

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Fan and Exhaust Single-Phase Product code : 14590194
Catalog # : 00118OS1BRBFO56-S

Frame	: 56	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 70 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +50°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.5/7.46-6.75 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 90.5/50.0-45.2 A	Mounting	: F-1
LRC	: 6.7x(Code M)	Rotation ¹	: Both (CW and CCW)
No load current	: 9.60/4.14-4.80 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1745 rpm	Starting method	: Direct On Line
Slip	: 3.06 %	Approx. weight ³	: 34.2 lb
Rated torque	: 3.01 ft.lb		
Locked rotor torque	: 270 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0973 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	60.0	68.0	71.0	Max. traction	: 62 lb
Power Factor	0.00	0.48	0.60	0.68	Max. compression	: 97 lb

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6202 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 0 h	: 0 h
Lubricant amount	: 0 g	: 0 g
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				
Checked by				
Date	28/03/2024			
		Page		Revision
		1 / 1		