DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase				11441521
					Catalog # :	02036ET3H256T-W22
Frame Output Poles Frequency		: 254/6T : 20 HP (15 kW) : 2 : 60 Hz			Locked rotor time Temperature rise Duty cycle Ambient temperature	: 37s (cold) 21s (hot) : 80 K : Cont.(S1) : -20°C to +40°C
Rated voltage Rated current L. R. Amperes LRC			A A x(Code G)		Altitude Protection degree Cooling method Mounting Rotation¹	: 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1
No load current Rated speed Slip Rated torque		: 5.20 A : 3525 rpm : 2.08 % : 29.8 ft.lb			Noise level ² Starting method Approx. weight ³	: Both (CW and CCW) : 72.0 dB(A) : Direct On Line : 301 lb
Locked rotor torque Breakdown torque Insulation class Service factor		: 200 : 240 : F : 1.29	%			
Moment of inerti Design	a (J)		4 sq.ft.lb			
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.4	91.0	91.7	91.0	Max. traction	: 192 lb
Power Factor	0.57	0.82	0.87	0.89	Max. compression	: 493 lb
Bearing type				<u>e end</u> 09 C3	Non drive en 6209 C3	<u>d</u>
Sealing type		:	V'Ring		V'Ring	
Lubrication interval		:		0000 h	20000 h	
Lubricant amount		:		13 g	9 g	
Lubricant type		<u>:</u>		Mo	obil 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



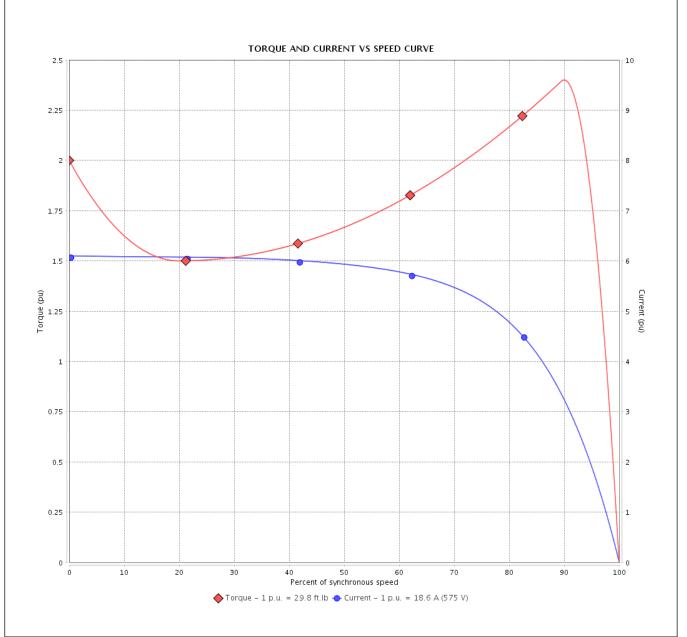
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 02036ET3H256T-W22

11441521



Performance : 575 V 60 Hz 2P Rated current : 18.6 A Moment of inertia (J) : 1.54 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 29.8 ft.lb : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3525 rpm Design : B

Locked rotor time : 37s (cold) 21s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

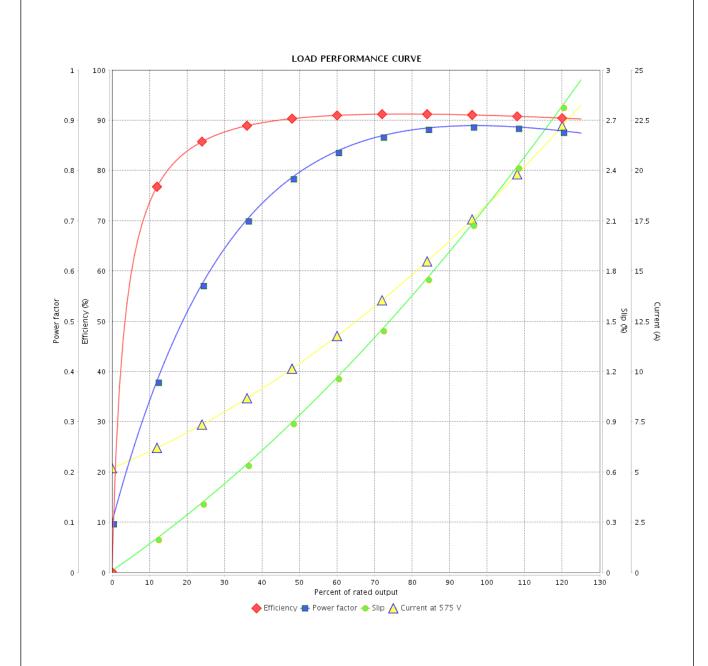
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 02036ET3H256T-W22

