DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Ph			15853638
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		: 447TS : 200 HP (150 kW) : 2 : 60 Hz : 575 V : 177 A : 1291 A : 7.3x(Code H) : 42.4 A : 3575 rpm : 0.69 % : 40.6 kgfm : 260 % : 270 % : F : 1.15 : 1.88 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) : 87.0 dB(A) : Direct On Line : 1097 kg
Output Efficiency (%) Power Factor	94.1 0.84	75% 95.4 0.88	100% 95.8 0.89	Foundation loads Max. traction Max. compression	: 410 kgf : 1507 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes		:	Drive end 6314 C3 Viton Oil Seal 3604 h 27 g	Non drive end 6314 C3 Lip Seal 3604 h 27 g obil Polyrex EM	<u>-</u>

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

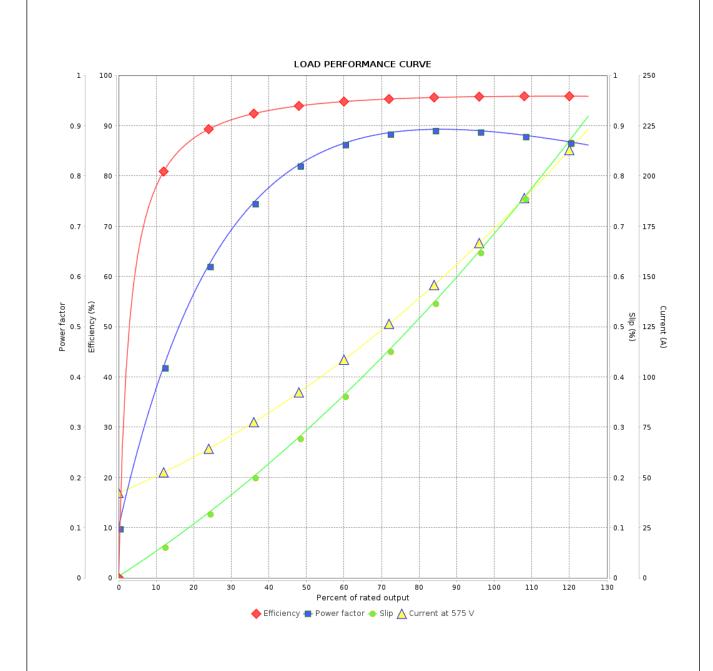


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 15853638



Performance : 575 V 60 Hz 2P : 177 A Rated current Moment of inertia (J) : 1.88 kgm² **LRC** : 7.3 Duty cycle : Cont.(S1) : 40.6 kgfm Insulation class : F Rated torque Locked rotor torque : 260 % Service factor : 1.15 Breakdown torque : 270 % Temperature rise : 80 K Rated speed · 2575 rnm Design

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