

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809700

Catalog # : 00218OT3H56CFL-S

Frame : 56C
 Output : 2 HP (1.5 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 575 V
 Rated current : 2.15 A
 L. R. Amperes : 16.6 A
 LRC : 7.7x(Code K)
 No load current : 1.10 A
 Rated speed : 1740 rpm
 Slip : 3.33 %
 Rated torque : 6.04 ft.lb
 Locked rotor torque : 260 %
 Breakdown torque : 320 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1168 sq.ft.lb
 Design : A

Locked rotor time : 30s (cold) 17s (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 : 36.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	85.2	85.5	86.5	86.5
Power Factor	0.36	0.61	0.74	0.81

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Foundation loads

Max. traction : 171 lb
 Max. compression : 208 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 / 1		
Checked by				
Date	27/03/2024			
		Revision		