## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Product code: 12502455 Premium Efficiency Three-Phase : 449T Locked rotor time Frame : 25s (cold) 14s (hot) Output : 300 HP (220 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 Rated current : 267 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 2138 A Cooling method **LRC** : 8.0x(Code J) Mounting : F-1 : Both (CW and CCW) No load current : 92.0 A Rotation<sup>1</sup> Rated speed : 1785 rpm Noise level<sup>2</sup> : 80.0 dB(A) Slip : 0.83 % Starting method : Direct On Line Rated torque : 122 kgfm Approx. weight<sup>3</sup> : 1406 kg Locked rotor torque : 280 % Breakdown torque : 290 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 3.77 kgm<sup>2</sup> Design : A 50% 75% Output 100% Foundation loads Efficiency (%) 95.4 95.8 96.2 Max. traction : 2395 kgf : 3794 kgf Power Factor 0.74 0.83 0.86 Max. compression Non drive end Drive end Bearing type 6322 C3 6319 C3 Viton Oil Seal Viton Seal Sealing Lubrication interval 5138 h 7038 h Lubricant amount 60 g 45 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	

#### 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

### Three Phase Induction Motor - Squirrel Cage

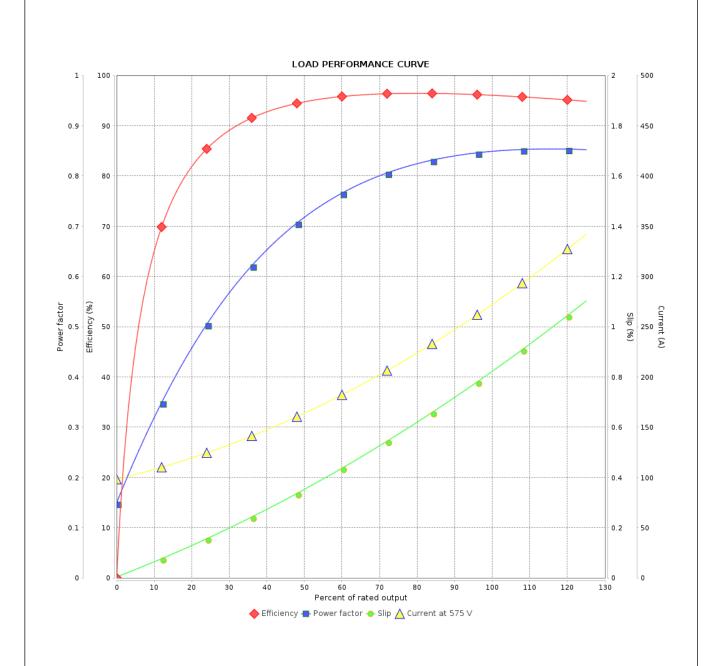


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12502455



Performance : 575 V 60 Hz 4P Rated current : 267 A Moment of inertia (J) : 3.77 kgm<sup>2</sup> **LRC** : 8.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 122 kgfm : F Locked rotor torque : 280 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1785 rpm Design : A Date Rev. **Changes Summary** Performed Checked

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