DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase			Three- Product code : Catalog # :	12395532 25012ET3H449T-W22
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		: 6 : 60 H : 575 : 234 : 142 : 6.1) : 96.0 : 118 : 1.25 : 1110 : 240 : F : 1.15	HP (185 k Hz V A 5 A K(Code G) O A 5 rpm 5 % 0 ft.lb	kW)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 21s (cold) 12s (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 : 2958 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.5	95.0	95.4	95.8	Max. traction	: 5609 lb
Power Factor	0.43	0.68	0.79	0.83	Max. compression	: 8567 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	<u>Drive end</u> 6322 C3 WSeal 11000 h 60 g		Non drive end 6319 C3 WSeal 13000 h 45 g	
Notes						

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



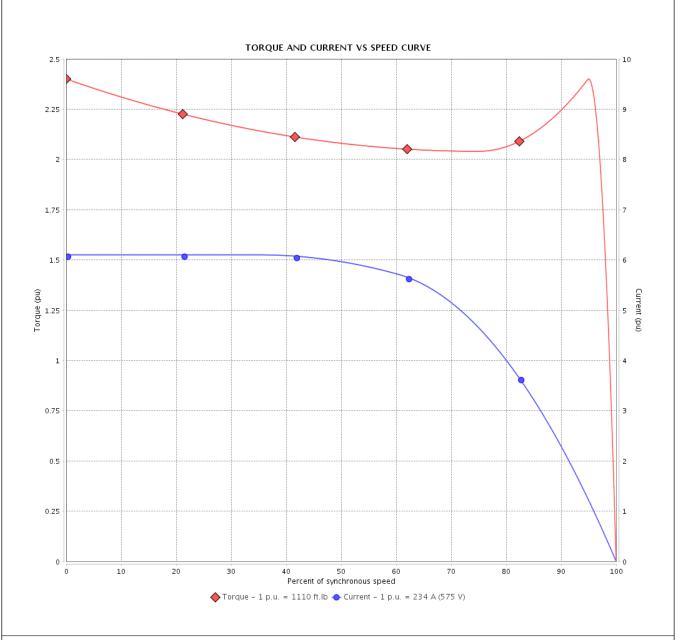
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 12395532

Catalog #: 25012ET3H449T-W22



Performance : 575 V 60 Hz 6P Rated current : 234 A Moment of inertia (J) : 145 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : F : 1110 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 240 % : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Date

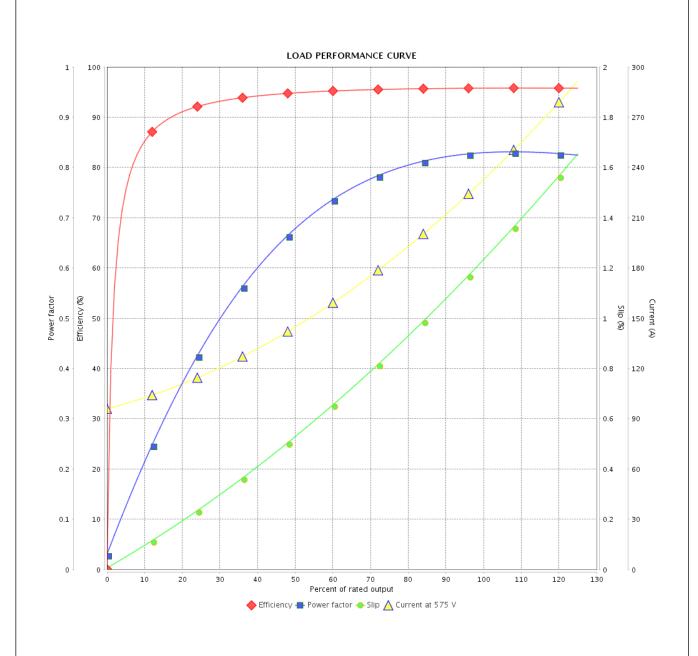
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Product line : NEMA Premium Efficiency Three- Product code : 12395532

Phase

Catalog #: 25012ET3H449T-W22

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Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 234 A : 6.1 : 1110 ft.lb : 240 % : 240 % : 1185 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 145 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



