

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Single-Phase Product code : 13675105  
Catalog # : 00136OS1BJP56J-S

Frame	: 56J	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 12.8/7.08-6.40 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 88.3/48.9-44.2 A	Mounting	: F-1
LRC	: 6.9x(Code M)	Rotation <sup>1</sup>	: CCW
No load current	: 8.40/3.62-4.20 A	Noise level <sup>2</sup>	: 58.0 dB(A)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight <sup>3</sup>	: 26.7 lb
Rated torque	: 1.50 ft.lb		
Locked rotor torque	: 260 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.40		
Moment of inertia (J)	: 0.0472 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	57.4	60.0	65.0	68.0	Max. traction	: 28 lb
Power Factor	0.32	0.55	0.67	0.75	Max. compression	: 54 lb

	Drive end	Non drive end
Bearing type	: 6203 2RS	: 6202 2RS
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	: Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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	27/03/2024			

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Revision