DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer Product line : Rolled Steel Fan and Exhaust Single-Phase Product code: 14590196 Catalog #: .1618OS1ASPRB48Z-S Frame : 48Z Locked rotor time : 10s (cold) 6s (hot) : 0.16 HP (0.12 kW) Output Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 115 V Altitude : 1000 m.a.s.l. Rated current : 3.04 A Cooling method : IC01 - ODP L. R. Amperes : 18.8 A Mounting : F-1 : Both (CW and CCW) LRC : 6.2x(Code P) Rotation¹ No load current : 2.80 A Starting method : Direct On Line Rated speed : 1725 rpm Approx. weight3 : 16.1 lb Slip : 4.17 % Rated torque : 0.487 ft.lb Locked rotor torque : 130 % Breakdown torque : 270 % Insulation class : F Service factor : 1.35 Design : N 25% 50% 75% 100% Foundation loads Output Efficiency (%) 35.1 38.0 46.0 50.5 Max. traction : 6 lb Power Factor 0.27 0.50 0.59 0.68 Max. compression : 22 lb

Drive end 6203 ZZ

Non drive end 6202 ZZ Without Bearing Seal

Without Bearing Seal Sealing Lubrication interval

Lubricant amount

Lubricant type Mobil Polyrex EM

Notes:

Bearing type

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					
Checked by				Page	Revision
Date	29/04/2024			1/1	