

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel Jet Pump - J type Standard Efficiency Three-Phase		Product code : 14497837			
		Catalog # : 00236OS3HJPR56J-S			
Frame	: 56J	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 <sup>1</sup>	: CCW		
No load current	: 1.04 A	Noise level <sup>2</sup>	: 62.0 dB(A)		
Rated speed	: 3470 rpm	Starting method	: Direct On Line		
Slip	: 3.61 %	Approx. weight <sup>3</sup>	: 27.1 lb		
Rated torque	: 3.03 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	
			Foundation loads		
			Max. traction	: 60 lb	
			Max. compression	: 88 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
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