DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Multimounting High Efficiency Product code: 13982679 Three-Phase Catalog #: .1809EP3EAL80-W22 Frame : 80 Locked rotor time : 14s (cold) 8s (hot) Output : 0.25 HP (0.18 kW) Temperature rise : 80 K Poles Duty cycle : S1 : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 230/460 V : 1000 m.a.s.l. Altitude Rated current : 1.60/0.799 A Protection degree : IP55 L. R. Amperes : 5.27/2.64 A Cooling method : IC411 - TEFC LRC : 3.3 Mounting : B3L(E) : Both (CW and CCW) No load current : 1.58/0.790 A Rotation¹ Rated speed : 855 rpm Noise level² : 46.0 dB(A) Starting method Slip : 5.00 % : Direct On Line Rated torque : 1.54 ft.lb Approx. weight³ : 18.7 lb Locked rotor torque : 200 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0574 sq.ft.lb Design : N 25% 50% 75% 100% Output Foundation loads 50.5 : 27 lb Efficiency (%) 30.9 34.6 43.3 Max. traction Power Factor 0.48 0.56 0.23 0.40 Max. compression : 45 lb Drive end Non drive end Bearing type 6204 ZZ 6203 ZZ Oil Seal Sealing Oil 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					
Checked by				Page	Revision
Date	12/01/2022			1/1	