

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 14014000

Catalog # : 00118OT3J56-S

Frame : 56
Output : 1 HP (0.75 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 380/660 V
Rated current : 1.90/1.09 A
L. R. Amperes : 14.4/8.28 A
LRC : 7.6x(Code L)
No load current : 1.33/0.767 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 2.98 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0854 sq.ft.lb
Design : A

Locked rotor time : 30s (cold) 17s (hot)
Temperature rise : 70 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +50°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 : 26.9 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 78.5 82.5 83.5
Power Factor 0.00 0.49 0.63 0.72

Foundation loads

Max. traction : 80 lb
Max. compression : 107 lb

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	0 h	0 h
Lubricant amount :	0 g	0 g
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 Revision		
Checked by				
Date	27/03/2024			