

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13209421  
Catalog # : 00156OT1B56-S

Frame : 56  
Output : 1.5 HP (1.1 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 115/208-230 V  
Rated current : 13.3/6.90-6.65 A  
L. R. Amperes : 102/53.1-51.2 A  
LRC : 7.7x(Code J)  
No load current : 3.20/1.38-1.60 A  
Rated speed : 3500 rpm  
Slip : 2.78 %  
Rated torque : 2.22 ft.lb  
Locked rotor torque : 260 %  
Breakdown torque : 270 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.0629 sq.ft.lb  
Design : L

Locked rotor time : 18s (cold) 10s (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> : 58.0 dB(A)  
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	70.6	73.0	79.0	81.5
Power Factor	0.66	0.88	0.89	0.89

### 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).  
(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 Revision 1 /		
Checked by				
Date	24/01/2018			