DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Ph			12477790	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 444/5T : 150 HP (110 kW) : 4 : 60 Hz : 575 V : 136 A : 884 A : 6.5x(Code G) : 43.2 A : 1783 rpm : 0.94 % : 61.1 kgfm : 200 % : 220 % : F : 1.15 : 2.81 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 66s (cold) 37s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 76.0 dB(A) : Direct On Line : 957 kg	
Output Efficiency (%) Power Factor	95.0 0.72	75% 95.8 0.81	100% 95.8 0.85	Foundation loads Max. traction Max. compression	: 697 kgf : 1653 kgf	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes		Drive end		Non drive end 6316 C3 Viton Seal 8569 h 34 g bil Polyrex EM		

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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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

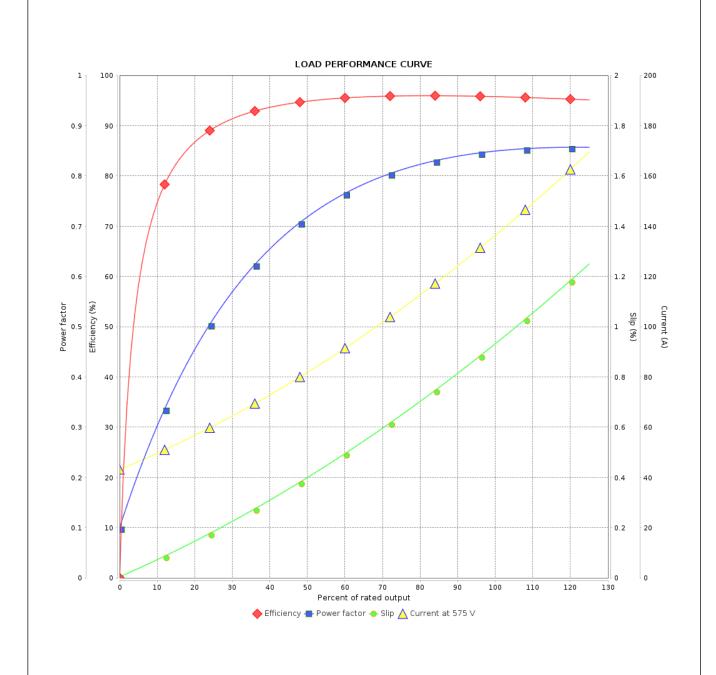


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12477790



Performance : 575 V 60 Hz 4P : 136 A Rated current Moment of inertia (J) : 2.81 kgm² **LRC** : 6.5 Duty cycle : Cont.(S1) : 61.1 kgfm Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K Rated speed · 1783 rnm Design

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