DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: NEM Phase		m Efficiency	Three- Product code : Catalog # :	14315330 20036XT3G447TS
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 Design	: 2 : 60 F : 460 : 221 : 161;	HP (150 k dz V A 3 A (Code H) A 5 rpm % ft.lb %	W)	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 : 2492 lb
Output 25% Efficiency (%) 0.00 Power Factor 0.00	50% 94.1 0.84	75% 95.4 0.88	100% 95.8 0.89	Foundation loads Max. traction Max. compression	: 868 lb : 3360 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type	: : : :	63 Viton 36	<u>e end</u> 14 C3 Oil Seal 604 h 27 g	Non drive en 6314 C3 Lip Seal 3604 h 27 g obil Polyrex EM	<u>id</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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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	
Customer	

Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

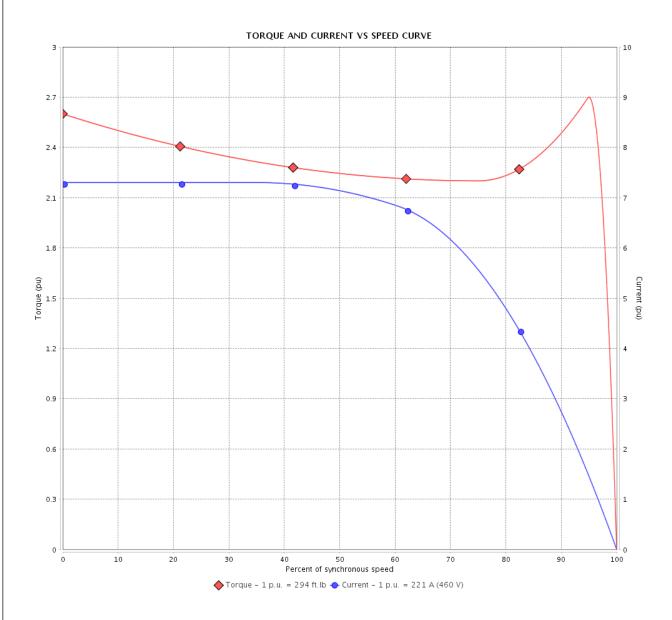


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 14315330

Phase

Catalog #: 20036XT3G447TS



Performance : 460 V 60 Hz 2P Rated current : 221 A Moment of inertia (J) **LRC** : 7.3 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 294 ft.lb Locked rotor torque : 260 % Service factor : 1.15 Breakdown torque : 270 % Temperature rise : 80 K : B Rated speed : 3575 rpm Design

Locked rotor time : 66s (cold) 37s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



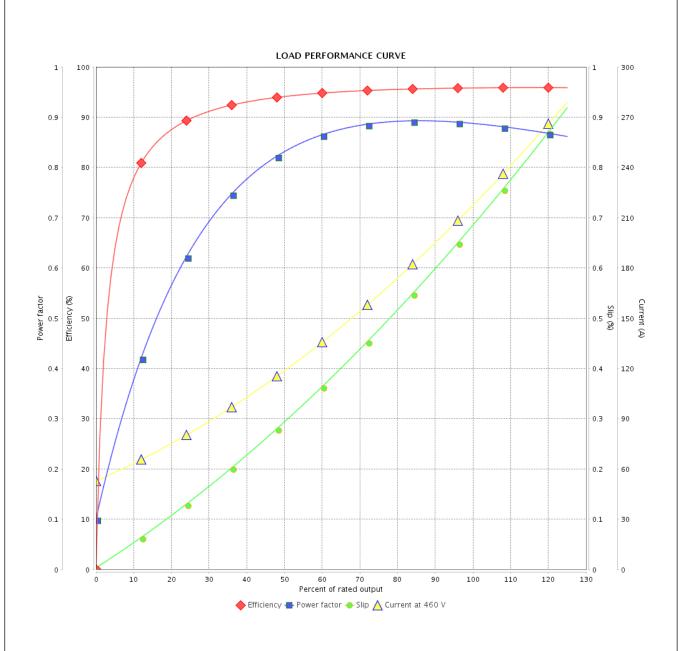
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 14315330

Catalog #: 20036XT3G447TS



Performance	: 460 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.3 Industry to the desired control of the		: Cont.(S1) ss : F : 1.15 rise : 80 K			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



