

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: General Single-Phase				Product code :	13009143
					Catalog # :	00158ES1BOF56C
Frame	: F56HC	Locked rotor time	: 10s (cold) 6s (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	: 17.4/8.70-8.68 A	Protection degree	: IP55			
L. R. Amperes	: 113/56.5-56.4 A	Cooling method	: IC411 - TEFC			
LRC	: 6.5x(Code K)	Mounting	: F-1			
No load current	: 11.8/0.000-5.90 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)			
Slip	: 2.78 %	Starting method	: Direct On Line			
Rated torque	: 4.50 ft.lb	Approx. weight ³	: 47.0 lb			
Locked rotor torque	: 280 %					
Breakdown torque	: 260 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1955 sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	70.0	75.0	76.5	Max. traction	: 91 lb
Power Factor	0.00	0.52	0.64	0.72	Max. compression	: 138 lb
					Drive end	Non drive end
Bearing type	:	6204 ZZ	6203 ZZ			
Sealing	:	V'Ring	V'Ring			
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					Page	Revision
Date	25/03/2024				1 / 1	