DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase			Three- Product code : Catalog # :	11611512 02018ET3H256T-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		: 254/6T : 20 HP (15 kW) : 4 : 60 Hz : 575 V : 19.3 A : 133 A : 6.9x(Code H) : 7.68 A : 1770 rpm : 1.67 % : 59.3 ft.lb : 240 % : 260 % : F : 1.25 : 3.10 sq.ft.lb			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 54s (cold) 30s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line : 373 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	92.4	93.0	Max. traction	: 553 lb
Power Factor	0.43	0.68	0.79	0.84	Max. compression	: 926 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end : 6309 C3 : V'Ring : 20000 h : 13 g : Mo		09 C3 'Ring 1000 h 13 g	Non drive end 6209 C3 V'Ring 20000 h 9 g obil Polyrex EM	<u>d</u>
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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Performed by					
Checked by				Page	Revision
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



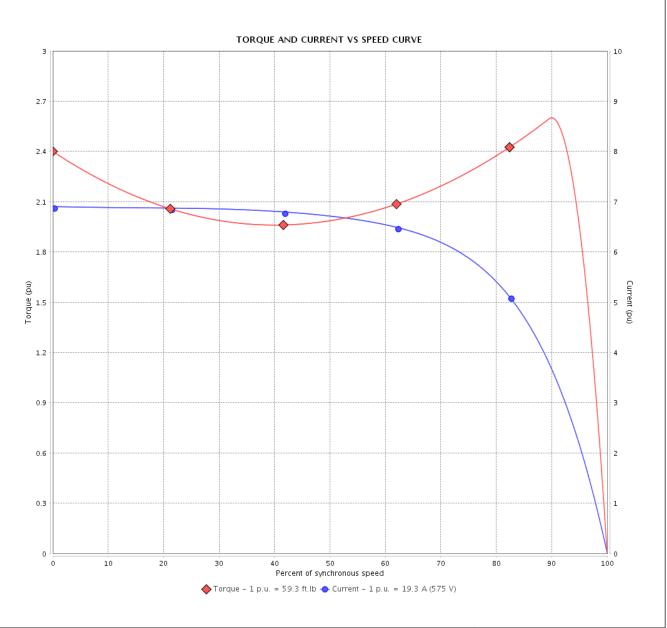
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 02018ET3H256T-W22

11611512



Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 19.3 A : 6.9 : 59.3 ft.lb : 240 % : 260 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Locked rotor time	: 54s (cold) 30s (hot)			

		7.6 (35.4) 333 (1.63)					
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Checked by				Page	Revision		
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

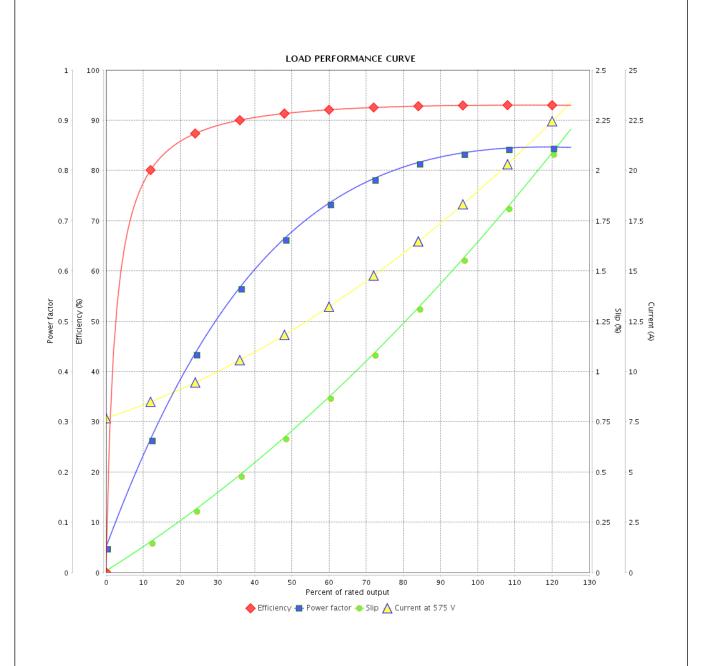


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11611512

Phase

Catalog #: 02018ET3H256T-W22



Performance		: 575 V 60 Hz 4P					
Rated current	:	19.3 A	0.3 A Moment of inertia (J)		: 3.10 sq.ft.lb		
LRC	:	6.9	Duty cycle		: Cont.(S1)		
Rated torque	:	59.3 ft.lb	Insulation class		: F		
Locked rotor torque	e :	240 %	Service factor		: 1.25		
Breakdown torque	:	260 %	Temperature rise		: 80 K		
Rated speed	:	: 1770 rpm		Design			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



