DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 13500705 Catalog #: 50018ET3GKD580Z-W22 Frame : 586/7TZ Locked rotor time : 36s (cold) 20s (hot) Output : 500 HP (370 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V : 1000 m.a.s.l. Altitude Rated current : 575 A Protection degree : IP55 L. R. Amperes : 4428 A Cooling method : IC411 - TEFC LRC : 7.7x(Code H) Mounting : F-1 No load current : 190 A Rotation¹ : Both (CW and CCW) Rated speed : 1791 rpm Noise level² : 78.0 dB(A) Starting method Slip : 0.50 % : Direct On Line Rated torque : 1470 ft.lb Approx. weight³ : 3912 lb Locked rotor torque : 280 % Breakdown torque : 250 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 228 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 0.000 96.2 : 5691 lb Efficiency (%) 95.8 96.2 Max. traction Power Factor 0.00 0.80 0.84 0.72 Max. compression : 9602 lb

Drive end
Bearing typeDrive end
NU-324 C3Non drive end
6319 C3Sealing: Taconite LabyrinthTaconite LabyrinthLubrication interval: 3000 h8000 hLubricant amount: 72 g45 g

Lubricant amount : 72 g 45 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.

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Customer	
Customer	

Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Space heater information

Voltage: 200 - 240 V

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