

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Three-Phase

Product code : 10856910

Frame	: B56J	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.56 A	Protection degree	: IP55
L. R. Amperes	: 13.3 A	Cooling method	: IC411 - TEFC
LRC	: 8.5x(Code K)	Mounting	: F-1
No load current	: 0.688 A	Rotation ¹	: CCW
Rated speed	: 3440 rpm	Starting method	: Direct On Line
Slip	: 4.44 %	Approx. weight ³	: 30.9 lb
Rated torque	: 2.29 ft.lb		
Locked rotor torque	: 450 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0510 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	73.6	76.0	80.0	82.5
Power Factor	0.46	0.72	0.82	0.88

Foundation loads	
Max. traction	: 63 lb
Max. compression	: 94 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	V'Ring
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	