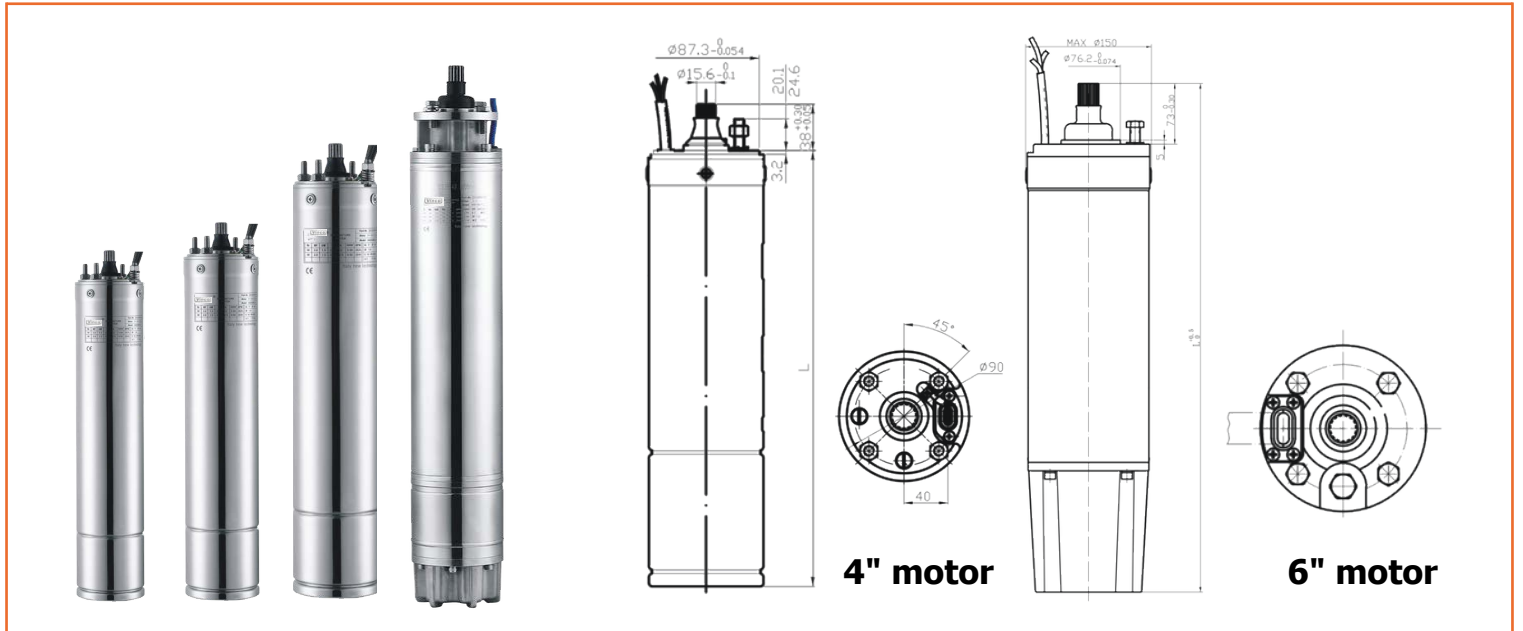


## BOREHOLE SUBMERSIBLE MOTORS



Vinco Submersible motors are high specification motors made from quality materials, high specifications, workmanship and efficiency offering reliability for all borehole and well applications. They are liquid-cooled, 2-pole asynchronous squirrel-cage type, constructed from stainless steel and may be coupled to any borehole pump with NEMA standard splines.

Single phase motors should be supplied with purpose designed control boxes for operation and protection against overload, dry running and over/under voltage. The controller boxes come with capacitors. Three phase motors require a remote DOL starter; An Empower EMP DOL Pump Controller is recommended for detailed pump control including low level, motor overload, dry well, full tank and irregular power supply protection.

### SALIENT FEATURES

- The motor windings are made up of 220°C-lacquer coated copper wires offering excellent insulation and water-proof property.
- The outer motor shell is coated with high quality cold-rolled silicon steel lamination.
- Heavy duty bearings with high thrust capacity.
- Oil sealing system for high sand resistance and degree of protection : IP68.
- Mechanical sealing system for high sand resistance.
- High Quality bearings undertaking high thrust loads.
- Reinforced butyl rubber diaphragm for Pressure balancing

Frequency: 50hz    Maximum Ambient Temperature: 35°C    Max. Voltage Variation = 10°C    Max. Starts per Hour= 20

### SPECIFICATIONS

SIZE		Voltage	Motor Diameter	Current	Cos ϕ	RPM	Thrust Load (N)	Length (mm)	Weight (Kg)		
(KW)	(HP)										
1.1	1.5	1*220V	4"	7.8	0.96	2850	2500	390	11		
1.5	2.2			10	0.97	2850		435	12		
2.2	3			15	0.97	2850		480	14		
1.1	1.5	3*380		4"	3.0	0.82	2850	4500	425	10	
1.5	2.2				3.9	0.82	2850		432	11	
2.2	3.0				5.6	0.83	2850		492	14	
3.0	4.0				7.3	0.83	2850		581	19	
4.0	5.5				10.3	0.83	2850		621	21	
5.5	7.5				13	0.85	2850		740	25	
7.5	10				17.6	0.85	2850		880	31	
9.2	12.5		6"		21.1	0.81	2850		15500	753	38
11	15				25	0.82	2860			788	41.4
13	17.5			29.1	0.82	2860	818	44			
15	20			33	0.83	2860	868	58.3			
18.5	25			40	0.83	2860	30000	898	61.4		
22	30			47.2	0.83	2860		938	69		
26	35			55.4	0.84	2860		993	77		
30	40			64	0.84	2860		1053	84		