6HR Microcast stainless steel 6" submersible pumps

Clean water

Agricultural use

Civil use

Industrial use

※ Distinguished by their exceptional mechanical resilience, our pumps excel in combating both sand wear and corrosion, making them perfect for coastal installations and brackish water environments. They are the optimal choice when seeking a high-quality product that ensures long-term operation.

PERFORMANCE RANGE

- Flow rate up to **1800 l/min** (108 m^3/h)
- Head up to **349 m**

INSTALLATION AND USE

Submersible pump designed for 6" wells, constructed with durable micro-cast stainless steel.

Designed to transfer clean or brackish water with sand content up to **100 g/m^3**. 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 380 V - 60 Hz
The pump is supplied with motor **6PD** rewindable and oil filled

※ **4 m** power cable

APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Sand content max. **100 g/m^3**
- Maximum operating depth below water level **200 m**
- Operation:
  - in vertical position
  - horizontally with the following limits:
    6HR200G up to **7 stages**
    6HR250G up to **6 stages**
    6HR300G up to **6 stages**
    6HR370G up to **4 stages**
- Starts per hour: **20** at regular intervals
- Minimum cooling flow **8 cm/s**
- Continuous running duty **S1**

AVAILABLE UPON REQUEST

※ Different voltage or frequency

※ Counterflange kit

※ 6HR-HYD pumps with double cable cover for coupling with 380/660 V dual voltage motors ⅄/▲ (star/delta)

