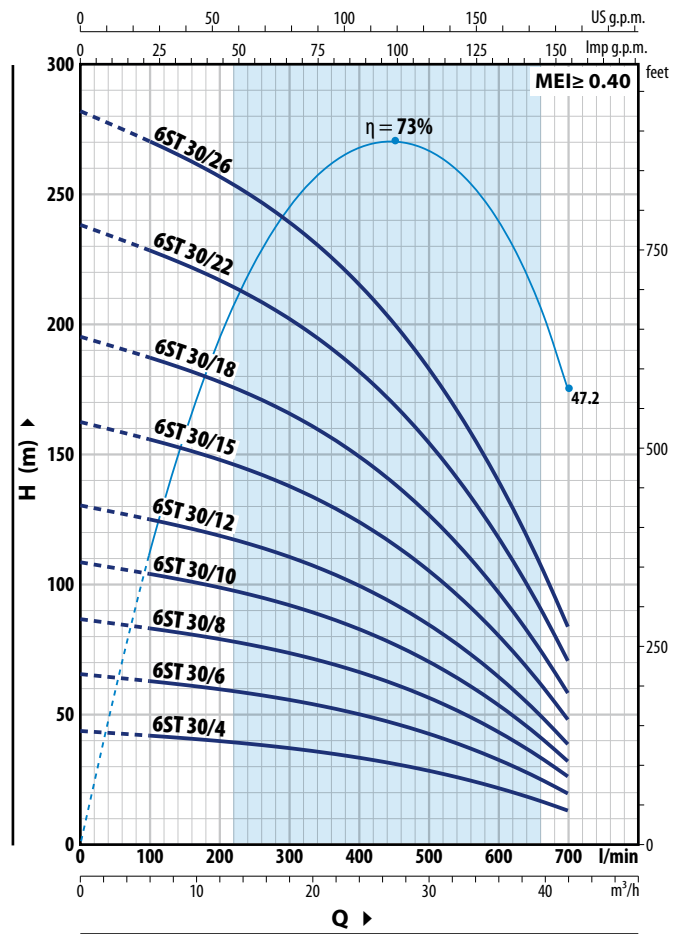
PERFORMANCE RANGE

50 Hz

6ST 17



6ST 30



6ST 17

TYPE	POWER (P ₂)		Q	m ³ /h												
	kW	HP		0	3	6	9	12	15	18	21	24				
Three-phase			l/min	0	50	100	150	200	250	300	350	400				
6ST 17/7	4	5.5	H metres	76	75	72	68.5	64	57.5	49.5	39.5	27.5				
6ST 17/10	5.5	7.5		109	107	103	98	91	82	71	56.5	39				
6ST 17/13	7.5	10		142	139	134	127	119	107	92	73	50.5				
6ST 17/16	9.2	12.5		174	170	165	157	146	132	113	90	62.5				
6ST 17/20	11	15		218	213	206	196	182	165	142	113	78				
6ST 17/24	13	17.5		262	256	247	235	219	198	170	136	94				
6ST 17/28	15	20		305	298	288	274	255	230	198	158	109				
6ST 17/33	18.5	25		360	352	340	323	301	272	234	187	129				
6ST 17/40	22	30		436	426	412	392	365	329	283	226	156				
6ST 17/45 ⁽¹⁾	26	35		490	479	464	441	411	370	319	254	175				

6ST 30

TYPE	POWER (P ₂)		Q	m ³ /h									
	kW	HP		0	6	12	18	24	30	36	42		
Three-phase			l/min	0	100	200	300	400	500	600	700		
6ST 30/4	4	5.5	H metres	43.5	41.5	39.5	37	33	28	21.5	13		
6ST 30/6	5.5	7.5		65	62.5	59.5	55	49.5	42	32.5	19.5		
6ST 30/8	7.5	10		87	83	79	74	66.5	56.5	43	25.5		
6ST 30/10	9.2	12.5		108	104	99	92	83	70	54	32		
6ST 30/12	11	15		130	125	119	110	99	84	64.5	38.5		
6ST 30/15	13	17.5		163	156	148	138	124	106	81	48		
6ST 30/18	15	20		195	187	178	166	149	127	97	58		
6ST 30/22	18.5	25		239	229	217	202	182	155	118	71		
6ST 30/26	22	30		282	270	257	239	215	183	140	84		

