

VALCO Vera™ range - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 6-inch wells COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

Applications

Suitable to replace standard surface pumps, carrying the advantages of lesser space needed, less maintenance and complete absence of noise.

For domestic drinking potable water , residential, commercial, industrial, agricultural, geothermal, civil applications, to pump and explore geothermal resources for fluids in spas, industry, agriculture and private, community and district heating and in all cases where it is requested to lift water out from below the ground from aquifers and to push it above with pressure: boreholes, bored wells, riverbanks, in-line pressure boosting, dewatering, sprinkler and drip irrigation systems, horticulture, greenhouses and gardening, air conditioning, water supply to offshore oil platforms, pressure boosting pumping / increasing water pressure, fire fighting, hydrant systems, deluge systems, fountains and water features, large rural irrigation schemes, turf watering installations and stock watering plants, washing and hobby uses, jet washing, station washing, dairy washdown, vegetable washing, dewatering of mines and excavations, level control (wellpoint) of groundwater waterbeds, sump drainage, artificial snow, solar power, monitor system, in-ground tank installation, underground water storage tanks installation, rainwater collection, etc.

Pumping of clean water in domestic applications from boreholes and wells, agricultural, industry, processing of drinking water distribution, water supply, firefighting, boosters, fountains, municipal water supply, mains and municipal boosting, sump drainage, dam drainage, mine water supply, river water extraction.



I-36063 Marostica (Vicenza) Italy
www.valco.eu

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STANDARD.**

Pump and motor construction data
with limits of use and operating conditions

Built-in check non-return valve to protect the pump against water hammer

OPERATING CONDITIONS (LIMITS OF USE)

Maximum depth of immersion m	150
Maximum temperature of pumped liquid °C	+35
Minimum speed of the liquid around the motor m/s	0,1 for 4"; 0,15 for 6"
Density of pumped liquid with γ -water specific gravity kg/dm ³	1
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive with hardness and grading of silt 60 g/m ³
Installation type	Submerged at least 1 m

CONSTRUCTION MATERIALS

Pump casing	Stainless steel DIN/EN 1.4301 (AISI 304)
Motor casing	Stainless steel DIN/EN 1.4301 (AISI 304)
Suction strainer	Stainless steel DIN/EN 1.4301 (AISI 304)
Coupling flange to NEMA standard	Stainless steel DIN/EN 1.4301 (AISI 304)
Impeller/s	Technopolymer PPO
Diffusers	Technopolymer PPO + Stainless steel DIN/EN 1.4301 (AISI 304)
Wear ring	Technopolymer PPO + Stainless steel DIN/EN 1.4301 (AISI 304)
Delivery/ discharge head*	Stainless steel DIN/EN 1.4301 (AISI 304)
Shaft (pump side)	Stainless steel DIN/EN 1.4011 (AISI 420)
Shaft guiding stage bushes	Stainless steel DIN/EN 1.4404 (AISI 316L)
Mechanical seal	Silicon carbide, NBR, stainless steel AISI 304
Bolts and nuts	Stainless steel A2 class
Gaskets	NBR rubber

* With built-in check non-return valve to protect the pump against water hammer

MOTOR

Asynchronous submersible motor with shaft sealing system and coupling to NEMA standards. In oil bath and rewindable

Number of poles	2
Insulation class	F
Degree of protection IP	68
Service	Continuous duty
Maximum tolerance (fluctuation) from the nominal voltage	±10%
Starts per hour max	30

The overload motor protection must be provided by the user (we recommend the use of a control box)

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Pump and motor construction data
with limits of use and operating conditions

