DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Rolled Steel NEMA Premium Product code: 12845388 Efficiency Three-Phase Catalog #: 00218OT3V145TC-S Frame : 143/5TC Locked rotor time : 30s (cold) 17s (hot) Output : 2 HP (1.5 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 : IC01 - ODP Rated current : 6.19/3.09 A L. R. Amperes : 47.6/23.8 A Mounting : F-1 : Both (CW and CCW) LRC : 7.7x(Code K) Rotation¹ No load current : 3.16/1.58 A Noise level² : 52.0 dB(A) Rated speed : 1740 rpm Starting method : Direct On Line : 40.2 lb Slip : 3.33 % Approx. weight³ Rated torque : 6.04 ft.lb Locked rotor torque : 260 % Breakdown torque : 320 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1168 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 85.5 86.5 86.5 : 148 lb Efficiency (%) 85.2 Max. traction **Power Factor** 0.74 0.81 : 188 lb 0.36 0.61 Max. compression Non drive end Drive end Bearing type 6205 ZZ 6203 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					
Checked by				Page	Revision
Date	22/01/2025			1/1	