## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 11873977 Efficiency Three-Phase : 444/5T Locked rotor time Frame : 75s (cold) 42s (hot) Output : 125 HP Temperature rise : 80 K Poles : 4 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 : 111 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 756 A **LRC** : 6.8x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 36.0 A Rotation<sup>1</sup> Rated speed : 1785 rpm Noise level<sup>2</sup> : 76.0 dB(A) Slip : 0.83 % Starting method : Direct On Line Rated torque : 50.8 kgfm Approx. weight<sup>3</sup> : 897 kg Locked rotor torque : 200 % Breakdown torque : 220 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 2.41 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 94.3 95.2 95.4 Max. traction : 529 kgf Power Factor : 1426 kgf 0.75 0.82 0.85 Max. compression Non drive end Drive end Bearing type NU-219 C3 6316 C3 Viton Oil Seal Viton Seal Sealing Lubrication interval 5526 h 8569 h Lubricant amount 28 g 34 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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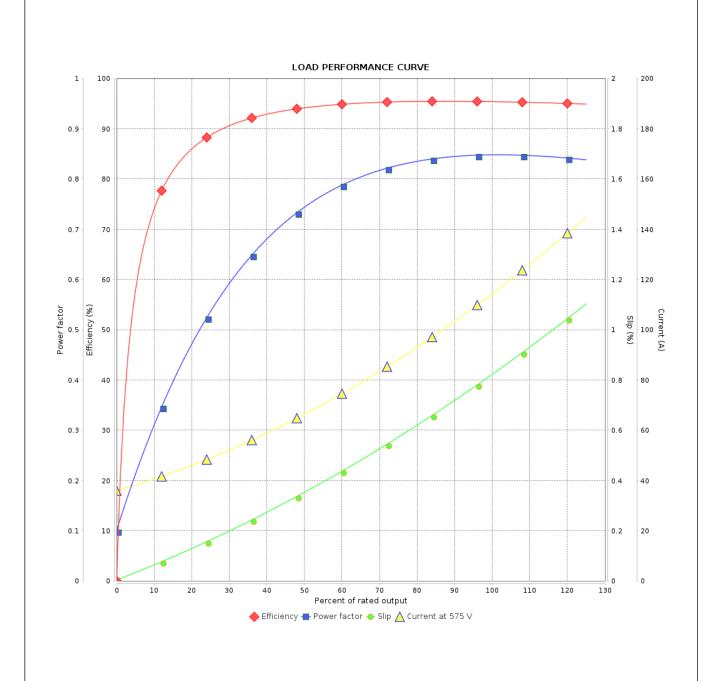


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 11873977



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 111 A : 6.8 : 50.8 kgfm : 200 % : 220 % : 1785 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.41 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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