

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase
Product code : 12922411
Catalog # : 00518OT3H184JM-SG

Frame	: 182/4JM	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 5.06 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 36.5 A	Mounting	: F-1
LRC	: 7.2x(Code J)	Rotation ¹	: Both (CW and CCW)
No load current	: 2.52 A	Noise level ²	: 55.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %		
Rated torque	: 14.7 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 310 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4003 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	87.5	88.5	88.5	89.5
Power Factor	0.38	0.63	0.76	0.82

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	19/01/2018			

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