

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00021 Single-Phase      Product code : 14177687  
Catalog # : 00218OT1BRBO56H-S

Frame	: 56H	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 18.6/10.3-9.30 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 141/78.3-70.7 A	Mounting	: F-1
LRC	: 7.6x(Code K)	Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 8.00/3.45-4.00 A	Noise level <sup>2</sup>	: 52.0 dB(A)
Rated speed	: 1740 rpm	Starting method	: Direct On Line
Slip	: 3.33 %		
Rated torque	: 5.96 ft.lb		
Locked rotor torque	: 260 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1614 sq.ft.lb		
Design	: L		

Output	50%	75%	100%
Efficiency (%)	77.0	82.0	84.5
Power Factor	0.68	0.78	0.83

### 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	19/01/2018			