DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: W21 Explosion Proof NEMA Product code : 15946558 Premium Efficiency Three-Phase				
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		: 449T : 350 HP (: 4 : 60 Hz : 575 V : 323 A : 2650 A : 8.2x(Coo : 122 A : 1785 rpn : 0.83 % : 142 kgfm : 280 % : 290 % : F : 1.15 : 4.98 kgm : A	de J) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 25s (cold) 14s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 80.0 dB(A) : Direct On Line : 1492 kg	
Output Efficiency (%)	50% 95.4	75% 95.8	100% 96.2	Foundation loads Max. traction	: 2864 kgf	
Power Factor	0.70	0.80	0.84	Max. compression	: 4356 kgf	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	Drive end 6322 C3 Viton Oil Seal 5138 h 60 g	Non drive end 6319 C3 Viton Seal 7038 h 45 g obil Polyrex EM	<u>I</u>	
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

Three Phase Induction Motor - Squirrel Cage

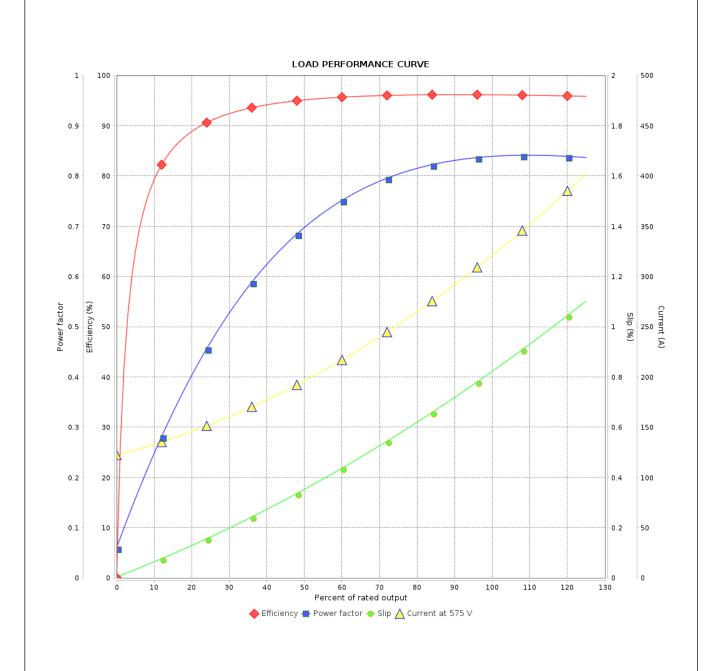


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15946558



Performance : 575 V 60 Hz 4P : 323 A Rated current Moment of inertia (J) : 4.98 kgm² : 8.2 **LRC** Duty cycle : Cont.(S1) : 142 kgfm Insulation class : F Rated torque Locked rotor torque : 280 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed · 1785 rnm Design

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