## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: NEI Phas		m Efficiency	Three- Product code : Catalog # :	11611672 03036ET3H286TSC-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inertic	ue	: 30 I : 2 : 60 I : 575 : 27.4 : 172 : 6.33 : 8.00 : 354 : 1.6; : 44.6 : 200 : 250 : F	6 V 4 A 2 A x(Code G) 0 A 0 rpm 7 % 6 ft.lb 1 %	)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (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 : 421 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.6	91.7	91.7	91.7	Max. traction	: 275 lb
Power Factor	0.55	0.80	0.86	0.88	Max. compression	: 695 lb
Bearing type Sealing Lubrication inter Lubricant amoun Lubricant type		: : : : : : : : : : : : : : : : : : : :	63 V 14	e end 111 C3 "Ring 1000 h 18 g	Non drive end 6211 C3 V'Ring 17000 h 11 g obil Polyrex EM	Į.
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

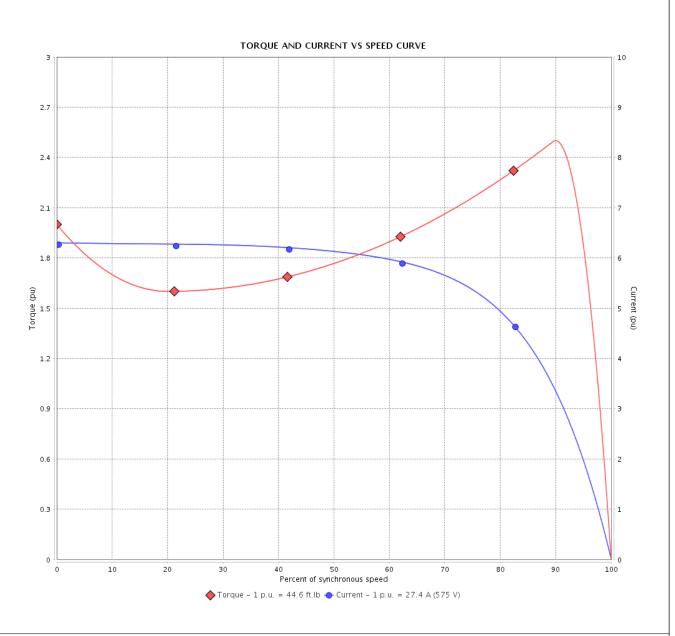


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11611672

Phase

Catalog #: 03036ET3H286TSC-W22



Performance	: 575 V 60 Hz 2P			
Rated current	: 27.4 A	Moment of inertia (J)	: 3.37 sq.ft.lb	
Rated torque	: 6.3 : 44.6 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F	
Locked rotor torque	: 200 %	Service factor	: 1.25	
Breakdown torque	: 250 %	Temperature rise	: 80 K	
Rated speed	: 3540 rpm	Design	: B	
Looked notes times	. 27a (aald) 45a (bat)	I		

Locked rotor time : 27s (cold) 15s (hot)

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# LOAD PERFORMANCE CURVE

#### Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 11611672

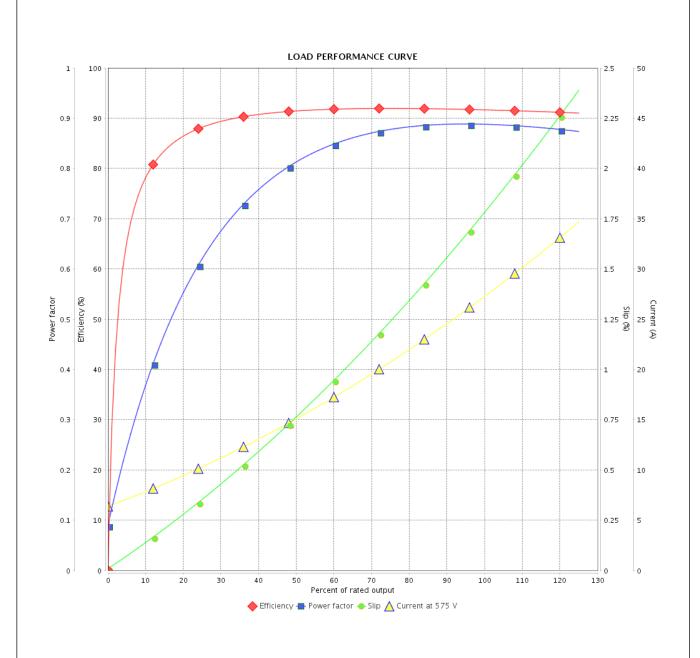
Phase

Catalog #: 03036ET3H286TSC-W22

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Revision



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.4 A : 6.3 : 44.6 ft.lb : 200 % : 250 % : 3540 rpm	: 6.3 Duty cycle : 44.6 ft.lb Insulation class : 200 % Service factor : 250 % Temperature rise		: 3.37 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
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## THERMAL LIMIT CURVE

