

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code :

13009143

Catalog # :

00158ES1BOF56C

Frame : F56HC  
Output : 1.5 HP (1.1 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 115/208-230 V  
Rated current : 17.4/8.70-8.68 A  
L. R. Amperes : 113/56.5-56.4 A  
LRC : 6.5x(Code K)  
No load current : 11.8/0.000-5.90 A  
Rated speed : 1750 rpm  
Slip : 2.78 %  
Rated torque : 4.50 ft.lb  
Locked rotor torque : 280 %  
Breakdown torque : 260 %  
Insulation class : B  
Service factor : 1.15  
Moment of inertia (J) : 0.1955 sq.ft.lb

Locked rotor time : 10s (cold) 6s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 47.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	70.0	75.0	76.5
Power Factor	0.00	0.52	0.64	0.72

Foundation loads

Max. traction : 91 lb  
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		Page 1 / 1		
Checked by				
Date	25/03/2024			
		Revision		