

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10744758

Frame	: B56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.33 HP (0.25 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	: 5.70/2.70-2.85 A	Protection degree	: IP55
L. R. Amperes	: 33.1/15.7-16.5 A	Cooling method	: IC411 - TEFC
LRC	: 5.8x(Code N)	Mounting	: F-1
No load current	: 4.40/1.90-2.20 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3490 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 0.497 ft.lb	Approx. weight ³	: 23.5 lb
Locked rotor torque	: 370 %		
Breakdown torque	: 320 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0278 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	37.3	40.0	49.0	53.0	Max. traction	: 3 lb
Power Factor	0.32	0.56	0.64	0.70	Max. compression	: 27 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 Revision 1 / 1		
Checked by				
Date	27/03/2024			