

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase Split Phase with Resilient Base

Product code : 11432520

Frame : C48
 Output : 0.33 HP (0.25 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 6.25/3.10-3.13 A
 L. R. Amperes : 40.0/19.8-20.0 A
 LRC : 6.4x(Code P)
 No load current : 5.16/2.22-2.58 A
 Rated speed : 1735 rpm
 Slip : 3.61 %
 Rated torque : 0.999 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Insulation class : B
 Service factor : 1.35
 Moment of inertia (J) : 0.0401 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 : IP21
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Starting method : Direct On Line
 Approx. weight³ : 24.4 lb

Output	25%	50%	75%	100%
Efficiency (%)	44.6	48.0	55.0	60.0
Power Factor	0.23	0.41	0.50	0.57

Foundation loads
 Max. traction : 17 lb
 Max. compression : 41 lb

	Drive end	Non drive end
Bearing type	6203 ZZ	6202 ZZ
Sealing	Without Bearing Seal	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 Revision		
Checked by				
Date	28/03/2024			