DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12445723 Catalog #: 00312ET3H213T-W22 Frame : 213/5T Locked rotor time : 104s (cold) 58s (hot) Output : 3 HP (2.2 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Rated current : 3.53 A Protection degree : IP55 L. R. Amperes : 24.7 A Cooling method : IC411 - TEFC : 7.0x(Code K) LRC Mounting : F-1 No load current : 2.20 A Rotation¹ : Both (CW and CCW) Rated speed : 1175 rpm Noise level² : 55.0 dB(A) Starting method Slip : 2.08 % : Direct On Line Rated torque : 13.4 ft.lb Approx. weight³ : 155 lb Locked rotor torque : 200 % Breakdown torque : 280 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 1.20 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 88.5 : 134 lb Efficiency (%) 85.4 86.5 89.5 Max. traction : 289 lb Power Factor 0.50 0.63 0.70 0.28 Max. compression Drive end Non drive end 6207 ZZ Bearing type 6308 ZZ V'Ring Sealing V'Ring Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

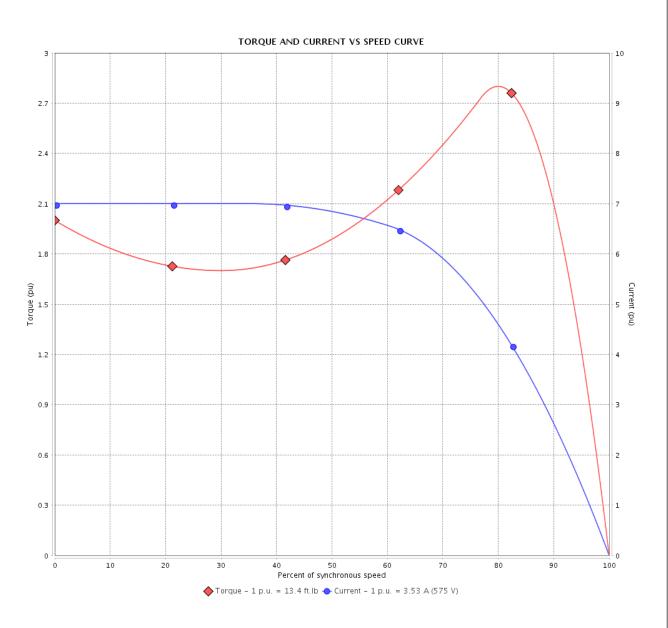


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12445723

Phase

Catalog #: 00312ET3H213T-W22



Performance : 575 V 60 Hz 6P Rated current : 3.53 A Moment of inertia (J) : 1.20 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 13.4 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1175 rpm Design : B

Locked rotor time : 104s (cold) 58s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



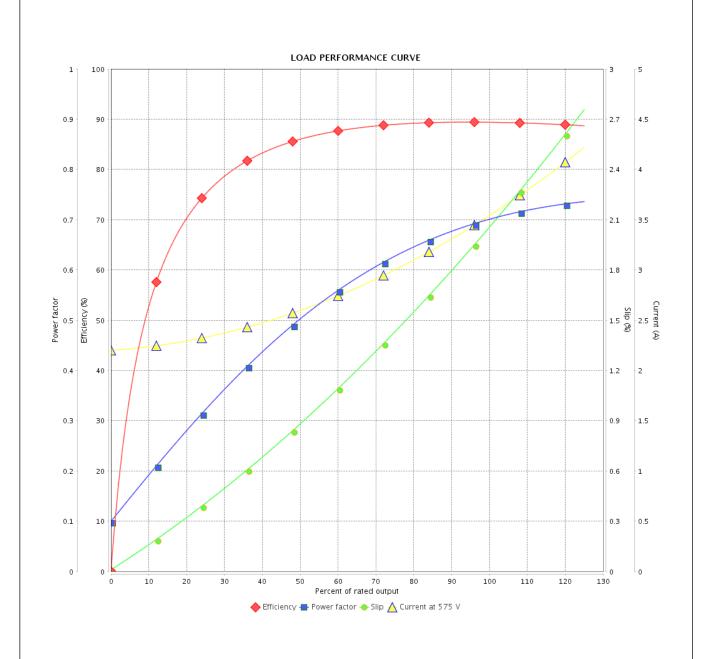
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12445723

