

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14804681

Catalog # : 00236ET3EJP56J-S

Frame : 56HJ
Output : 2 HP (1.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.94/2.47 A
L. R. Amperes : 48.9/24.5 A
LRC : 9.9x(Code L)
No load current : 2.13/1.06 A
Rated speed : 3520 rpm
Slip : 2.22 %
Rated torque : 2.98 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1279 sq.ft.lb
Design : B

Locked rotor time : 23s (cold) 13s (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
Rotation¹ : CCW
Noise level² : 68.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 40.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	82.1	84.8	82.5	84.0	85.5	84.6	85.5	83.3
	83.3		83.3		84.9		84.5	
Power Factor	0.45	0.51	0.73	0.79	0.83	0.88	0.89	0.92
	0.45		0.73		0.84		0.89	

Foundation loads
Max. traction : 100 lb
Max. compression : 141 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	Date
Performed by		Page 1 / 1		
Checked by				
Date	27/03/2024			
			Revision	