11441521

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Performance	: 575 V 60 Hz 2P				
Rated current	: 18.6 A	A Moment of inertia (J)		: 1.54 sq.ft.lb	
LRC	: 6.1	Duty cycle		: Cont.(S1)	
Rated torque	: 29.8 ft.lb	Insulation class Service factor Temperature rise Design		: F : 1.25 : 80 K : B	
Locked rotor torque	: 200 %				
Breakdown torque	: 240 %				
Rated speed	: 3525 rpm				
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



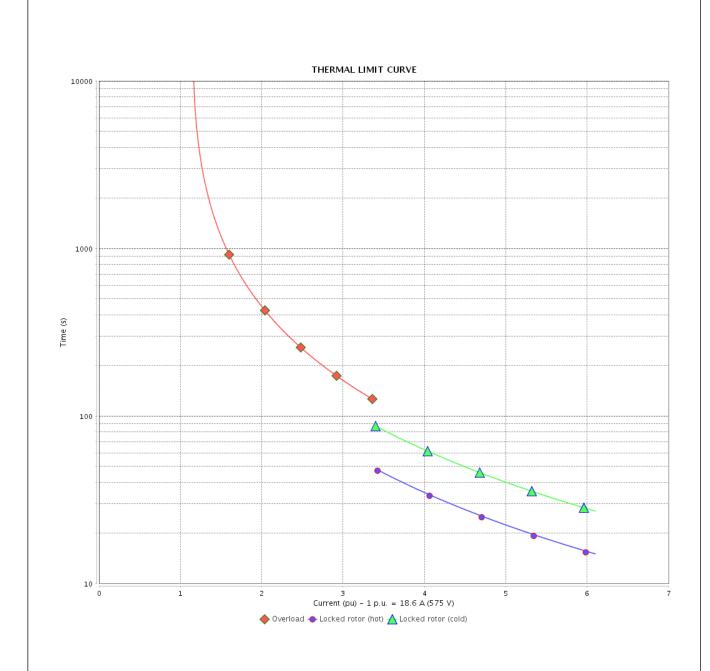
	'				
Customer	:				
Product line	: NEMA Premium Efficienc Phase	cy Three-	Product code :	11441521	
	Phase		Catalog # :	02036ET3H	256T-W22
Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 18.6 A : 6.1 : 29.8 ft.lb : 200 % : 240 %	Duty cyc Insulation Service Tempera	n class	: 1.54 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K	
Rated speed	: 3525 rpm	Design		: B	
Heating constant					
Cooling constant					Г
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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 :

Date

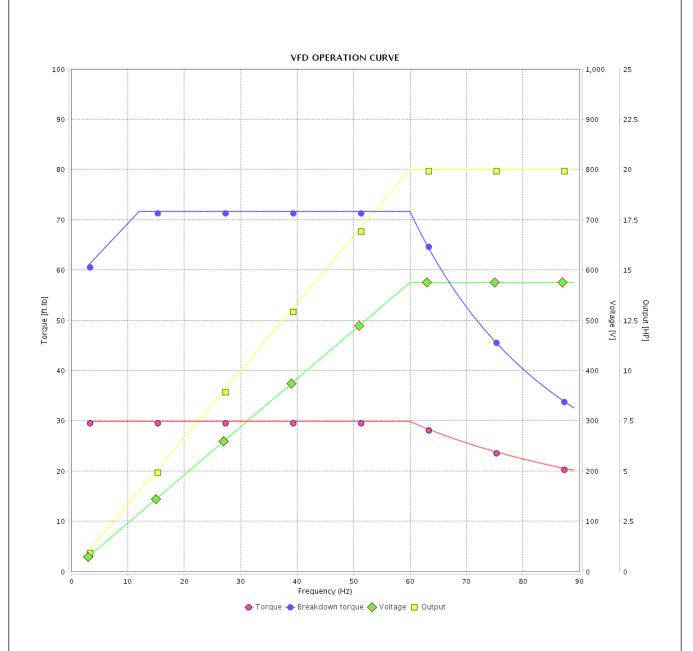
14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11441521

Catalog #: 02036ET3H256T-W22



Performance : 575 V 60 Hz 2P : 18.6 A Rated current Moment of inertia (J) : 1.54 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 : 29.8 ft.lb Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3525 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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