

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Fan and Exhaust 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	: 13.0/7.52-6.49 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 105/60.9-52.6 A	Mounting	: F-1
LRC	: 8.1x(Code K)	Rotation ¹	: Both (CW and CCW)
No load current	: 4.90/2.11-2.45 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1740 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight ³	: 48.7 lb
Rated torque	: 4.53 ft.lb		
Locked rotor torque	: 320 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1362 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	79.4	80.5	83.0	83.8	Max. traction	: 78 lb
Power Factor	0.51	0.78	0.85	0.88	Max. compression	: 126 lb

	Drive end	Non drive end
Bearing type	: 6204 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 Revision		
Checked by				
Date	26/03/2024			