

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel Jet Pump - J type Single-Phase		Product code : 14003003		Catalog # : .5036ES1BJPRW56J-S
Frame : W56J	Output : 0.5 HP (0.37 kW)	Poles : 2	Frequency : 60 Hz	Rated voltage : 115/208-230 V
Rated current : 7.00/3.87-3.50 A	L. R. Amperes : 56.0/31.0-28.0 A	LRC : 8.0x(Code P)	No load current : 4.80/2.07-2.40 A	Rated speed : 3500 rpm
Slip : 2.78 %	Rated torque : 0.750 ft.lb	Locked rotor torque : 290 %	Breakdown torque : 300 %	Insulation class : F
Service factor : 1.15	Moment of inertia (J) : 0.0233 sq.ft.lb	Design : N	Locked rotor time : 12s (cold) 7s (hot)	Temperature rise : 80 K
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C
			Altitude : 1000 m.a.s.l.	Protection degree : IP55
			Cooling method : IC411 - TEFC	Mounting : F-1
			Rotation <sup>1</sup> : CCW	Noise level <sup>2</sup> : 66.0 dB(A)
			Starting method : Direct On Line	Approx. weight <sup>3</sup> : 20.5 lb
Output	25%	50%	75%	100%
Efficiency (%)	48.1	50.0	58.0	60.0
Power Factor	0.34	0.59	0.69	0.76
Foundation loads				Max. traction : 11 lb
				Max. compression : 32 lb
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type :	6203 2RS		6202 2RS	
Sealing :	V'Ring		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
Performed by				
Checked by			Page	Revision
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