Q = Flow rate H = Total manometric head

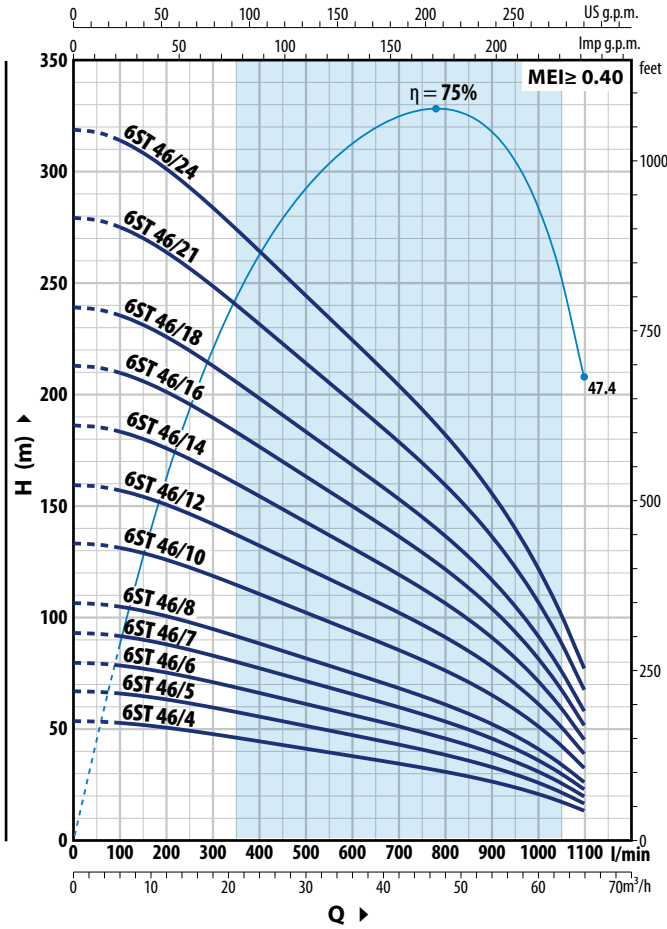
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

