DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Product code: 12408986 Premium Efficiency Three-Phase : 364/5TC Locked rotor time Frame : 28s (cold) 16s (hot) Output : 75 HP (55 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 230/460 V : 1000 m.a.s.l. Rated voltage Altitude Rated current : 166/83.2 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 1281/641 A Cooling method : 7.7x(Code H) **LRC** Mounting : F-1 : Both (CW and CCW) No load current : 56.0/28.0 A Rotation¹ Rated speed : 1782 rpm Noise level² : 75.0 dB(A) Slip : 1.00 % Starting method : Direct On Line Rated torque : 30.5 kgfm Approx. weight³ : 482 kg Locked rotor torque : 240 % Breakdown torque : 290 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.9798 kgm² Design : A 25% 75% 100% Output 50% Foundation loads Efficiency (%) 94.0 94.5 95.0 95.4 Max. traction : 885 kgf Power Factor 0.49 0.74 0.83 0.87 Max. compression : 1360 kgf Drive end Non drive end 6314 C3 Bearing type 6314 C3 Lip Seal Oil Seal Sealing 9789 h Lubrication interval 9789 h Lubricant amount 27 g 27 g

Mobil Polyrex EM

Notes

Lubricant type

USABLE @208V 184A SF 1.00 SFA 184A

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	
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Thermal protection

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

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LOAD PERFORMANCE CURVE

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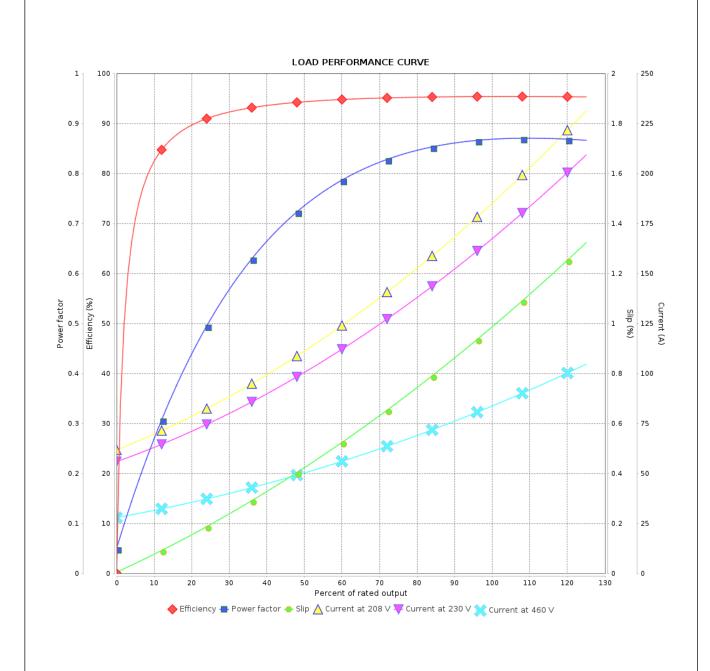


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12408986



Performance : 230/460 V 60 Hz 4P : 166/83.2 A Rated current Moment of inertia (J) : 0.9798 kgm² **LRC** : 7.7 Duty cycle : Cont.(S1) : F Rated torque : 30.5 kgfm Insulation class Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1782 rpm Design : A

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