

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : ROLLED STEEL

Product code : 14818118

Frame : 56C
 Output : 1 HP (0.75 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 8.60/4.75-4.30 A
 L. R. Amperes : 72.2/39.9-36.1 A
 LRC : 8.4x(Code K)
 No load current : 2.60/1.12-1.30 A
 Rated speed : 3510 rpm
 Slip : 2.50 %
 Rated torque : 0.207 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 0.0023 kgm²
 Design : N

Locked rotor time : 28s (cold) 16s (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 : 58.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 13.5 kg

Output	25%	50%	75%	100%
Efficiency (%)	65.5	69.0	76.0	80.4
Power Factor	0.64	0.89	0.93	0.94

Foundation loads
 Max. traction : 13 kgf
 Max. compression : 26 kgf

	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		Revision
Checked by		1 / 1		
Date	24/04/2023			