

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 11127287

Frame : B56C
Output : 0.33 HP (0.25 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 5.70/2.70-2.85 A
L. R. Amperes : 33.1/15.7-16.5 A
LRC : 5.8x(Code N)
No load current : 4.40/1.90-2.20 A
Rated speed : 3490 rpm
Slip : 3.06 %
Rated torque : 0.497 ft.lb
Locked rotor torque : 370 %
Breakdown torque : 320 %
Insulation class : B
Service factor : 1.15
Moment of inertia (J) : 0.0278 sq.ft.lb

Locked rotor time : 10s (cold) 6s (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 : Both (CW and CCW)
Noise level² : 55.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 24.1 lb

Output	25%	50%	75%	100%
Efficiency (%)	37.3	40.0	49.0	53.0
Power Factor	0.32	0.56	0.64	0.70

Foundation loads
Max. traction : 3 lb
Max. compression : 27 lb

	Drive end	Non drive end
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		