

M8WS

Submersible Borehole Motors For 8" Well

Construction

Submersible borehole motors for 8"(200mm) deep well gives superior performance with greater reliability and durability. The high precise design ensures ease of installation and low cost of maintenance.

Operating Conditions

- Maximum water temperature : upto 35 °C
- Water Ph : 4 to 8
- Maximum immersion depth : 350m

Maximum number of starts

- Direct start : 15/hour
- Impedance start : 10/hour

Standard Voltage

- Three phase 440V up to 55 kW
- Voltage tolerances : +6% -15%
- Insulation category : B

Water filled motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- The stator stampings of the motor body are made up of special type material which can withstand all type of water corrosions

Special features and benefits

- Rotors are dynamically balanced for smooth operation
- High quality thrust bearings to withstanding axial stress
- Wounded motor body has been tested by using highly precise testing equipments
- Good performance even at high voltage fluctuations

MATERIAL SPECIFICATIONS

Components	Materials
Body	SS 304
Housings	Cast Iron FG 200
Rotor shaft	SS 420 (Hardened)
Thrust Bearing	Carbon, SS 410
Bearing Bush	LTB4
Seal	Oil Seal, Nitrile Rubber
Sand Guard	LTB2



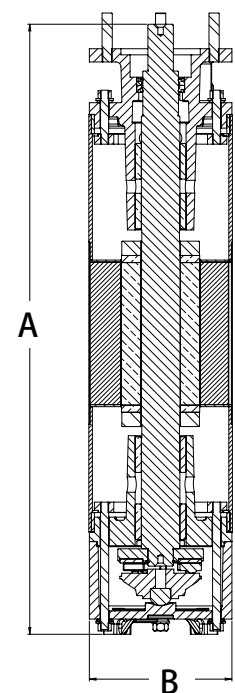
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Product Code	HP	kW	A	SPEED	POWER FACTOR			EFFICIENCY		
				RPM	4/4	3/4	2/4	4/4	3/4	2/4
M8WS75T5	10.0	7.5	19.5	2900	0.78	0.70	0.55	81	83	69
M8WS93T5	12.5	9.3	25.0		0.78	0.70	0.55	81	83	69
M8WS110T5	15.0	11.0	29.0		0.79	0.71	0.55	81	83	69
M8WS130T5	17.5	13.0	34.0		0.8	0.72	0.56	82	84	70
M8WS150T5	20.0	15.0	39.0		0.8	0.72	0.56	83	85	71
M8WS185T5	25.0	18.5	48.0		0.81	0.73	0.57	83	85	71
M8WS220T5	30.0	22.0	57.0		0.82	0.74	0.57	85	87	72
M8WS260T5	35.0	26.0	60.0		0.82	0.74	0.57	85	87	72
M8WS300T5	40.0	30.0	63.0		0.83	0.75	0.58	85	87	72
M8WS330T5	45.0	33.0	69.0		0.83	0.75	0.58	86	88	73
M8WS370T5	50.0	37.0	77.0		0.84	0.76	0.59	86	88	73
M8WS410T5	55.0	41.0	86.0		0.84	0.76	0.59	87	89	74
M8WS450T5	60.0	45.0	94.0		0.75	0.68	0.53	87	89	74
M8WS550T5	75.0	55.0	108.0		0.75	0.68	0.53	87	89	74

Dimensions, Weights and Cable Data

Product Code	P1		DIMENSIONS (mm)		CABLE DATA		WEIGHT
	HP	kW	A	B	Sec (mm ²)	L m	Kg
M8WS75T5	10.0	7.5	180	793	6.0	3	90
M8WS93T5	12.5	9.3	180	843	6.0	3	95
M8WS110T5	15.0	11.0	180	843	6.0	3	95
M8WS130T5	17.5	13.0	180	873	6.0	3	102
M8WS150T5	20.0	15.0	180	893	6.0	3	105
M8WS185T5	25.0	18.5	180	933	10.0	3	110
M8WS220T5	30.0	22.0	180	993	10.0	3	115
M8WS260T5	35.0	26.0	180	993	10.0	3	115
M8WS300T5	40.0	30.0	180	1043	10.0	3	122
M8WS330T5	45.0	33.0	180	1043	10.0	3	122
M8WS370T5	50.0	37.0	180	1043	10.0	3	122
M8WS410T5	55.0	41.0	180	1100	10.0	3	128
M8WS450T5	60.0	45.0	180	1173	10.0	3	132
M8WS550T5	75.0	55.0	180	1253	10.0	3	135



* M - Single Phase, T - Three Phase