## **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEMA Premium Efficiency T Phase			Three- Product code :  Catalog # :		11432092 02036ST3HIE256T-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		: 2 : 60 H : 575 : 18.6 : 113 : 6.15 : 5.20 : 352 : 2.22 : 29.8 : 200 : 240 : F	HP (15 kW) Hz V S A A ((Code G) O A O rpm 2 % S ft.lb %		Temp Duty Ambi Altitu Prote Cooli Mour Rotat Noise Starti	ent temperature de cction degree ng method nting	: 37s (cold) 21s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 72.0 dB(A) : Direct On Line : 305 lb	
Output  Efficiency (%)  Power Factor	25% 91.4 0.57	50% 91.0 0.82	75% 91.7 0.87	100% 91.0 0.89	Max. tra	ation loads action ompression	: 191 lb : 496 lb	
Bearing type : 6309 C3 Sealing : Inpro/Seal Lubrication interval : 19000 h Lubricant amount : 13 g Lubricant type : Mo		bil Polyre	Non drive end 6209 C3 Inpro/Seal 20000 h 9 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



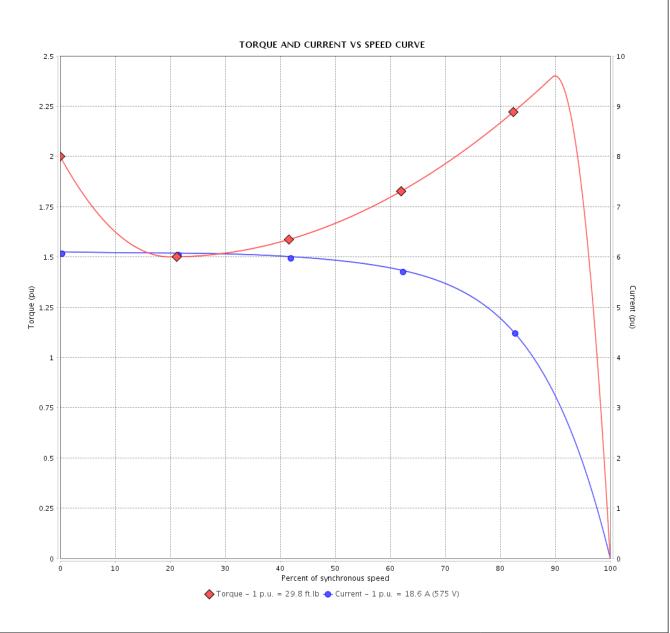
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11432092

Catalog #: 02036ST3HIE256T-W22



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 : 3520 rpm Design : B

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

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## LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



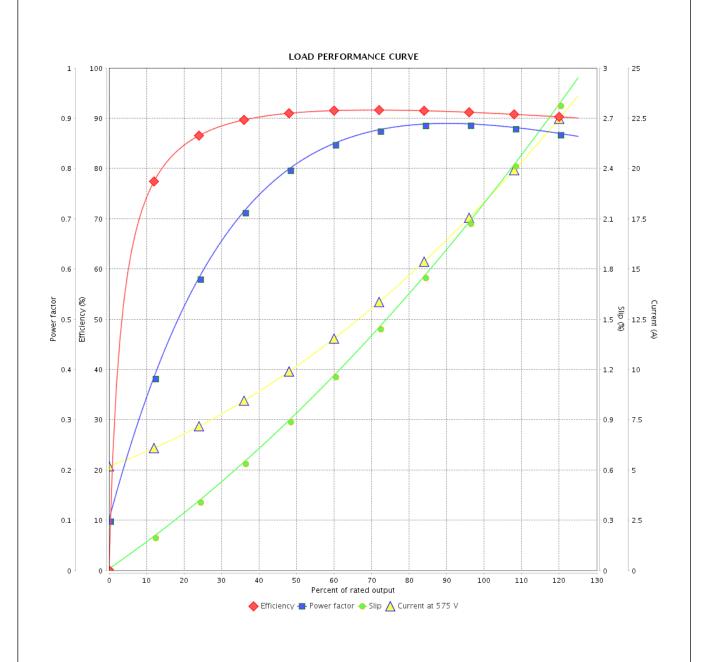
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11432092