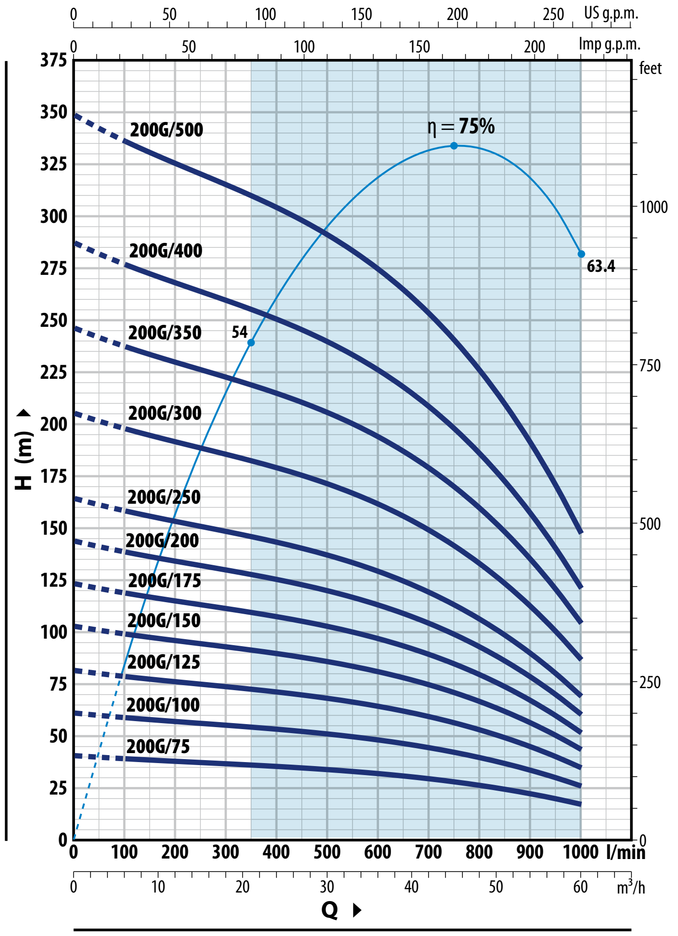
PATENTS - TRADE MARKS - MODELS

- Registered Community Model No. 004675106-0002

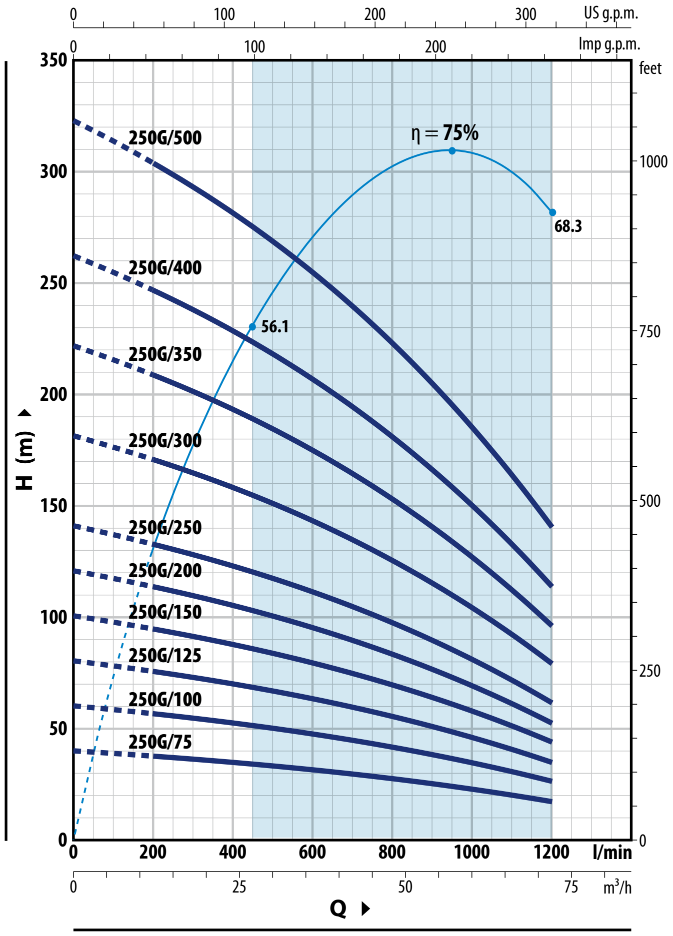
PERFORMANCE RANGE

60 Hz

6HR200G



6HR250G



6HR200G

MODEL	N.	POWER (P_2)		Q m³/h	0	6	12	18	24	30	36	42	48	54	60
Three-phase	STAGES	kW	HP	l/min	0	100	200	300	400	500	600	700	800	900	1000
6HR200G/75	2	5.5	7.5		41	39.5	38.5	37	36	34	32.5	30	26.6	22.5	17.5
6HR200G/100	3	7.5	10		61.5	59.5	57.5	55.5	53.5	51.5	48.5	44.5	40	33.5	26
6HR200G/125	4	9.2	12.5[1]		82	79	77	74	72	68.5	64.5	59.5	53	45	34.5
6HR200G/150	5	11	15		103	99	96	93	89	86	81	74	66.5	56	43.5
6HR200G/175	6	13	17.5[2]		123	119	115	111	107	103	97	89	80	67.5	52
6HR200G/200	7	15	20	H m	144	138	134	130	125	120	113	104	93	79	60.5
6HR200G/250	8	18.5	25		164	158	153	148	143	137	129	119	106	90	69.5
6HR200G/300	10	22	30		205	198	191	185	179	171	161	149	133	112	87
6HR200G/350	12	26	35[3]		246	237	230	222	215	205	194	179	159	135	104
6HR200G/400	14	30	40		287	277	268	259	250	240	226	208	186	157	121
6HR200G/500	17	37	50		349	336	325	315	304	291	274	253	226	191	147

