

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase  
Product code : 12682537  
Catalog # : 00336OT3H145JM-S

Frame	: 143/5JM				Locked rotor time	: 16s (cold) 9s (hot)
Output	: 3 HP (2.2 kW)				Temperature rise	: 80 K
Poles	: 2				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	: 2.87 A				Cooling method	: IC01 - ODP
L. R. Amperes	: 23.0 A				Mounting	: F-1
LRC	: 8.0x(Code J)				Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 1.04 A				Noise level <sup>2</sup>	: 62.0 dB(A)
Rated speed	: 3480 rpm				Starting method	: Direct On Line
Slip	: 3.33 %					
Rated torque	: 4.47 ft.lb					
Locked rotor torque	: 229 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1279 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	83.7	84.0	85.5	85.5		
Power Factor	0.50	0.76	0.86	0.90		

### 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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