DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11360969 Catalog #: 06018XT3H364T Frame : 364/5T Locked rotor time : 36s (cold) 20s (hot) Output : 60 HP (45 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 : 54.6 A Protection degree : IP55 L. R. Amperes : 382 A Cooling method : IC411 - TEFC : 7.0x(Code H) LRC Mounting : F-1 No load current : 17.6 A Rotation¹ : Both (CW and CCW) Rated speed : 1780 rpm Noise level² : 75.0 dB(A) Starting method Slip : 1.11 % : Direct On Line Rated torque : 177 ft.lb Approx. weight³ : 1006 lb Locked rotor torque : 250 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 20.8 sq.ft.lb Design : B 50% 75% 100% Output Foundation loads 94.5 Efficiency (%) 94.1 95.0 Max. traction : 1013 lb Power Factor 0.72 0.82 0.87 Max. compression : 2019 lb Non drive end Drive end 6314 C3 Bearing type 6314 C3 Sealing Oil Seal Lip Seal Lubrication interval 9789 h 9789 h Lubricant amount 27 g 27 g 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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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		

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

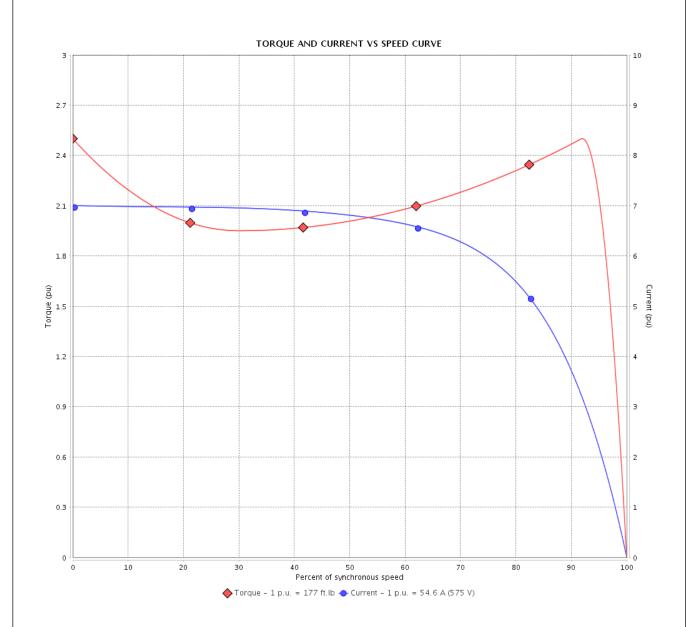
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11360969 Catalog #: 06018XT3H364T



Performance : 575 V 60 Hz 4P Rated current : 54.6 A Moment of inertia (J) : 20.8 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class : F Rated torque Locked rotor torque : 250 % Service factor : 1.15 Breakdown torque : 250 % Temperature rise : 80 K : B Rated speed : 1780 rpm Design Locked rotor time : 36s (cold) 20s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

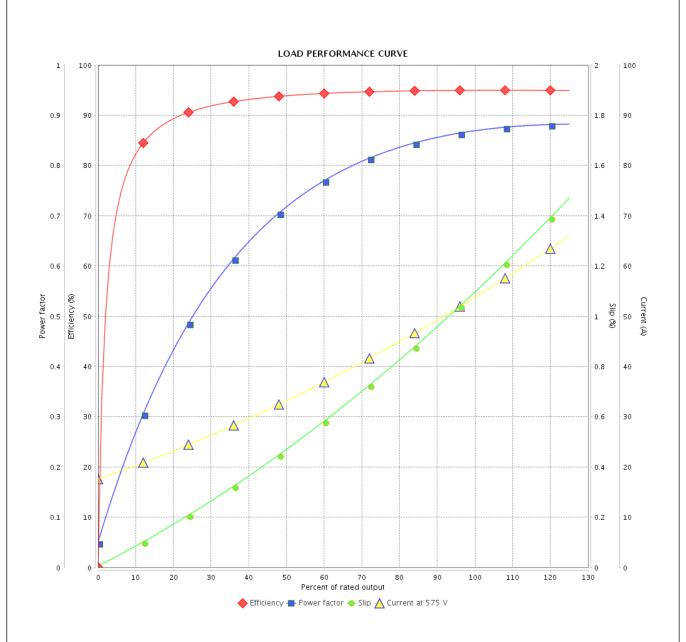
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11360969

Catalog #: 06018XT3H364T



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 54.6 A : 7.0 : 177 ft.lb : 250 % : 250 % : 1780 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ector	: 20.8 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