6HR250G

MODEL	N.	POWER (P_2)		Q m³/h	0	12	18	24	30	36	42	48	54	60	66	72
Three-phase	STAGES	kW	HP	l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200
6HR250G/75	2	5.5	7.5		40.5	38	36.5	35	33.5	32	30	28	25.6	23.2	20.5	17.5
6HR250G/100	3	7.5	10		60.5	57	55	53	50.5	48	45	42	38.5	35	30.5	26.5
6HR250G/125	4	9.2	12.5[1]		81	76	73	70	67.5	64	60	56	51.5	46.5	41	35
6HR250G/150	5	11	15		101	95	92	88	84	80	75	70	64	58	51	44
6HR250G/200	6	15	20	H m	121	114	110	106	101	96	90	84	77	69.5	61.5	52.5
6HR250G/250	7	18.5	25		142	133	128	123	118	112	105	98	90	81	72	61.5
6HR250G/300	9	22	30		182	171	165	159	151	144	135	126	115	104	92	79
6HR250G/350	11	26	35[3]		222	209	202	194	185	175	165	154	141	127	113	97
6HR250G/400	13	30	40		263	247	239	229	219	207	195	181	167	151	133	114
6HR250G/500	16	37	50		323	304	294	282	269	255	240	223	205	185	164	141

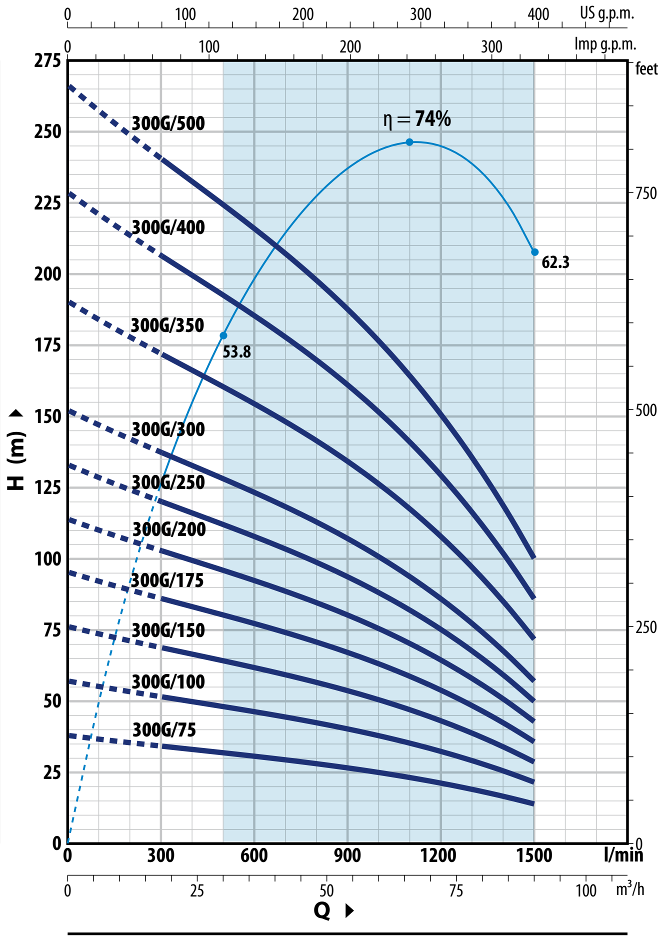
(1) Pumps equipped with 15 HP motor
(2) Pumps equipped with 20 HP motor
(3) Pumps equipped with 40 HP motor

