DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: W21 Explosion Proof NEMA Product code : 11724527 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 tord Breakdown torqu Insulation class Service factor Moment of inertice	ue	: 444/5T : 100 HP (: 6 : 60 Hz : 575 V : 96.7 A : 658 A : 6.8x(Coo : 39.0 A : 1190 rpm : 0.83 % : 61.2 kgfr : 229 % : 260 % : F : 1.15 : 3.68 kgm	le G) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 88s (cold) 49s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 70.0 dB(A) : Direct On Line : 940 kg	
Output Efficiency (%) Power Factor	50% 94.1 0.66	75% 95.0 0.76	95.0 0.82	Foundation loads Max. traction Max. compression	: 917 kgf : 1857 kgf	
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type	val	: : : : : : : : : : : : : : : : : : : :	Drive end NU-219 C3 Oil Seal 8864 h 28 g	Non drive end 6316 C3 Lip Seal 12823 h 34 g		
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

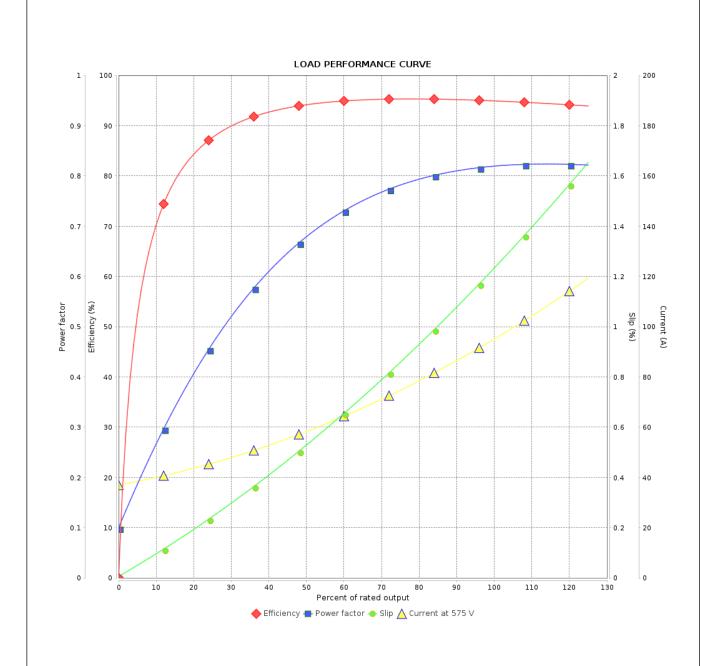


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 11724527



Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 96.7 A : 6.8 : 61.2 kgfm : 229 % : 260 % : 1190 rpm	Moment of inertia (CDuty cycle Insulation class Service factor Temperature rise Design	J)	: 3.68 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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21/10/2024

Date