#### Three Phase Induction Motor - Squirrel Cage



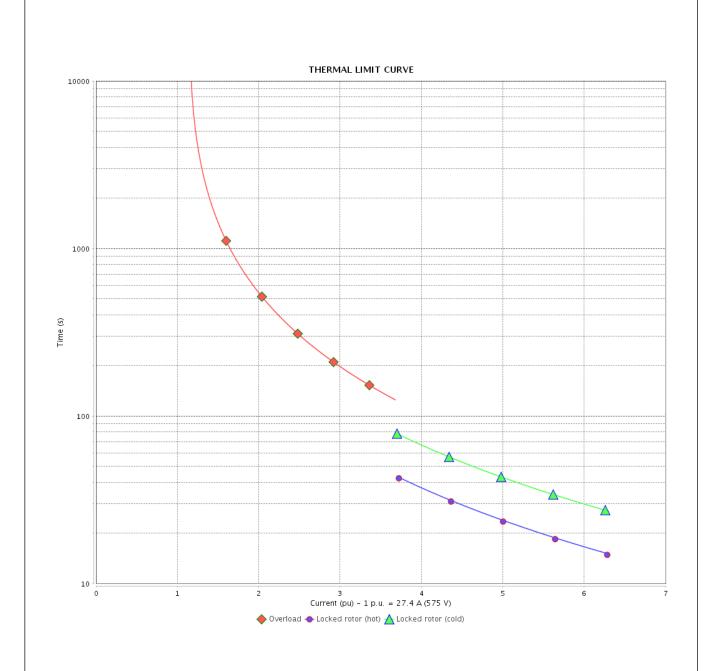
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11611672	
	PI	hase	1	Catalog # :	03036ET3H28	B6TSC-W22
Performance		75 V 60 Hz 2P	Moment -	finartic (I)	. 2 27 22 4 15	
Rated current LRC	: 6.		Duty cycle	f inertia (J)	: 3.37 sq.ft.lb : Cont.(S1)	
Rated torque		4.6 ft.lb 00 %	Insulation Service fa	class	: F : 1.25	
Locked rotor torque Breakdown torque	: 25	50 %	Temperatu		: 80 K	
Rated speed		540 rpm	Design		: B	
Heating constant						
Cooling constant		Changes Commercial		Dorform	Charles	Data
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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



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Date

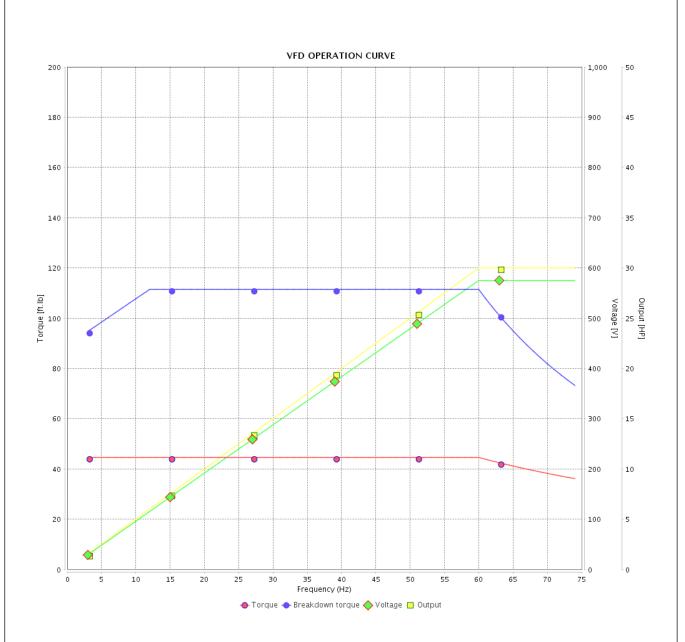
14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11611672

Catalog #: 03036ET3H286TSC-W22



Performance : 575 V 60 Hz 2P : 27.4 A Rated current Moment of inertia (J) : 3.37 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 44.6 ft.lb Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

