

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12812247

Catalog # : 00336OT3E56C-S

Frame : 56HC  
 Output : 3 HP (2.2 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 230/460 V  
 Rated current : 7.18/3.59 A  
 L. R. Amperes : 57.4/28.7 A  
 LRC : 8.0x(Code J)  
 No load current : 2.60/1.30 A  
 Rated speed : 3480 rpm  
 Slip : 3.33 %  
 Rated torque : 4.53 ft.lb  
 Locked rotor torque : 229 %  
 Breakdown torque : 300 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 0.1279 sq.ft.lb  
 Design : A

Locked rotor time : 16s (cold) 9s (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  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 62.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 39.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	83.7	89.4	84.0	86.6	85.5	85.0	85.5	81.8
	87.7		86.2		85.9		83.9	
Power Factor	0.50	0.56	0.76	0.83	0.86	0.90	0.90	0.93
	0.48		0.76		0.86		0.91	

Foundation loads  
 Max. traction : 126 lb  
 Max. compression : 166 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				
Checked by				
Date	27/03/2024			

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 Revision