DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Ph			14217807
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		: 143/5TC : 1.5 HP (1.1 kW) : 2 : 60 Hz : 575 V : 1.64 A : 15.1 A : 9.2x(Code M) : 0.800 A : 3500 rpm : 2.78 % : 0.311 kgfm : 340 % : 440 % : F : 1.15 : 0.0017 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 31.6 kg
Output Efficiency (%)	78.5	75% 82.5	100% 84.0	Foundation loads Max. traction	: 22 kgf
Bearing type Sealing Lubrication interventubricant amour Lubricant type		0.73	0.80 Drive end 6205 2RS Oil Seal	Max. compression Non drive end 6204 2RS Lip Seal Mobil Polyrex EM	: 55 kgf
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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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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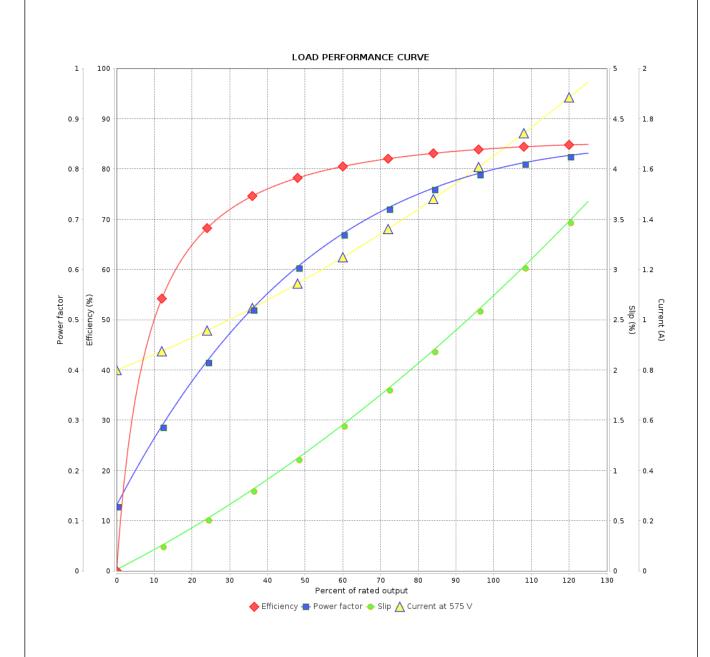


Customer

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14217807



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.64 A : 9.2 : 0.311 kgfm : 340 % : 440 % : 3500 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0017 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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