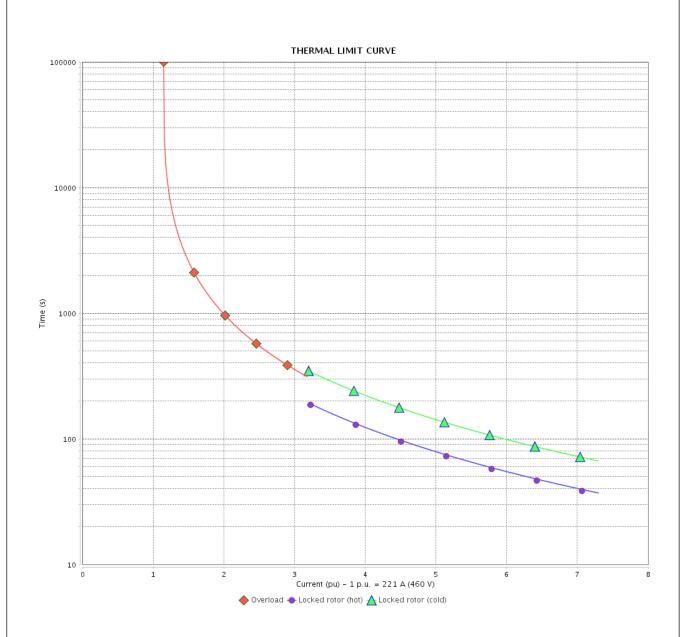
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Product line		NEMA Premium Efficiency Phase		Product code :	14315330	
				Catalog # :	20036XT3G4	47TS
Performance		60 V 60 Hz 2P 21 A	Moment	of inactio (I)		
Rated current LRC	. 2 : 7		Duty cycle	of inertia (J) e	: Cont.(S1)	
Rated torque		94 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown tord		60 % 70 %	Service fa Temperat		: 1.15 : 80 K	
Rated speed		575 rpm	Design		: B	
Heating constan	t					
Cooling constan						
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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

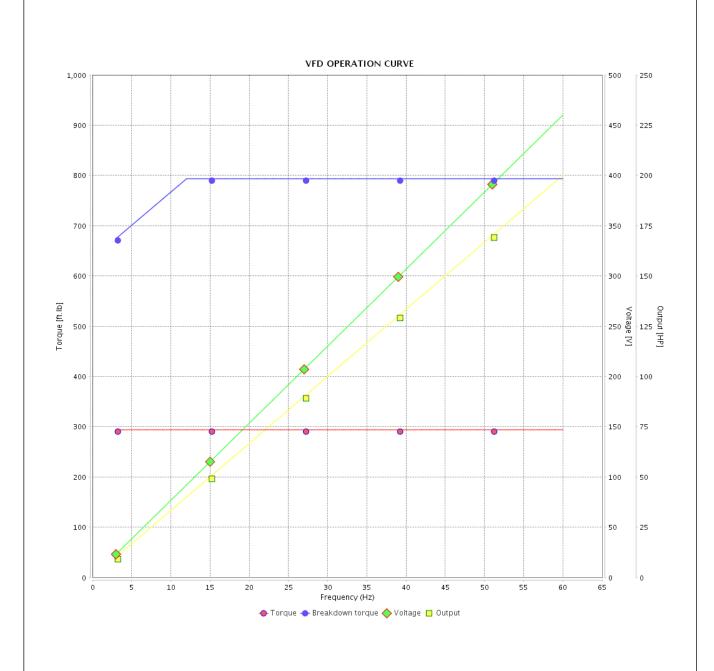


Customer

Product line : NEMA Premium Efficiency Three- Product code : 14315330

Phase

Catalog # : 20036XT3G447TS



Performance	: 460 V 60 Hz 2P				
Rated current	: 221 A Moment of inertia (J)				
LRC	: 7.3	Duty cycle		: Cont.(S1)	
Rated torque	: 294 ft.lb	Insulation class		:F	
Locked rotor torque	: 260 %	Service factor Temperature rise		: 1.15 : 80 K	
Breakdown torque	: 270 %				
Rated speed	: 3575 rpm	Design		: B	
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Date

