

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 14419167

Catalog # : 1218OS1B48CH-S

Frame : 48
 Output : 0.12 HP (0.09 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 2.84/1.57-1.42 A
 L. R. Amperes : 13.6/7.54-6.82 A
 LRC : 4.8x(Code P)
 No load current : 2.60/1.12-1.30 A
 Rated speed : 1740 rpm
 Slip : 3.33 %
 Rated torque : 0.362 ft.lb
 Locked rotor torque : 330 %
 Breakdown torque : 310 %
 Insulation class : F
 Service factor : 1.40
 Moment of inertia (J) : 0.0240 sq.ft.lb
 Design : N

Locked rotor time : 46s (cold) 26s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 50.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 13.7 lb

Output	25%	50%	75%	100%
Efficiency (%)	34.0	37.0	45.0	50.0
Power Factor	0.23	0.41	0.48	0.55

Foundation loads
 Max. traction : 5 lb
 Max. compression : 19 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		
Checked by				
Date	25/03/2024			
		Revision		