Phase

Catalog #: 02036ST3HIE256T-W22

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Performance	: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18.6 A : 6.1 : 29.8 ft.lb : 200 % : 240 % : 3520 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.54 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
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# THERMAL LIMIT CURVE

### Three Phase Induction Motor - Squirrel Cage



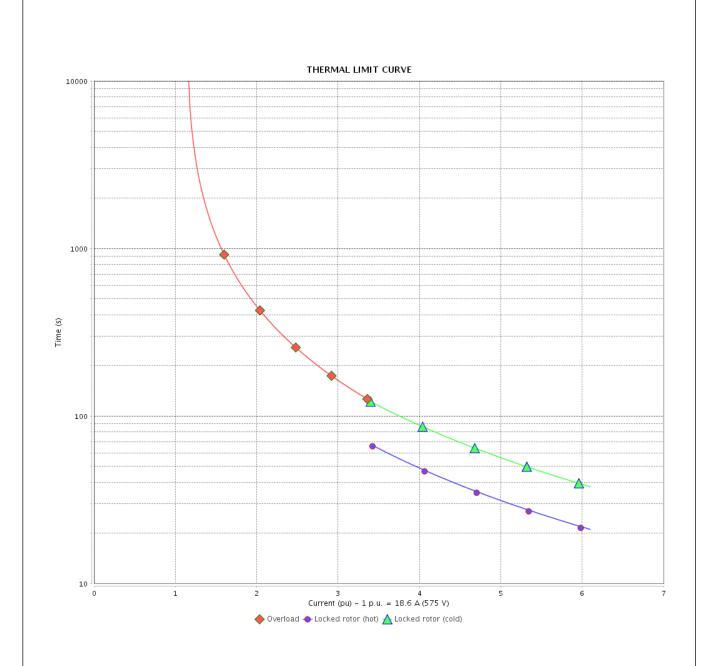
Customer		:				
Product line		: NEMA Premium Efficiency <sup>*</sup> Phase		Product code : Catalog # :	11432092 02036ST3HIE	256T-W22
Dawfarmana		575 V 60 Hz 2P				
Performance Rated current		18.6 A	Moment o	f inertia (J)	: 1.54 sq.ft.lb	
LRC	:	6.1	Duty cycle	;	: Cont.(S1)	
Rated torque		29.8 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		200 % 240 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		3520 rpm	Design		: B	
Heating 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



Customer :

Date

14/04/2022

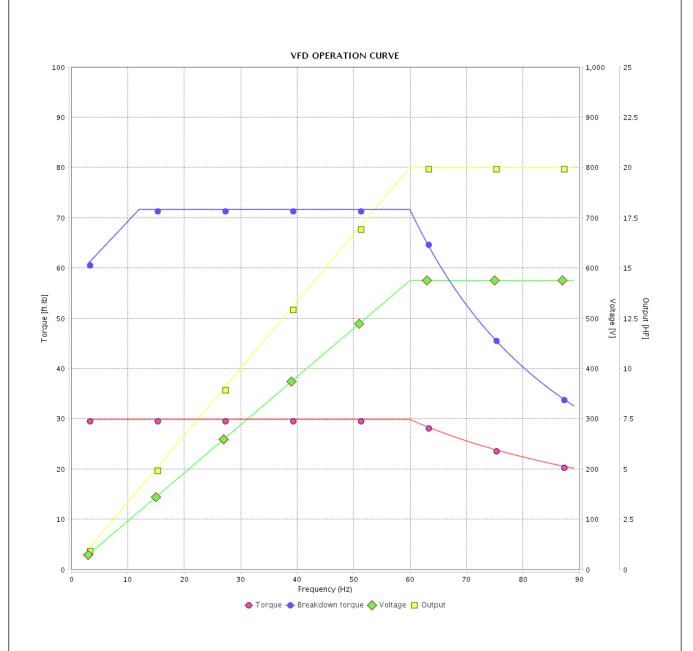
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11432092

Catalog #: 02036ST3HIE256T-W22

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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 : 3520 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

