

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10781711

Frame	: B56J	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 7.60/3.80-3.80 A	Protection degree	: IP55
L. R. Amperes	: 42.6/21.3-21.3 A	Cooling method	: IC411 - TEFC
LRC	: 5.6x(Code L)	Mounting	: F-1
No load current	: 5.60/2.41-2.80 A	Rotation ¹	: CCW
Rated speed	: 3480 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 0.754 ft.lb	Approx. weight ³	: 25.8 lb
Locked rotor torque	: 320 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0316 sq.ft.lb		

Output	25%	50%	75%	100%
Efficiency (%)	41.2	45.0	52.0	58.0
Power Factor	0.33	0.56	0.66	0.73

Foundation loads	
Max. traction	: 7 lb
Max. compression	: 33 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	