

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Standard
Efficiency Three-Phase

Product code : 12676616

Catalog # : 00156OS3EJP56J-S

Frame : 56J
Output : 1.5 HP (1.1 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.22/2.11 A
L. R. Amperes : 28.7/14.3 A
LRC : 6.8x(Code J)
No load current : 2.20/1.10 A
Rated speed : 3460 rpm
Slip : 3.89 %
Rated torque : 2.28 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.30
Moment of inertia (J) : 0.0648 sq.ft.lb
Design : A

Locked rotor time : 30s (cold) 17s (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 : 62.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 25.5 lb

Output	25%		50%		75%		100%	
Efficiency (%)	73.5	78.4	74.0	76.3	77.0	76.8	77.0	73.9
	72.5		72.6		75.8		75.3	
Power Factor	0.39	0.45	0.65	0.74	0.78	0.86	0.85	0.91
	0.35		0.62		0.76		0.85	

Foundation loads
Max. traction : 50 lb
Max. compression : 75 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		