(1) For pumps equipped with 6PD motor: 40 HP motor

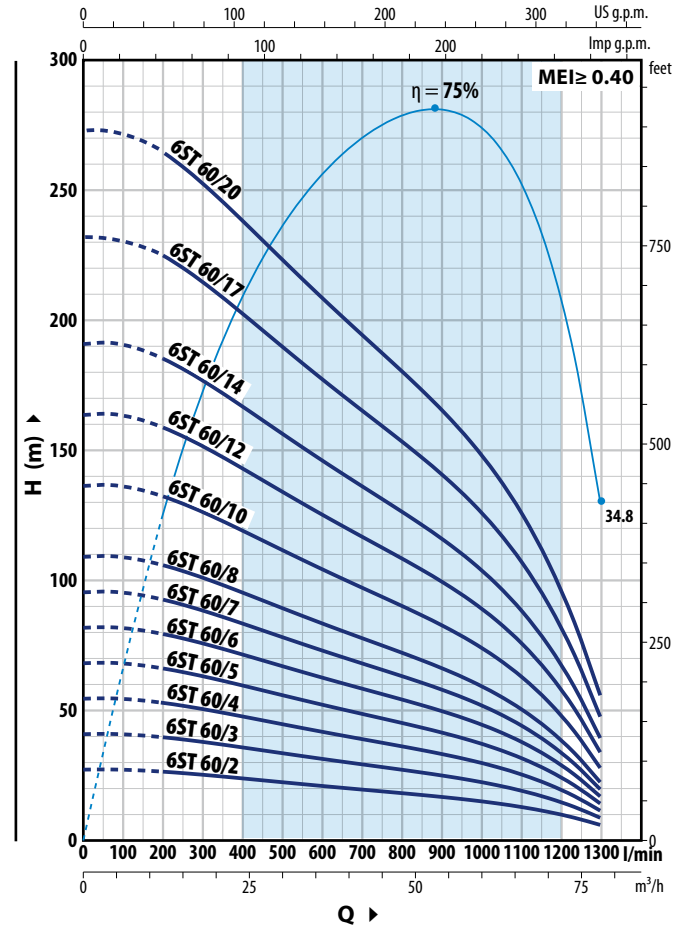
PERFORMANCE RANGE

50 Hz

6ST 46



6ST 60



6ST 46

TYPE	POWER(P ₂)		Q	m ³ /h													
	kW	HP		0	6	12	18	24	30	36	42	48	54	60	66		
Three-phase				0	100	200	300	400	500	600	700	800	900	1000	1100		
6ST 46/4	5.5	7.5	H metres	53	52.5	50.5	47.5	44	41	37.5	34	30.5	26	20.4	13		
6ST 46/5	7.5	10		66.5	65.5	63	59	55	51	47	42.5	38	32.5	25.5	16		
6ST 46/6	9.2	12.5		80	79	75	71	66	61	56	51	45.5	39	30.5	19.5		
6ST 46/7	11	15		93	92	88	83	77	71	65.5	59.5	53	45.5	36	22.5		
6ST 46/8	13	17.5		106	105	101	95	88	82	75	68	61	52	41	26		
6ST 46/10	15	20		133	131	126	118	110	102	94	85	76	65	51	32		
6ST 46/12	18.5	25		160	157	151	142	132	122	112	102	91	78	61.5	38.5		
6ST 46/14	22	30		186	183	176	166	154	143	131	119	106	91	72	45		
6ST 46/16	22	30		213	210	201	189	177	163	150	136	122	104	82	51.5		
6ST 46/18 ⁽¹⁾	26	35		239	236	226	213	199	184	169	153	137	117	92	58		
6ST 46/21	30	40		279	275	264	249	232	214	197	179	160	137	107	67.5		
6ST 46/24	37	50		319	314	302	284	265	245	225	205	182	156	123	77		

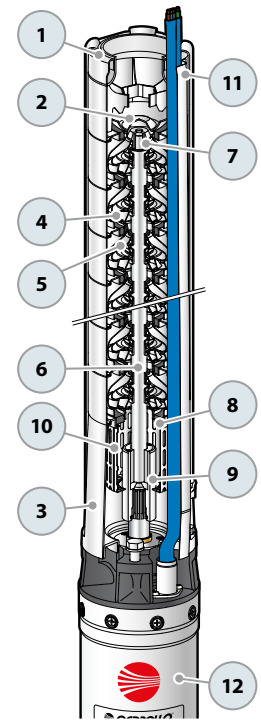
6ST 60

TYPE	POWER(P ₂)		Q	m ³ /h											
	kW	HP		0	12	18	24	30	36	48	60	72	78		
Three-phase				0	200	300	400	500	600	800	1000	1200	1300		
6ST 60/2	4	5.5	H metres	27.5	26.5	25.3	24	22.4	21	18	15	9.7	5.5		
6ST 60/3	5.5	7.5		41	39.5	38	36	33.5	31.5	27	22.3	14.5	8.5		
6ST 60/4	7.5	10		54.5	53	50.5	47.5	44.5	42	36	29.5	19.4	11		
6ST 60/5	9.2	12.5		68.5	66	63	59.5	56	52.5	45	37	24.2	14		
6ST 60/6	11	15		82	79	76	72	67	62.5	54.5	44.5	29	17		
6ST 60/7	13	17.5		96	93	89	84	78	73	63.5	52	34	19.5		
6ST 60/8	15	20		109	106	101	95	89	84	72.5	59.5	39	22.5		
6ST 60/10	18.5	25		137	132	126	119	112	105	90	74	48.5	28		
6ST 60/12	22	30		164	159	152	143	134	125	109	89	58	33.5		
6ST 60/14 ⁽¹⁾	26	35		191	185	177	167	157	146	127	104	68	39		
6ST 60/17	30	40		232	225	215	203	190	178	154	126	82	47.5		
6ST 60/20	37	50		273	265	253	239	224	209	181	149	97	56		

