

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00021 Single-Phase

Product code : 16213026
Catalog # : 00158AS1BPF56-S

Frame	: 56	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 105 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	: 14.1/7.50-7.03 A	Protection degree	: IP55
L. R. Amperes	: 98.7/52.5-49.2 A	Cooling method	: IC418 - TEAO
LRC	: 7.0x(Code J)	Mounting	: F-1
No load current	: 7.00/2.65-3.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1730 rpm	Starting method	: Direct On Line
Slip	: 3.89 %	Approx. weight ³	: 52.3 lb
Rated torque	: 4.55 ft.lb		
Locked rotor torque	: 260 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1092 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	72.0	78.3	80.0	Max. traction	: 90 lb
Power Factor	0.00	0.70	0.80	0.85	Max. compression	: 142 lb

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	