Types		Pump height Hp (mm)	Pump and motor height H 1 phase (mm)	Pump and motor height H 3 phase (mm)	Pump weight (Kg)	Pump and motor weight 1 phase (Kg)	Pump and motor weight 3 phase (Kg)	Impeller RA= radial MF=mixed flow	Motor size
1 PH 230V 50Hz	3 PH 400V 50Hz								
6200-P4	6200-P4T	402	907	868	8,7	21,5	19,5	MF	4"
6300-P4	6300-P4T	478	1081	983	9,8	27,2	22,3	RA	4"
6335-P4	6335-P4T	459	1062	964	9,7	27,1	22,2	MF	4"
6345-P4	6345-P4T	408	1011	913	8,5	25,9	21	MF	4"
6410-P4	6410-P4T	516	1234	1076	10,4	34,5	25,4	RA	4"
6420-P4	6420-P4T	478	1196	1038	9,8	33,9	24,8	RA	4"
6422-P4	6422-P4T	516	1234	1076	10,8	34,9	25,8	MF	4"
6440-P4	6440-P4T	459	1177	1019	9,8	33,9	24,8	MF	4"
6455-P4	6455-P4T	408	1126	968	8,5	32,6	23,5	MF	4"
6457-P4	6457-P4T	408	1126	968	8,5	32,6	23,5	MF	4"
6510-P4	6510-P4T	592	1310	1217	11,8	35,9	30,1	RA	4"
6512-P4	6512-P4T	554	1272	1179	11,1	35,2	29,4	RA	4"
6523-P4	6523-P4T	630	1348	1255	12,4	36,5	30,7	RA	4"
6525-P4	6525-P4T	516	1234	1141	10,5	34,6	28,8	RA	4"
6527-P4	6527-P4T	573	1291	1198	11,1	35,2	29,4	MF	4"
6560-P4	6560-P4T	516	1234	1141	10,8	34,9	29,1	MF	4"
6580-P4	6580-P4T	468	1186	1093	9,4	33,5	27,7	MF	4"
6587-P4	6587-P4T	468	1186	1093	9,4	33,5	27,7	MF	4"
-	6605-P4T	744	-	1469	14,4	-	38,7	RA	4"
-	6620-P4T	630	-	1355	12,4	-	36,7	RA	4"
-	6630-P4T	592	-	1317	11,8	-	36,1	RA	4"
-	6640-P4T	554	-	1279	11,1	-	35,4	RA	4"
-	6650-P4T	630	-	1355	12,9	-	37,2	MF	4"
-	6680-P4T	528	-	1253	10,3	-	34,6	MF	4"
-	6682-P4T	528	-	1253	10,2	-	34,5	MF	4"
-	6705-PT	895	-	1555	16,9	-	62,9	RA	6"
-	6720-PT	744	-	1404	14,3	-	60,3	RA	6"
-	6723-PT	858	-	1518	17	-	63	MF	6"
-	6740-PT	744	-	1404	14,9	-	60,9	MF	6"
-	6775-PT	588	-	1248	11,2	-	57,2	MF	6"
-	6777-PT	588	-	1248	11,2	-	57,2	MF	6"
-	67110-PT	528	-	1188	10,2	-	56,2	MF	6"
-	6800-PT	1086	-	1786	22,2	-	70,2	RA	6"
-	6810-PT	972	-	1672	18,3	-	66,3	RA	6"
-	6825-PT	858	-	1558	16,3	-	64,3	RA	6"
-	6845-PT	858	-	1558	17,1	-	65,1	MF	6"
-	6870-PT	648	-	1348	12,1	-	60,1	MF	6"
-	68100-PT	648	-	1348	12	-	60	MF	6"
-	6905-PT	1200	-	1965	24,2	-	76,2	RA	6"
-	6920-PT	972	-	1737	18,2	-	70,2	RA	6"
-	6927-PT	1143	-	1908	22,5	-	74,5	MF	6"
-	6940-PT	972	-	1737	19,2	-	71,2	MF	6"
-	6980-PT	768	-	1533	13,9	-	65,9	MF	6"
-	69115-PT	708	-	1473	12,9	-	64,9	MF	6"
-	6A05-PT	1404	-	2224	27,7	-	84,7	RA	6"
-	6A15-PT	1086	-	1906	22,2	-	79,2	RA	6"
-	6A40-PT	1086	-	1906	21,4	-	78,4	MF	6"
-	6A70-PT	828	-	1648	15	-	72	MF	6"
-	6A95-PT	768	-	1588	13,8	-	70,8	MF	6"
-	6B00-PT	1693	-	2513	41	-	99	RA	6"
-	6B15-PT	1200	-	2020	24,1	-	82,1	RA	6"
-	6B17-PT	1480	-	2300	23,4	-	81,4	MF	6"
-	6B50-PT	1200	-	2020	23,4	-	81,4	MF	6"
-	6B52-PT	888	-	1708	15,9	-	73,9	MF	6"
-	6B120-PT	828	-	1648	14,8	-	72,8	MF	6"
-	6C00-PT	1997	-	2880	47,5	-	111,5	RA	6"
-	6C15-PT	1480	-	2363	28,9	-	92,9	RA	6"
-	6C23-PT	1764	-	2647	32,6	-	96,6	MF	6"
-	6C40-PT	1480	-	2363	27,7	-	91,7	MF	6"
-	6C42-PT	1068	-	1951	18,6	-	82,6	MF	6"
-	6C115-PT	1008	-	1891	15,7	-	79,7	MF	6"
-	6D00-PT	2301	-	3254	54,1	-	125,1	RA	6"
-	6D05-PT	1807	-	2760	43,1	-	114,1	RA	6"
-	6D16-PT	2187	-	3140	49,1	-	120,1	MF	6"
-	6D25-PT	1707	-	2660	31,5	-	102,5	MF	6"
-	6D27-PT	1248	-	2201	21,5	-	92,5	MF	6"
-	6D90-PT	1128	-	2081	17,8	-	88,8	MF	6"
-	6E0J-PT	2529	-	3547	59	-	138	RA	6"
-	6E00-PT	1997	-	3015	47	-	126,2	RA	6"
-	6E01B-PT	2472	-	3490	54,7	-	133,7	MF	6"
-	6E10-PT	2073	-	3091	46,9	-	125,9	MF	6"
-	6E12-PT	1480	-	2498	27,6	-	106,6	MF	6"
-	6E90-PT	1308	-	2326	21,9	-	100,9	MF	6"
-	6F0B-PT	2187	-	3283	51,3	-	138,3	RA	6"
-	6F0D-PT	2861	-	3959	62,5	-	149,5	MF	6"
-	6F15-PT	2301	-	3399	51,2	-	138,2	MF	6"
-	6F40-PT	1660	-	2758	30,6	-	117,6	MF	6"
-	6F90-PT	1480	-	2578	26,8	-	113,8	MF	6"
-	6G0AB-PT	2453	-	3686	57	-	156	RA	6"
-	6G0AD-PT	3431	-	4664	73,7	-	172,7	MF	6"
-	6G00-PT	2757	-	3990	59,8	-	158,8	MF	6"
-	6G25-PT	1959	-	3192	41,2	-	140,2	MF	6"
-	6G80-PT	1779	-	3012	37,1	-	136,1	MF	6"



Max diameter of the electric pumps D: 140 mm
DNm: G 3"