

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel Jet Pump - J type Single-Phase		Product code : 13632313		Catalog # : 00236OS1BJPR56J-S	
Frame : 56J	Output : 2 HP (1.5 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 115/208-230 V	
Rated current : 21.8/12.1-10.9 A	L. R. Amperes : 170/94.0-85.0 A	LRC : 7.8x(Code L)	No load current : 12.6/5.43-6.30 A	Rated speed : 3490 rpm	
Slip : 3.06 %	Rated torque : 3.01 ft.lb	Locked rotor torque : 250 %	Breakdown torque : 260 %	Insulation class : F	
Service factor : 1.20	Moment of inertia (J) : 0.0747 sq.ft.lb	Design : L	Locked rotor time : 10s (cold) 6s (hot)	Temperature rise : 80 K	
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	
			Altitude : 1000 m.a.s.l.	Cooling method : IC01 - ODP	
			Mounting : F-1	Rotation <sup>1</sup> : CCW	
			Noise level <sup>2</sup> : 58.0 dB(A)	Starting method : Direct On Line	
			Approx. weight <sup>3</sup> : 37.7 lb		
Output	25%	50%	75%	100%	
Efficiency (%)	66.4	69.0	72.0	75.0	
Power Factor	0.35	0.60	0.72	0.80	
Foundation loads				Max. traction : 58 lb	
				Max. compression : 95 lb	
		<u>Drive end</u>	<u>Non drive end</u>		
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			Page	Revision
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