

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 11690091
Catalog # : .5018ES1BCH56

Frame : B56
Output : 0.5 HP (0.37 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 8.00/3.80-4.00 A
L. R. Amperes : 40.0/19.0-20.0 A
LRC : 5.0x(Code L)
No load current : 6.40/0.000-3.20 A
Rated speed : 1750 rpm
Slip : 2.78 %
Rated torque : 1.50 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 280 %
Insulation class : B
Service factor : 1.15
Moment of inertia (J) : 0.0973 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
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 23.5 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	54.0	62.0	65.0
Power Factor	0.00	0.46	0.57	0.64

Foundation loads
Max. traction : 29 lb
Max. compression : 53 lb

	Drive end	Non drive end
Bearing type	6203 ZZ	6202 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		