Phase

Catalog #: 00312ET3H213T-W22

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Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.53 A : 7.0 : 13.4 ft.lb : 200 % : 280 % : 1175 rpm	Moment of Duty cycle Insulation of Service fac Temperatur Design	class tor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



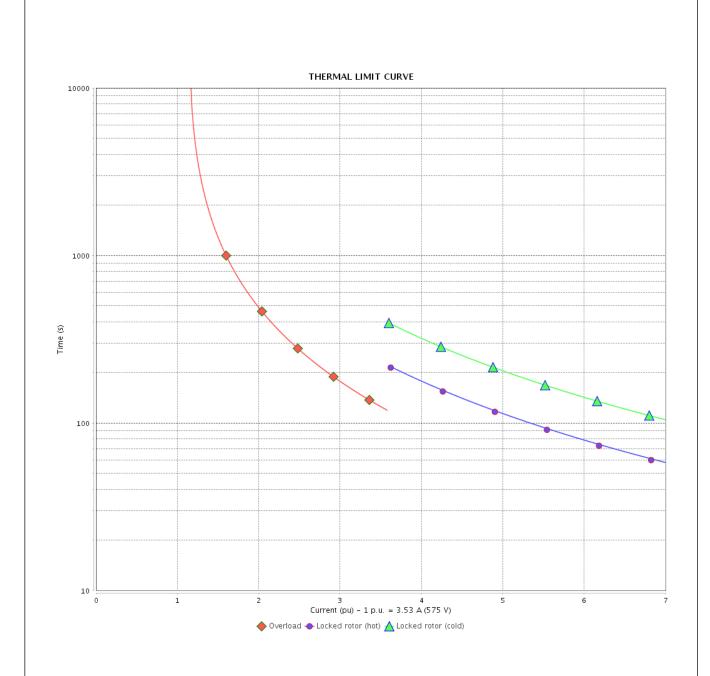
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Performance	: 57	75 V 60 Hz 6P				
Rated current		.53 A	Moment of	f inertia (J)	: 1.20 sq.ft.lb	
LRC Rated torque	: 7. : 13	.0 3.4 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor tord	que : 20	00 %	Service fa	ctor	: 1.25	
Breakdown torqu		80 %	Temperatu	ıre rise	: 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

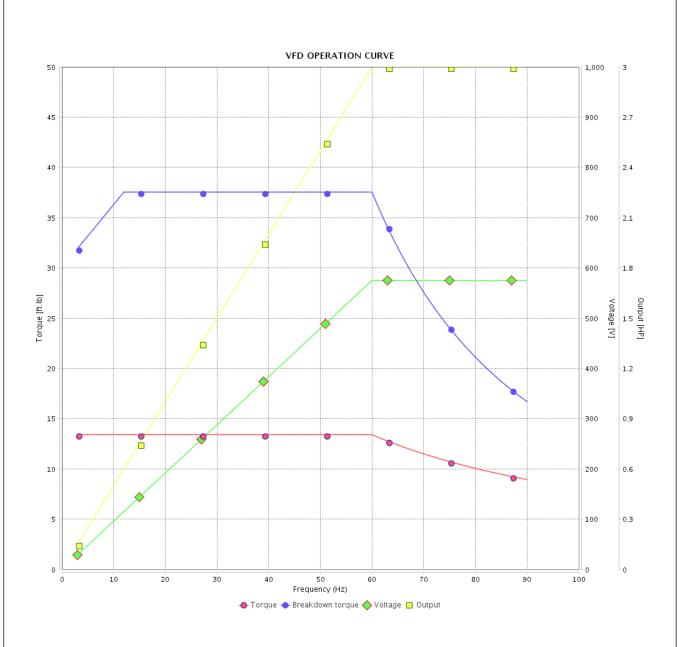
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Revision



Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.53 A : 7.0 : 13.4 ft.lb : 200 % : 280 % : 1175 rpm	Duty cycle Insulation cla Service factor	Insulation class Service factor Temperature rise		
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