(1) For pumps equipped with 6PD motor: 40 HP motor

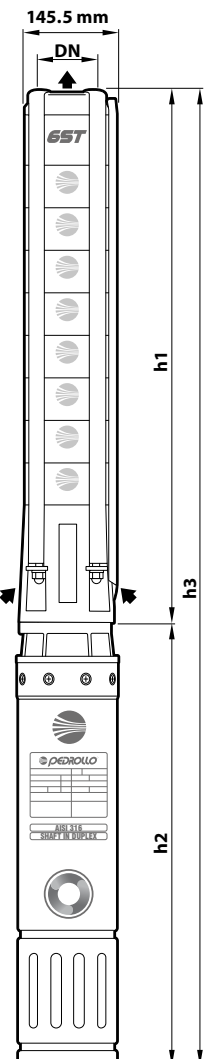
MATERIALS AND COMPONENTS

1 Delivery port	AISI 304 stainless steel with thread according to ISO 228/1
2 Check valve	Stainless steel AISI 304
3 Motor bracket	Stainless steel AISI 304
4 Impellers	Stainless steel AISI 304
5 Diffusers	Stainless steel AISI 304
6 Pump shaft	Stainless steel AISI 304
7 Pump bearings	Special elastomer
8 Wear rings	Special elastomer
9 Tow coupling	Stainless steel AISI 304
10 Filter	Stainless steel AISI 304
11 Cable sheath	Stainless steel AISI 304
12 Motor 6"	※ 6PD = rewindable oil filled motor ※ 6PSR = rewindable oil water motor



