

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase

Product code : 13838106

Catalog # : .3336OS1BJPRW56C-S

Frame : W56C
 Output : 0.33 HP (0.25 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 5.00/2.76-2.50 A
 L. R. Amperes : 37.0/20.4-18.5 A
 LRC : 7.4x(Code P)
 No load current : 3.40/1.47-1.70 A
 Rated speed : 3500 rpm
 Slip : 2.78 %
 Rated torque : 0.495 ft.lb
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.75
 Moment of inertia (J) : 0.0190 sq.ft.lb
 Design : N

Locked rotor time : 14s (cold) 8s (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
 Rotation¹ : CCW
 Noise level² : 56.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 23.0 lb

Output	25%	50%	75%	100%
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Efficiency (%)	46.6	49.0	56.0	59.0
Power Factor	0.33	0.57	0.66	0.74

Foundation loads

Max. traction : 3 lb
 Max. compression : 26 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		