## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 12697714 Efficiency Three-Phase : 364/5TC Locked rotor time Frame : 28s (cold) 16s (hot) Output : 75 HP (55 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 66.6 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 513 A : 7.7x(Code H) **LRC** Mounting : F-1 : 22.4 A : Both (CW and CCW) No load current Rotation<sup>1</sup> Rated speed : 1782 rpm Noise level<sup>2</sup> : 75.0 dB(A) : Direct On Line Slip : 1.00 % Starting method Rated torque : 30.5 kgfm Approx. weight<sup>3</sup> : 477 kg Locked rotor torque : 240 % Breakdown torque : 290 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.9798 kgm<sup>2</sup> Design : A 50% 75% Output 100% Foundation loads Efficiency (%) 94.5 95.0 95.4 Max. traction : 757 kgf : 1234 kgf Power Factor 0.74 0.83 0.87 Max. compression Drive end Non drive end Bearing type 6314 C3 6314 C3 Lip Seal Oil Seal Sealing Lubrication interval 9789 h 9789 h Lubricant amount 27 g 27 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.

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Customer	
Customer	

#### Thermal protection

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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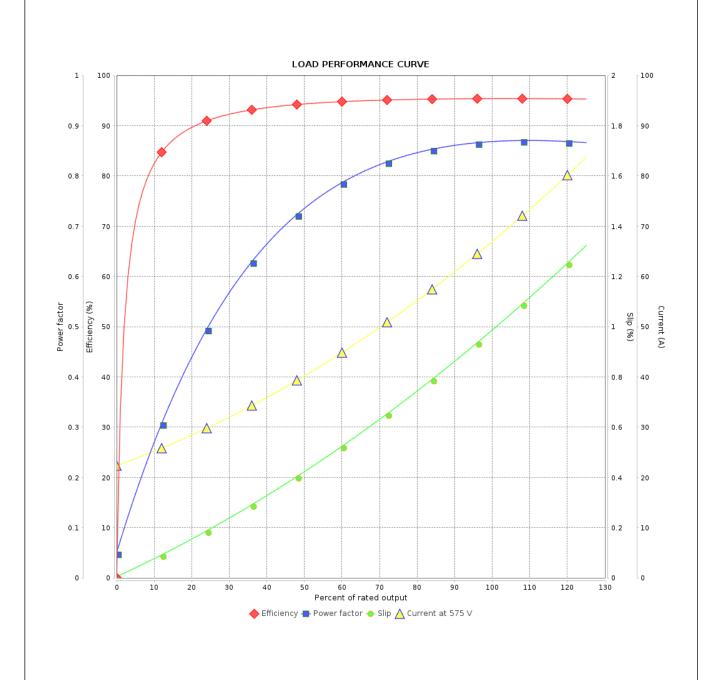


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 12697714



Performance	: 5	75 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: 7 : 3 ue : 2	: 66.6 A : 7.7 : 30.5 kgfm		of inertia (J) e class actor ure rise	: 0.9798 kgm² : Cont.(S1) : F : 1.15 : 80 K	
Rated speed	: 1	782 rpm	Design		: A	
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