

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10577818

Frame : D56
 Output : 1.5 HP (1.1 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 17.1/8.80-8.55 A
 L. R. Amperes : 116/59.8-58.1 A
 LRC : 6.8x(Code K)
 No load current : 10.8/4.66-5.40 A
 Rated speed : 3480 rpm
 Slip : 3.33 %
 Rated torque : 2.26 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 250 %
 Insulation class : B
 Service factor : 1.15
 Moment of inertia (J) : 0.0593 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 : 34.1 lb

Output	25%	50%	75%	100%
Efficiency (%)	60.7	62.0	69.0	70.0
Power Factor	0.35	0.61	0.72	0.80

Foundation loads
 Max. traction : 38 lb
 Max. compression : 72 lb

	Drive end	Non drive end
Bearing type	6204 ZZ	6202 ZZ
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	25/03/2024			
		Revision		