

M6WC

Submersible Borehole Motors For 6" Well

Construction

Submersible borehole motors for 6"(150mm) deep well gives superior performance with greater reliability and durability. The highly 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 : 550m

Maximum number of starts

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

Standard Voltage

- Three phase 440V up to 22 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
- Motor assembly is closely monitored by high qualified and experienced quality assurance team at each level of process

MATERIAL SPECIFICATIONS

Components	Materials
Body	SS 304
Housings	CI FG 250
Rotor shaft	SS 420 (Hardened)
Thrust Bearing	Carbon, SS410
Seal	Oil Seal, Nitrile Rubber
Bush	LTB2



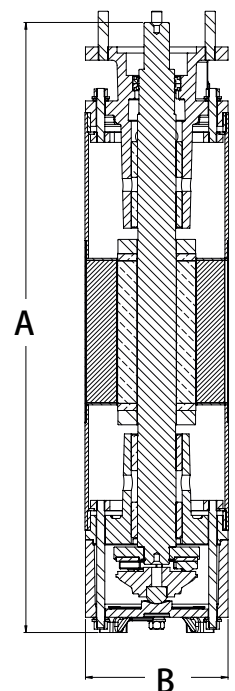
M6WC

Submersible Borehole Motors For 6" Well

Product Code	HP	kW	A	SPEED	POWER FACTOR			EFFICIENCY		
				RPM	4/4	3/4	2/4	4/4	3/4	2/4
M6WC15T5	2.0	1.5	4.5	2900	0.69	0.62	0.48	69	70	59
M6WC22T5	3.0	2.2	6.5		0.7	0.63	0.49	71	72	60
M6WC30T5	4.0	3.0	8.5		0.71	0.64	0.5	73	75	62
M6WC37T5	5.0	3.7	10.0		0.73	0.66	0.051	74	76	63
M6WC45T5	6.0	4.5	12.0		0.74	0.67	0.52	76	78	65
M6WC55T5	7.5	5.5	14.5		0.75	0.68	0.53	78	80	66
M6WC75T5	10.0	7.5	19.5		0.76	0.68	0.53	79	81	67
M6WC93T5	12.5	9.3	25.0		0.77	0.69	0.54	80	82	68
M6WC110T5	15.0	11.0	29.0		0.79	0.71	0.55	81	83	69
M6WC130T5	17.5	13.0	34.0		0.81	0.73	0.57	81.5	83	69
M6WC150T5	20.0	15.0	39.0		0.81	0.73	0.57	82	84	70
M6WC165T5	22.5	16.5	41.0		0.82	0.74	0.57	82	84	70
M6WC185T5	25.0	18.5	43.0		0.82	0.74	0.57	82	84	70
M6WC220T5	30.0	22.0	52.0		0.82	0.74	0.57	82	84	70

Dimensions, Weights and Cable Data

Product Code	P1		DIMENSIONS (mm)		CABLE DATA		WEIGHT
	HP	kW	A	B	Sec (mm ²)	L m	Kg
M6WC15T5	2.0	1.5	142	565	2.5	3	42
M6WC22T5	3.0	2.2	142	565	2.5	3	42
M6WC30T5	4.0	3.0	142	565	2.5	3	42
M6WC37T5	5.0	3.7	142	565	2.5	3	44
M6WC45T5	6.0	4.5	142	615	2.5	3	46
M6WC55T5	7.5	5.5	142	655	2.5	3	48
M6WC75T5	10.0	7.5	142	765	4.0	3	58
M6WC93T5	12.5	9.3	142	765	4.0	3	63
M6WC110T5	15.0	11.0	142	795	4.0	3	66
M6WC130T5	17.5	13.0	142	845	4.0	3	68
M6WC150T5	20.0	15.0	142	885	4.0	3	72
M6WC165T5	22.5	16.5	142	925	4.0	3	76
M6WC185T5	25.0	18.5	142	925	4.0	3	76
M6WC220T5	30.0	22.0	142	965	4.0	3	82



* M - Single Phase, T - Three Phase