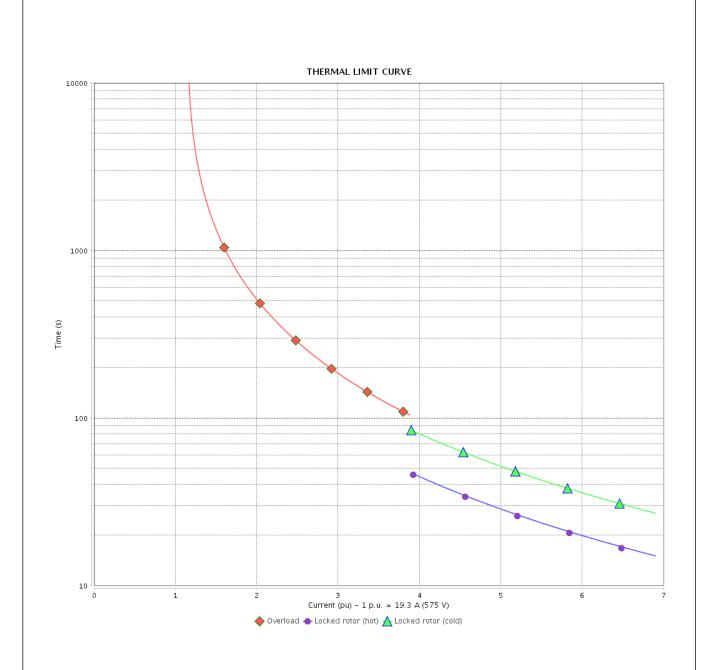
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11611512	
	PI	hase		Catalog # :	02018ET3H2	56T-W22
					0_0.00	
Performance		75 V 60 Hz 4P	Mamanta	finantia (I)	. 2 40 az # lb	
Rated current LRC	: 6.		Duty cycle	f inertia (J)	: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque		9.3 ft.lb	Insulation	class	: F	
Locked rotor torqu Breakdown torque		40 % 60 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		770 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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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



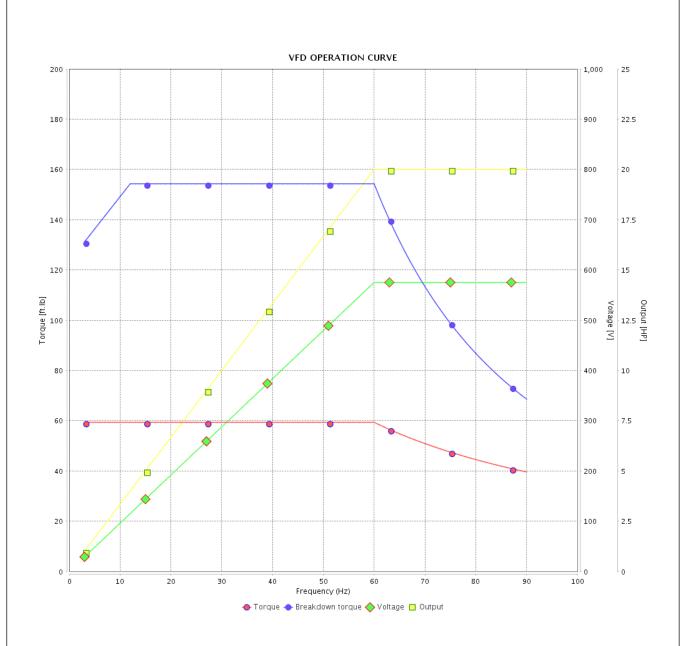
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11611512

Catalog #: 02018ET3H256T-W22



Performance : 575 V 60 Hz 4P : 19.3 A Rated current Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) : 59.3 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B Rev. Performed Checked Date **Changes Summary**

