

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 12676613

Catalog # : .7536OS3EJP56J-S

Frame : 56J
Output : 0.75 HP (0.55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 2.74-2.48/1.24 A
L. R. Amperes : 17.0-15.4/7.69 A
LRC : 6.2x(Code K)
No load current : 1.38-1.60/0.800 A
Rated speed : 3475 rpm
Slip : 3.47 %
Rated torque : 1.13 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.50
Moment of inertia (J) : 0.0453 sq.ft.lb

Locked rotor time : 48s (cold) 27s (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 : 21.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	62.4	66.4	64.0	67.6	68.5	69.4	70.0	70.3
	59.4		62.1		66.6		69.8	
Power Factor	0.33	0.39	0.57	0.66	0.70	0.80	0.79	0.87
	0.30		0.54		0.69		0.79	

Foundation loads
Max. traction : 21 lb
Max. compression : 43 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
			Revision	