

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Three-Phase Product code : 12676619
Catalog # : 00236OS3HJP56J-S

Frame	: 56HJ	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 2 HP (1.5 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	: 2.26 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 15.8 A	Mounting	: F-1
LRC	: 7.0x(Code J)	Rotation ¹	: CCW
No load current	: 1.04 A	Noise level ²	: 62.0 dB(A)
Rated speed	: 3470 rpm	Starting method	: Direct On Line
Slip	: 3.61 %		
Rated torque	: 2.99 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.20		
Moment of inertia (J)	: 0.0774 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	76.7	77.0	78.5	78.5
Power Factor	0.41	0.66	0.79	0.85

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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