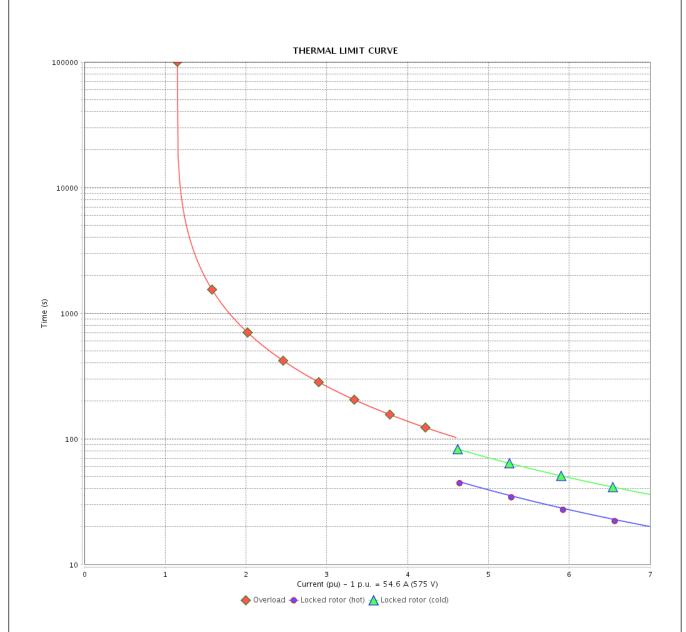
Customer	:					
Product line	<u>:</u>	NEMA Premium Efficiency	Three-	Product code :	11360969	
	F	Phase		Catalog # :	06018XT3H3	64T
Rated current LRC Rated torque Locked rotor tord Breakdown tord Rated speed	: 5 : 7 : 1 que : 2 ue : 2 : 1	75 V 60 Hz 4P 4.6 A .0 77 ft.lb 50 % 50 % 780 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 20.8 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Performance Rated current LRC Rated torque Locked rotor torgoreakdown torgoreakdown torgoreaked speed Heating constant	: 5 : 7 : 1 que : 2 ue : 2 : 1	4.6 A (.0 77 ft.lb 50 % 50 %	Duty cycle Insulation Service fa Temperate	e class actor	: Cont.(S1) : F : 1.15 : 80 K	
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed	: 5 : 7 : 1 que : 2 ue : 2 : 1	4.6 A (.0 77 ft.lb 50 % 50 %	Duty cycle Insulation Service fa Temperate	e class actor	: Cont.(S1) : F : 1.15 : 80 K	Date
Rated current LRC Rated torque Locked rotor torg Breakdown torg Rated speed Heating constan Cooling constan	: 5 : 7 : 1 que : 2 ue : 2 : 1	4.6 A 7.0 77 ft.lb 50 % 780 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.15 : 80 K : B	Date
Rated current LRC Rated torque Locked rotor torg Breakdown torg Rated speed Heating constan Cooling constan	: 5 : 7 : 1 que : 2 ue : 2 : 1	4.6 A 7.0 77 ft.lb 50 % 780 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.15 : 80 K : B	Date
Rated current .RC Rated torque .ocked rotor torg Breakdown torg Rated speed Heating constan Cooling constan Rev.	: 5 : 7 : 1 que : 2 ue : 2 : 1	4.6 A 7.0 77 ft.lb 50 % 780 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.15 : 80 K : B	Date

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

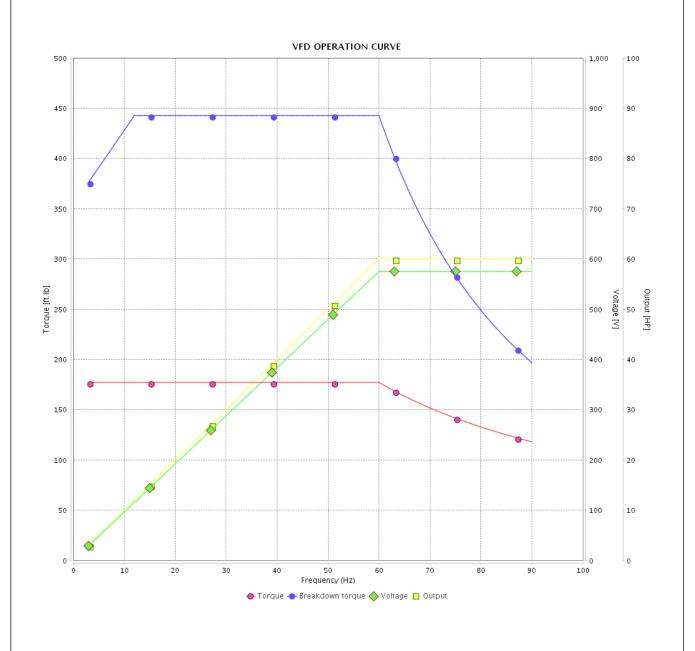
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 06018XT3H364T

11360969

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Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque	: 54.6 A : 7.0 : 177 ft.lb	Moment of inertia (J) Duty cycle Insulation class		: 20.8 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 250 % : 250 % : 1780 rpm	Service factor Temperature rise Design		: 1.15 : 80 K : B	
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