



4PD



6PD



4PD Sacrificial Anode



Dimensions in mm

Pedrollo PD submersible motors are of the oil filled rewindable type designed to give exceptional reliability and efficiency in all borehole pumping applications. They are constructed principally from stainless steel AISI 316 making them robust and long lasting in harsh operating conditions. Features include;

- Oil filled type motor with FDA approved colourless oil
- Largely stainless steel AISI 316 construction with duplex shaft
- Oil lubricated thrust and radial bearings
- Reinforced netted NBR diaphragm for internal motor pressure compensation
- Standard NEMA flanges for use with both 4" and 6" pumps
- Sacrificial anode available on request for 4PD for extremely aggressive water and stray currents

Protection: IP68

Insulation Class: F

Voltage: 4PD: 1x220V/ 240V, 50Hz
6PD: 3x380V/ 415V, 50Hz

OPERATING PARAMETERS

Max Voltage Variation: ±10%

Max Starts/Hr: 20 - 4" and 30 - 6"

Max Water Temperature: 35°C

Min Water Pass Flow Rate: 0.1 m/sec

Max Immersion Depth: 200m

Installation: Vertical/horizontal with a tilt angle >5°

MOTOR DATA

SINGLE PHASE

Power		In (A)	Istart (A)	PF CosØ	Capacitor µF	Tail Cable		H (mm)	Weight (Kg)
kW	HP					mm ²	m		
0.37	0.5	3.6	12	0.86	20	1.5	2	311	7
0.55	0.75	4.7	16	0.89	25			331	8
0.75	1	5.9	19	0.91	35			356	9
1.1	1.5	8.3	27	0.93	40			396	11
1.5	2	10.7	35	0.93	60			437	13
2.2	3	15.2	47	0.94	75			492	15

THREE PHASE

Power		In (A)	Istart (A)	PF (CosØ)	Tail Cable		H (mm)	Weight (Kg)		
kW	HP				mm ²	m				
0.37	0.5	1.8	6	0.52	1.5	2	311	7		
0.55	0.75	2.0	0	0.63			331	8		
0.75	1	2.5	10	0.71			356	9		
1.1	1.5	3.4	16	0.79			371			
1.5	2	4.8	18	0.66			396	11		
2.2	3	6.1	40	0.73			437	13		
3.0	4.0	7.1		0.79			450	14		
4.0	5.5	9.2		0.77			505	16		
5.5	7.5	12.3	66	0.82			2	3.6	590	20
7.5	10	16.4	89	0.76					800	30
4.0	5.5	9	47	0.86					595	33
5.5	7.5	13	66	0.84					625	37
7.5	10	17	80	0.83	660	38				
9.2	12.5	22	98	0.77	700	43				
11	15	24	124	0.82	765	52				
15	20	32	158	0.86	820	58				
18.5	25	39	230	0.84	883	63				
22	30	47	256	0.83	8	4			953	79
30	40	64	349						1098	92
37	50	78	400						1233	93

MATERIAL SPECIFICATION

Component	Material
Motor shell	316 stainless steel
Sand guard	NBR
Cable connector	LDPE+TPO+AISI304
Upper end bracket cover	4"-304 stainless steel
Upper end bracket	Cast Iron with cataphoresis treatment
Mechanical Seal	Ceramic/Graphite
Shaft	Duplex
Lower end bracket	4"-Stainless steel, 6"-Cast Iron
Winding	Copper
Lower end bracket cover	AISI 304 stainless steel
Diaphragm	NBR