DIMENSIONS AND WEIGHT

TYPE	DN	DIMENSIONS mm			kg	TYPE	DN	DIMENSIONS mm			kg		
		h1	h2	h3				h1	h2	h3			
Three-phase ※						Three-phase ※							
6ST 17/7 - PD	3"	695	595	1290	48.8	6ST 17/7 - PSR	3"	695	620	1315	66.7		
6ST 17/10 - PD		876	625	1501	55.3	6ST 17/10 - PSR		876	620	1496	70.3		
6ST 17/13 - PD		1058	660	1718	63.3	6ST 17/13 - PSR		1058	670	1728	81.0		
6ST 17/16 - PD		1239	700	1939	69.4	6ST 17/16 - PSR		1239	700	1939	88.6		
6ST 17/20 - PD		1481	765	2246	79.2	6ST 17/20 - PSR		1481	750	2231	100.4		
6ST 17/24 - PD		1723	820	2543	95.0	6ST 17/24 - PSR		1723	780	2503	108.2		
6ST 17/28 - PD		1965	820	2785	99.8	6ST 17/28 - PSR		1965	840	2805	120.4		
6ST 17/33 - PD		2268	883	3151	117.4	6ST 17/33 - PSR		2268	890	3158	136.9		
6ST 17/40 - PD		2691	953	3644	132.3	6ST 17/40 - PSR		2691	975	3666	156.3		
6ST 17/45 - PD		2994	1098	4092	154.3	6ST 17/45 - PSR		2994	1075	4069	172.3		
6ST 30/4 - PD		3"	655	595	1250	46.2		6ST 30/4 - PSR	3"	655	620	1275	65.5
6ST 30/6 - PD			847	625	1472	54.2		6ST 30/6 - PSR		847	620	1467	69.2
6ST 30/8 - PD			1039	660	1699	62.1		6ST 30/8 - PSR		1039	670	1709	79.8
6ST 30/10 - PD			1231	700	1931	68.2		6ST 30/10 - PSR		1231	700	1931	87.4
6ST 30/12 - PD			1423	765	2188	76.8		6ST 30/12 - PSR		1423	750	2173	98.0
6ST 30/15 - PD			1711	820	2531	93.2		6ST 30/15 - PSR		1711	780	2491	106.4
6ST 30/18 - PD			1999	820	2819	98.7		6ST 30/18 - PSR		1999	840	2839	119.3
6ST 30/22 - PD			2383	883	3266	117.0		6ST 30/22 - PSR		2383	890	3273	137.0
6ST 30/26 - PD			2767	953	3720	131.0		6ST 30/26 - PSR		2767	975	3742	155.1
6ST 46/4 - PD			3"	723	625	1348		52.1		6ST 46/4 - PSR	3"	723	620
6ST 46/5 - PD	836			660	1496	56.6	6ST 46/5 - PSR	836		670		1506	74.3
6ST 46/6 - PD	949			700	1649	61.3	6ST 46/6 - PSR	949		700		1649	80.4
6ST 46/7 - PD	1062			765	1827	69.4	6ST 46/7 - PSR	1062		750		1812	90.6
6ST 46/8 - PD	1175			820	1995	81.6	6ST 46/8 - PSR	1175		780		1955	95.8
6ST 46/10 - PD	1401			820	2221	87.0	6ST 46/10 - PSR	1401		840		2241	107.6
6ST 46/12 - PD	1627			883	2510	102.9	6ST 46/12 - PSR	1627		890		2517	119.0
6ST 46/14 - PD	1853			953	2806	112.8	6ST 46/14 - PSR	1853		975		2828	133.4
6ST 46/16 - PD	2079			953	3032	118.2	6ST 46/16 - PSR	2079		975		3054	142.2
6ST 46/18 - PD	2305			1098	3403	138.6	6ST 46/18 - PSR	2305		1075		3380	156.6
6ST 46/21 - PD	2644			1098	3742	146.1	6ST 46/21 - PSR	2644		1215		3859	182.1
6ST 46/24 - PD	2983	1233		4216	162.7	6ST 46/24 - PSR	2983	1295	4278	198.7			
6ST 60/2 - PD	3"	497		595	1092	43.4	6ST 60/2 - PSR	3"	497	620		1117	61.3
6ST 60/3 - PD		610		625	1235	48.5	6ST 60/3 - PSR		610	620		1230	63.5
6ST 60/4 - PD		723		660	1383	54.4	6ST 60/4 - PSR		723	670		1393	72.1
6ST 60/5 - PD		836		700	1536	59.1	6ST 60/5 - PSR		836	700		1536	78.3
6ST 60/6 - PD		949		765	1714	67.3	6ST 60/6 - PSR		949	750		1699	88.4
6ST 60/7 - PD		1062		820	1882	79.4	6ST 60/7 - PSR		1062	780		1842	93.6
6ST 60/8 - PD		1175		820	1995	81.6	6ST 60/8 - PSR		1175	840		2015	102.2
6ST 60/10 - PD		1401		883	2284	97.5	6ST 60/10 - PSR		1401	890		2291	113.6
6ST 60/12 - PD		1627	953	2580	108.4	6ST 60/12 - PSR	1627		975	2602	129.0		
6ST 60/14 - PD		1853	1098	2951	128.8	6ST 60/14 - PSR	1853		1075	2928	143.4		
6ST 60/17 - PD	2192	1098	3290	137.4	6ST 60/17 - PSR	2192	1215	3407	172.4				
6ST 60/20 - PD	2531	1233	3764	153.9	6ST 60/20 - PSR	2531	1295	3826	189.9				



※ **6PD** = rewindable submersible oil filled motor

※ **6PSR** = rewindable submersible water filled motor