

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 14014002

Catalog # : 00158OT3J56-S

Frame : 56H  
Output : 1.5 HP (1.1 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 380/660 V  
Rated current : 2.54/1.46 A  
L. R. Amperes : 22.4/12.8 A  
LRC : 8.8x(Code L)  
No load current : 1.57/0.906 A  
Rated speed : 1760 rpm  
Slip : 2.22 %  
Rated torque : 4.48 ft.lb  
Locked rotor torque : 290 %  
Breakdown torque : 350 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1305 sq.ft.lb  
Design : A

Locked rotor time : 25s (cold) 14s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 52.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 37.5 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	84.0	85.5	86.5
Power Factor	0.00	0.53	0.66	0.76

Foundation loads

Max. traction : 135 lb  
Max. compression : 172 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		
Checked by				
Date	27/03/2024			
		Revision		