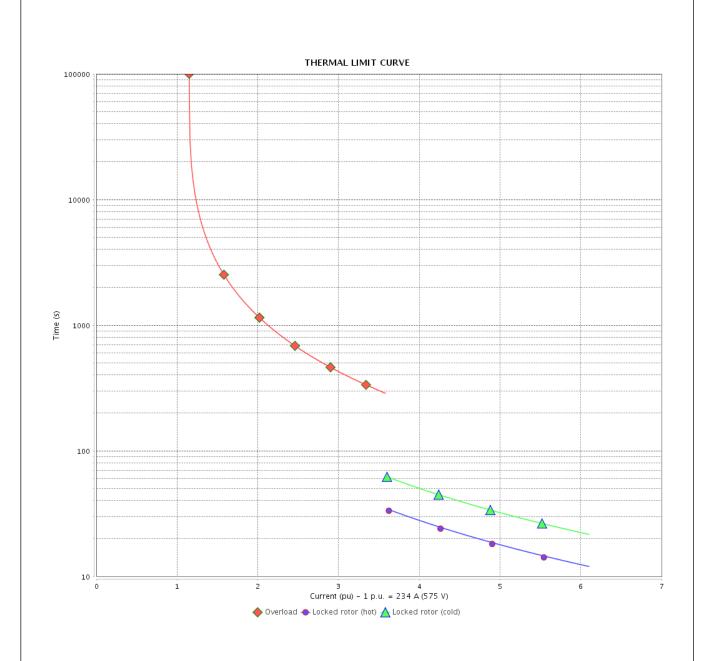
Customer	:			·	
Product line	: NEMA Premium Efficiency	Three-	Product code :	12395532	
	Phase		Catalog # :	25012ET3H4	49T-\W22
				20012213114	+31-VVZZ
Performance	: 575 V 60 Hz 6P		e		
Rated current LRC	: 234 A : 6.1	Moment o Duty cycle	f inertia (J)	: 145 sq.ft.lb : Cont.(S1)	
Rated torque	: 1110 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque	: 240 % Service fa : 240 % Temperat			: 1.15 : 80 K	
Rated speed	: 1185 rpm	Design	110 TISE	: 80 K	
Heating constant					
Cooling constant					
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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



Revision

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Customer :

Checked by

Date

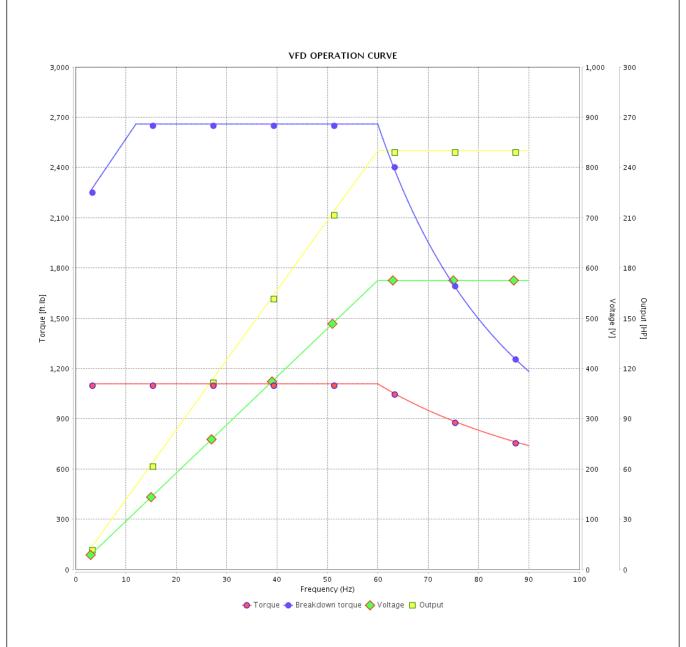
13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12395532

Catalog #: 25012ET3H449T-W22



Performance : 575 V 60 Hz 6P : 234 A Rated current Moment of inertia (J) : 145 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 Insulation class : 1110 ft.lb : F Rated torque Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

