DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Rolled Steel NEMA Premium Product code: 12682875 Efficiency Three-Phase Catalog #: 01518OT3V254TC-S Frame : 254/6TC Locked rotor time : 30s (cold) 17s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 200/400 V Altitude : 1000 m.a.s.l. Cooling method Rated current : 42.8/21.4 A : IC01 - ODP : 287/143 A L. R. Amperes Mounting : F-1 : Both (CW and CCW) LRC : 6.7x(Code H) Rotation¹ No load current : 21.9/10.9 A Noise level² : 64.0 dB(A) Rated speed : 1775 rpm Starting method : Direct On Line : 203 lb Slip : 1.39 % Approx. weight³ Rated torque : 44.4 ft.lb Locked rotor torque : 240 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.82 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads : 537 lb Efficiency (%) 91.0 91.7 92.4 93.0 Max. traction Power Factor 0.62 0.80 : 740 lb 0.36 0.73 Max. compression Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3 Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 20000 h 20000 h

Lubricant amount 13 g 8 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						
Checked by					Page	Revision
Date	21/11/2024				1/1	