6HR Microcast stainless steel 6" submersible pumps

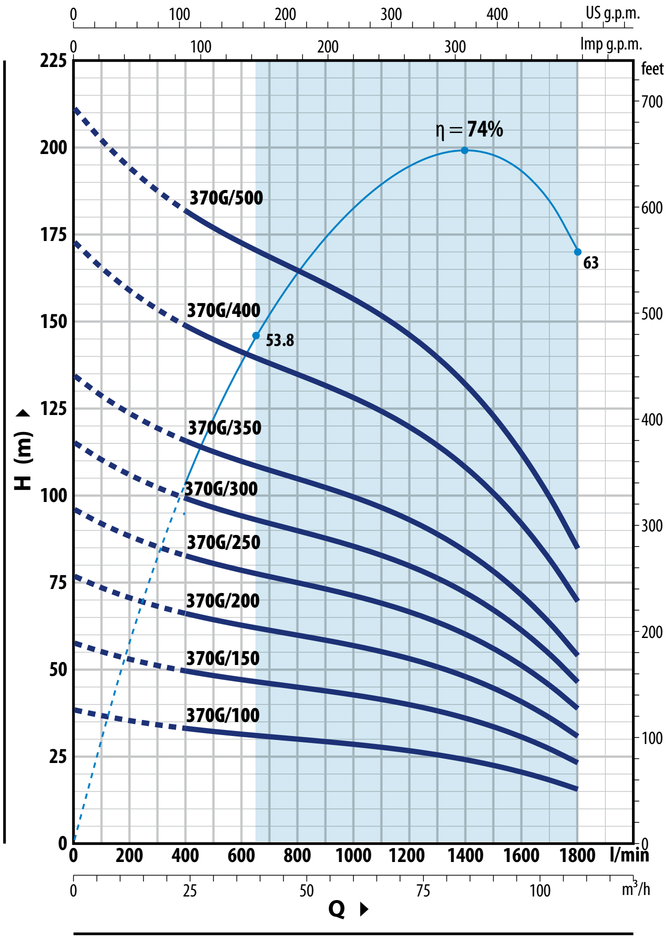
PERFORMANCE RANGE

60 Hz

6HR300G



6HR370G



6HR300G

MODEL	N.	POWER (P2)		Q	m³/h	0	18	24	30	36	42	48	54	60	75	90
Three-phase	STAGES	kW	HP		l/min	0	300	400	500	600	700	800	900	1000	1250	1500
6HR300G/75	2	5.5	7.5	H	m	38	34.5	33	32	31	29.5	28.5	26.8	25.2	20.5	14.5
6HR300G/100	3	7.5	10			57	51.5	50	48	46.5	44.5	42.5	40	38	30.5	21.5
6HR300G/150	4	11	15			76	69	66.5	64	62	59	56.5	53.5	50.5	41	28.5
6HR300G/175	5	13	17.5(1)			95	86	83	80	77	74	71	67	63	51	36
6HR300G/200	6	15	20			114	103	100	96	93	89	85	80	76	61.5	43
6HR300G/250	7	18.5	25			133	120	116	112	108	104	99	94	88	72	50
6HR300G/300	8	22	30			152	138	133	128	124	118	113	107	101	82	57.5
6HR300G/350	10	26	35			190	172	166	160	154	148	141	134	126	102	72
6HR300G/400	12	30	40			228	206	199	192	185	178	170	161	151	123	86
6HR300G/500	14	37	50			267	241	233	225	216	207	198	188	177	144	100

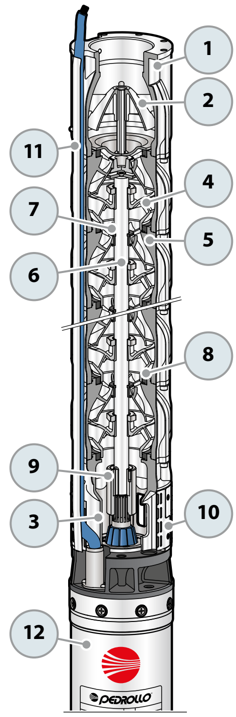
6HR370G

MODEL	N.	POWER (P2)		Q	m³/h	0	24	36	48	60	72	84	96	108
Three-phase	STAGES	kW	HP		l/min	0	400	600	800	1000	1200	1400	1600	1800
6HR370G/100	2	7.5	10	H	m	38.5	33	31.5	30	28.5	26.5	23.9	20.3	15.5
6HR370G/150	3	11	15			57.5	49.5	47	45	42.5	40	36	30.5	23
6HR370G/200	4	15	20			77	66	62.5	60	57	53	48	40.5	31
6HR370G/250	5	18.5	25			96	83	78	75	71	66.5	60	51	38.5
6HR370G/300	6	22	30			115	99	94	90	85	80	72	61	46
6HR370G/350	7	26	35(2)			134	116	110	105	99	93	84	71	54
6HR370G/400	9	30	40			173	149	141	135	128	119	108	92	69.5
6HR370G/500	11	37	50			211	182	172	164	156	146	132	112	85

