

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00021 Single-Phase Product code : 13248667
Catalog # : 00158OT1BRBO56-S

Frame	: 56H	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 1.5 HP (1.1 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	: 13.6/7.52-6.80 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 109/60.2-54.4 A	Mounting	: F-1
LRC	: 8.0x(Code K)	Rotation ¹	: Both (CW and CCW)
No load current	: 6.40/2.76-3.20 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1745 rpm	Starting method	: Direct On Line
Slip	: 3.06 %		
Rated torque	: 4.45 ft.lb		
Locked rotor torque	: 260 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1362 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%
Efficiency (%)	73.4	76.0	81.0	83.8
Power Factor	0.45	0.72	0.81	0.84

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			