

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13089807

Catalog # : 00318OT3E56Z-S

Frame : 56HZ  
 Output : 3 HP (2.2 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 208-230/460 V  
 Rated current : 8.79-7.94/3.97 A  
 L. R. Amperes : 66.8-60.3/30.2 A  
 LRC : 7.6x(Code K)  
 No load current : 3.62-4.20/2.10 A  
 Rated speed : 1735 rpm  
 Slip : 3.61 %  
 Rated torque : 9.08 ft.lb  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 0.1424 sq.ft.lb  
 Design : A

Locked rotor time : 21s (cold) 12s (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> : 52.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 43.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	86.5	86.5	86.9
Power Factor	0.00	0.59	0.72	0.80

Foundation loads

Max. traction : 246 lb  
 Max. compression : 289 lb

	Drive end	Non drive end
Bearing type	6205 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		