

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809605

Catalog # : .7536OT3E56-S

Frame : 56  
Output : 0.75 HP (0.55 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 208-230/460 V  
Rated current : 2.52-2.28/1.14 A  
L. R. Amperes : 16.4-14.8/7.41 A  
LRC : 6.5x(Code J)  
No load current : 1.12-1.30/0.650 A  
Rated speed : 3485 rpm  
Slip : 3.19 %  
Rated torque : 1.13 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 280 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.0453 sq.ft.lb

Locked rotor time : 59s (cold) 33s (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> : 18.9 lb

Output	25%		50%		75%		100%	
Efficiency (%)	65.5	70.8	68.0	70.9	74.0	74.2	76.8	73.6
	64.3		66.0		71.6		73.2	
Power Factor	0.35	0.41	0.57	0.66	0.70	0.79	0.79	0.86
	0.30		0.55		0.69		0.79	

Foundation loads  
Max. traction : 25 lb  
Max. compression : 44 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 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	