

# 4" Stainless Steel Borehole Motors

## 50Hz 2 Pole - Water filled



### Product Description (ss304)

Stainless steel submersible borehole motors manufactured from corrosion resistant stainless. Close coupled to NEMA standard submersible pump.

### Design Features

- ♦ Precision machined one piece stainless steel housings
- ♦ NEMA standard - suitable for assembly with same standard submersible pumps
- ♦ Copper bar rotor
- ♦ Stator re-windable - repairable
- ♦ No threaded joints
- ♦ Kingsbury style self-adjusting high thrust bearing (3 or more shoes)
- ♦ Dual lip seal prevents sand ingress
- ♦ Pressure equalizer
- ♦ Double flange design
- ♦ IP 68
- ♦ Suitable for brine and high PH
- ♦ 3-lead and 6-lead (wye - delta) configuration for 3 phase

### Special Options

- ♦ 316 SS construction for corrosive applications
- ♦ Semi stainless steel construction with gray cast iron housings and end cover
- ♦ Economical construction with stainless steel stator shell, gray cast iron housing, end cover and low carbon steel stator ends

### Operating Capacity

- ♦ Maximum number of starts per day - evenly distributed

Motor Rating		Max. Starts/24 hrs	
kW	HP	Single Phase	Three Phase
upto 0.55	upto 0.75	300	300
0.75 - 4	1 - 5.5	100	300
5.5 - 22	7.5 - 30	50	100
30 & over	40 & over	-	100

- ♦ Water temperature : 30°C
- ♦ Higher temperature application - derate motor by factor of

Max. Water Temperature	0.25 - 3.7 kW 0.3 - 5HP	5.5 - 22 kW 7.5 - 30HP	Over 22 kW Over 30HP
60°C	1.35	1.75	2.15
55°C	1.25	1.62	2.00
50°C	1.10	1.32	1.62
45°C	1.05	1.20	1.32
40°C	1.05	1.14	1.25

- ♦ Maximum Immersion Depth
  - 4" motor - 300 meters
  - 6" motor - 400 meters

\* We reserve the right to amend specification without prior notice.

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## 50Hz 2 Pole - Water filled



### Single Phase

- ♦ 0.37 kW (0.5 HP) - 2.2 kW (3.0 HP), 220/240V 50Hz 2880 rpm

### Three Phase

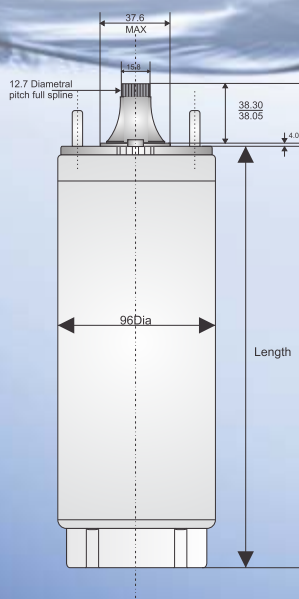
- ♦ 0.75 kW (1HP) - 5.5 kW (7.5HP), 380/450V 50Hz

### Application

The motors are built for operation in 4" diameter or larger wells. Continuous rating in 30°C (86F) water. Rotation: Single phase, CCW facing shaft end; three phase electrically reversible.



Green house, horticulture and sprinklers



### Ratings and Dimensions

Model	Name Plate Rating					Length in mm	Weight in KG
	HP	kW	Phase	Volts	Amps		
BH4M105	0.5	0.37	1Ph	220	4.2	625	20
BH4M1075	0.75	0.55	1Ph	220	6.1	625	20
BH4M110	1.0	0.75	1Ph	220	7.6	625	20
BH4M310	1.0	0.75	3Ph	380	2.0	625	20
BH4M115	1.5	1.1	1Ph	220	9.7	665	22.5
BH4M315	1.5	1.1	3Ph	380	3.0	665	22.5
BH4M120	2.0	1.5	1Ph	220	11.2	745	26
BH4M320	2.0	1.5	3Ph	380	4.0	745	26
BH4M130	3.0	2.2	1Ph	220	16.3	805	28.5
BH4M330	3.0	2.2	3Ph	380	6.0	745	26
BH4M340	4.0	3.0	3Ph	380	7.3	805	28.5
BH4M350	5.0	3.7	3Ph	380	9.0	845	30.5
BH4M360	6.0	4.5	3Ph	380	10.8	845	30.5
BH4M375	7.5	5.5	3Ph	380	13.0	945	35

# 6" Stainless Steel Borehole Motors

## 50Hz 2 Pole - Water filled



### Three Phase

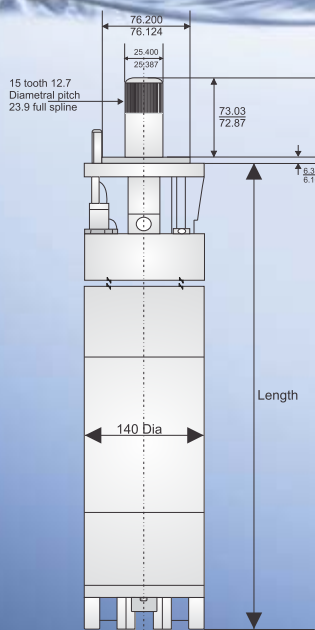
- ♦ 3.0 kW (4 HP) - 37 kW (50 HP), 380/415V 50Hz

### Application

The motors are built for operation in 6" diameter or larger wells. Continuous rating in 30°C (86F) water. Rotation is electrically reversible.



Agricultural application



### Ratings and Dimensions

Model	Name Plate Rating					Length in mm	Weight in KG
	HP	kW	Phase	Volts	Amps		
BH6M340	4.0	3.0	3Ph	380 to 450	8.0	625	42
BH6M350	5.0	3.7	3Ph	380	9.5	665	45
BH6M375	7.5	5.5	3Ph	380	13.5	765	57
BH6M310	10.0	7.5	3Ph	380	18.0	825	63
BH6M3125	12.5	9.3	3Ph	380	22.0	865	70
BH6M3150	15.0	11.0	3Ph	380	25.0	945	73
BH6M3175	17.5	13.1	3Ph	380	28.5	1025	78
BH6M3200	20.0	15.0	3Ph	380	33.0	1025	82
BH6M3225	22.5	16.5	3Ph	380	36.0	1065	88
BH6M3250	25.0	18.5	3Ph	380	40.0	1065	93
BH6M3300	30.0	22.0	3Ph	380	48.0	1100	98

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