(1) Pumps equipped with 20 HP motor
(2) Pumps equipped with 40 HP motor

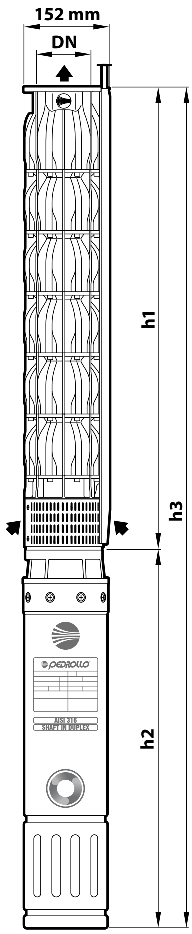
MATERIALS AND COMPONENTS

1	**Delivery port**	Micro-cast **AISI 304** stainless steel with thread according to ANSI/ASME B1.20.1
2	**Check valve**	Stainless steel **AISI 304**
3	**Motor bracket**	**AISI 304** micro-cast stainless steel sized to NEMA standards
4	**Impellers**	**AISI 304** micro-cast stainless steel
5	**Diffusers**	**AISI 304** micro-cast stainless steel
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**



DIMENSIONS AND WEIGHT

MODEL Three-phase	PORT DN	DIMENSIONS mm Ø	h1	h2	h3	kg 3~
6HR200G/75 - PD	**3" NPT**	**150**	480	625	1105	**53.8**
6HR200G/100 - PD			581	660	1241	**65.2**
6HR200G/125 - PD			682	700	1382	**71.2**
6HR200G/150 - PD			783	765	1548	**78.8**
6HR200G/175 - PD			884	820	1704	**94.0**
6HR200G/200 - PD			985	820	1805	**97.7**
6HR200G/250 - PD			1086	883	1969	**111.3**
6HR200G/300 - PD			1288	953	2241	**124.9**
6HR200G/350 - PD			1490	1098	2588	**149.1**
6HR200G/400 - PD			1692	1098	2790	**158.9**
6HR200G/500 - PD			1995	1233	3228	**167.9**
6HR250G/75 - PD			480	625	1105	**53.7**
6HR250G/100 - PD			581	660	1241	**60.2**
6HR250G/125 - PD			682	700	1382	**66.2**
6HR250G/150 - PD			783	765	1548	**73.7**
6HR250G/200 - PD			884	820	1704	**88.3**
6HR250G/250 - PD			985	883	1868	**101.8**
6HR250G/300 - PD			1187	953	2140	**114.9**
6HR250G/350 - PD			1389	1098	2487	**138.0**
6HR250G/400 - PD			1591	1098	2689	**146.1**
6HR250G/500 - PD			1894	1233	3127	**163.8**
6HR300G/75 - PD			492	625	1117	**53.8**
6HR300G/100 - PD			599	660	1259	**60.4**
6HR300G/150 - PD			706	765	1471	**70.5**
6HR300G/175 - PD			813	820	1633	**82.1**
6HR300G/200 - PD			920	820	1740	**88.7**
6HR300G/250 - PD			1027	883	1910	**102.3**
6HR300G/300 - PD			1134	953	2087	**112.0**
6HR300G/350 - PD			1348	1098	2446	**135.2**
6HR300G/400 - PD			1562	1098	2660	**143.5**
6HR300G/500 - PD			1776	1233	3009	**157.7**
6HR370G/100 - PD			492	660	1152	**56.7**
6HR370G/150 - PD			599	765	1364	**66.7**
6HR370G/200 - PD			706	820	1526	**78.3**
6HR370G/250 - PD			813	883	1696	**94.9**
6HR370G/300 - PD			920	953	1873	**103.4**
6HR370G/350 - PD			1027	1098	2125	**124.0**
6HR370G/400 - PD			1241	1098	2339	**131.2**
6HR370G/500 - PD			1455	1233	2688	**148.3**



COUNTERFLANGE