DATA SHEET

Single Phase Induction Motor - Squirrel Cage



 Customer
 :

 Product line
 : ROLLED STEEL
 Product code : Catalog # : 001180T1B56CFL-S

 Frame
 : 56C
 Locked rotor time
 : 27s (cold) 15s (hot)

Output : 1 HP (0.75 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 115/208-230 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 9.00/4.98-4.50 A Cooling method : IC01 - ODP L. R. Amperes : 75.6/41.8-37.8 A Mounting : F-1

LRC : 8.4x(Code K) Rotation¹ : Both (CW and CCW)
No load current : 3.40/1.47-1.70 A Noise level² : 52.0 dB(A)
Rated speed : 1750 rpm Starting method : Direct On Line

Slip : 2.78 % Approx. weight³ : 16.2 kg
Rated torque : 0.415 kgfm
Locked rotor torque : 260 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15

Design : L 25% 50% 100% Output 75% Foundation loads Efficiency (%) 72.6 75.0 0.08 82.6 Max. traction : 25 kgf Power Factor : 41 kgf 0.50 0.75 0.83 0.87 Max. compression

Bearing type : 6204 ZZ 6202 ZZ
Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : - -

Lubricant amount : - -

Lubricant type : Mobil Polyrex EM

: 0.0052 kgm²

Notes

Moment of inertia (J)

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.

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Rev.	Changes Summary		Performed	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	24/04/2023				1/1	