

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13245415
Catalog # : 00158ES1B56C-S

Frame : 56HC
Output : 1.5 HP (1.1 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 15.0/8.27-7.48 A
L. R. Amperes : 120/66.2-59.8 A
LRC : 8.0x(Code L)
No load current : 8.60/3.71-4.30 A
Rated speed : 1745 rpm
Slip : 3.06 %
Rated torque : 4.51 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1426 sq.ft.lb
Design : L

Locked rotor time : 14s (cold) 8s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 54.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 47.9 lb

Output	50%	75%	100%
Efficiency (%)	69.0	75.0	77.0
Power Factor	0.68	0.78	0.83

Foundation loads
Max. traction : 96 lb
Max. compression : 143 lb

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