

M8WC

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



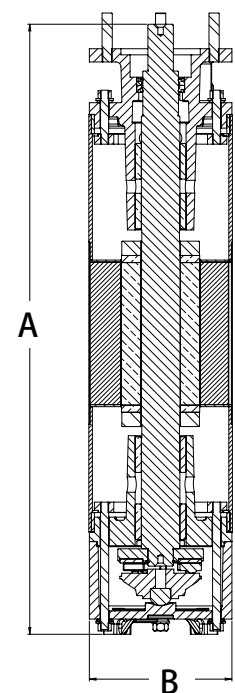
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Product Code	HP	kW	A	SPEED	POWER FACTOR			EFFICIENCY		
				RPM	4/4	3/4	2/4	4/4	3/4	2/4
M8WC75T5	10.0	7.5	19.5	2900	0.78	0.70	0.55	81	83	69
M8WC93T5	12.5	9.3	25.0		0.78	0.70	0.55	81	83	69
M8WC110T5	15.0	11.0	29.0		0.79	0.71	0.55	81	83	69
M8WC130T5	17.5	13.0	34.0		0.8	0.72	0.56	82	84	70
M8WC150T5	20.0	15.0	39.0		0.8	0.72	0.56	83	85	71
M8WC185T5	25.0	18.5	48.0		0.81	0.73	0.57	83	85	71
M8WC220T5	30.0	22.0	57.0		0.82	0.74	0.57	85	87	72
M8WC260T5	35.0	26.0	60.0		0.82	0.74	0.57	85	87	72
M8WC300T5	40.0	30.0	63.0		0.83	0.75	0.58	85	87	72
M8WC330T5	45.0	33.0	69.0		0.83	0.75	0.58	86	88	73
M8WC370T5	50.0	37.0	77.0		0.84	0.76	0.59	86	88	73
M8WC410T5	55.0	41.0	86.0		0.84	0.76	0.59	87	89	74
M8WC450T5	60.0	45.0	94.0		0.75	0.68	0.53	87	89	74
M8WC550T5	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
M8WC75T5	10.0	7.5	180	793	6.0	3	90
M8WC93T5	12.5	9.3	180	843	6.0	3	95
M8WC110T5	15.0	11.0	180	843	6.0	3	95
M8WC130T5	17.5	13.0	180	873	6.0	3	102
M8WC150T5	20.0	15.0	180	893	6.0	3	105
M8WC185T5	25.0	18.5	180	933	10.0	3	110
M8WC220T5	30.0	22.0	180	993	10.0	3	115
M8WC260T5	35.0	26.0	180	993	10.0	3	115
M8WC300T5	40.0	30.0	180	1043	10.0	3	122
M8WC330T5	45.0	33.0	180	1043	10.0	3	122
M8WC370T5	50.0	37.0	180	1043	10.0	3	122
M8WC410T5	55.0	41.0	180	1100	10.0	3	128
M8WC450T5	60.0	45.0	180	1173	10.0	3	132
M8WC550T5	75.0	55.0	180	1253	10.0	3	135



* M - Single Phase, T - Three Phase