

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13037126  
Catalog # : .7518OT1B56-S

Frame : 56  
Output : 0.75 HP (0.55 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 115/208-230 V  
Rated current : 6.80/3.76-3.40 A  
L. R. Amperes : 54.4/30.1-27.2 A  
LRC : 8.0x(Code K)  
No load current : 2.96/1.28-1.48 A  
Rated speed : 1750 rpm  
Slip : 2.78 %  
Rated torque : 2.25 ft.lb  
Locked rotor torque : 260 %  
Breakdown torque : 250 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.0973 sq.ft.lb  
Design : A

Locked rotor time : 36s (cold) 20s (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> : 30.5 lb

Output	25%	50%	75%	100%
Efficiency (%)	71.4	74.0	79.0	81.8
Power Factor	0.47	0.74	0.82	0.86

Foundation loads  
Max. traction : 40 lb  
Max. compression : 70 lb

	Drive end	Non drive end
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	26/03/2024			
		Revision		