

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 14534044
Catalog # : 00218OT1B56CFL-S

Frame : 56C
Output : 2 HP (1.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 17.7/9.50-8.87 A
L. R. Amperes : 115/61.7-57.7 A
LRC : 6.5x(Code H)
No load current : 6.20/2.67-3.10 A
Rated speed : 1730 rpm
Slip : 3.89 %
Rated torque : 6.07 ft.lb
Locked rotor torque : 290 %
Breakdown torque : 225 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1614 sq.ft.lb
Design : L

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 50.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	82.2	83.0	84.0	84.5
Power Factor	0.49	0.75	0.83	0.87

Foundation loads
Max. traction : 109 lb
Max. compression : 159 lb

	Drive end	Non drive end
Bearing type	6204 ZZ	6202 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
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 / 1Revision		
Checked by				
Date	26/03/2024			