DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEN Phas		m Efficiency	Three- Product code : Catalog # :	11434692 15036ST3HIE445TS-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torque Insulation class Service factor Moment of inertic	ie	: 2 : 60 H : 575 : 130 : 848 : 6.55 : 32.8 : 357 : 0.83 : 221 : 180 : 240 : F	HP (110 k) Hz V A A ((Code G) B A 0 rpm B W ft.lb W	W)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 39s (cold) 22s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 81.0 dB(A) : Direct On Line : 1739 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.0	94.1	95.0	95.0	Max. traction	: 542 lb
Power Factor	0.60	0.83	0.88	0.89	Max. compression	: 2281 lb
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : : : : : : : : : : : : : : : : : :	63 Inp 4	re end 14 C3 ro/Seal 000 h 27 g	Non drive end 6314 C3 Inpro/Seal 4000 h 27 g obil Polyrex EM	1
Notes						

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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

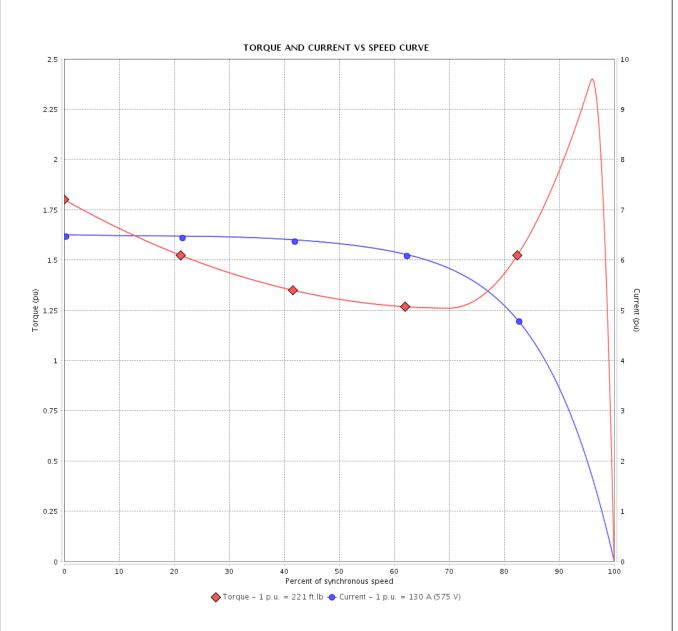


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11434692

Phase

Catalog #: 15036ST3HIE445TS-W22



Performance : 575 V 60 Hz 2P Rated current : 130 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 180 % Service factor : 1.15 : 240 % Breakdown torque Temperature rise : 80 K Rated speed : 3570 rpm Design : B

Locked rotor time : 39s (cold) 22s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

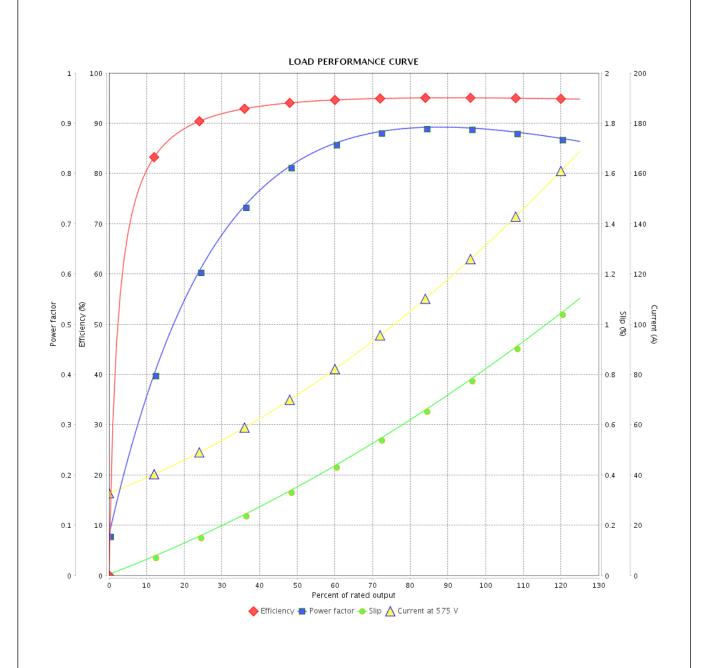


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11434692

Phase

Catalog #: 15036ST3HIE445TS-W22



Performance	: 5	: 575 V 60 Hz 2P						
Rated current	: 1	30 A Moment of inertia (J)		f inertia (J)	: 39.1 sq.ft.lb			
LRC		.5	Duty cycle		: Cont.(S1)			
Rated torque	: 2	21 ft.lb	Insulation class		: F			
Locked rotor torque	e : 1	80 %	Service fa	ctor	: 1.15			
Breakdown torque	: 2	40 %	Temperature rise		: 80 K			
Rated speed	: 3	: 3570 rpm Des			: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



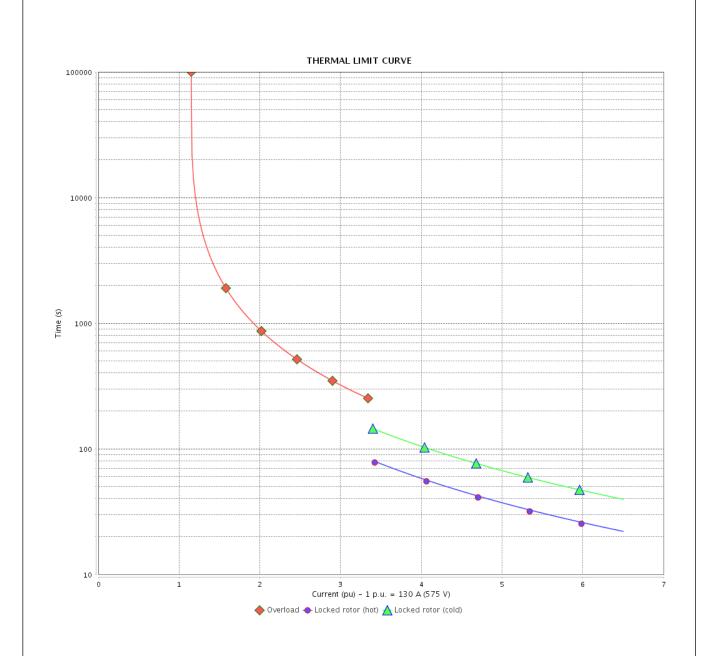
Customer	:			,	
Product line	: NEMA Premium Efficiency Phase		Product code :	11434692 15036ST3HIE	E445TS-W22
Performance Rated current LRC Rated torque	: 575 V 60 Hz 2P : 130 A : 6.5 : 221 ft.lb	Moment of Duty cycle Insulation	f inertia (J)	: 39.1 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 180 % : 240 % : 3570 rpm	Service fa Temperatu Design	ctor	: 1.15 : 80 K : 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 :

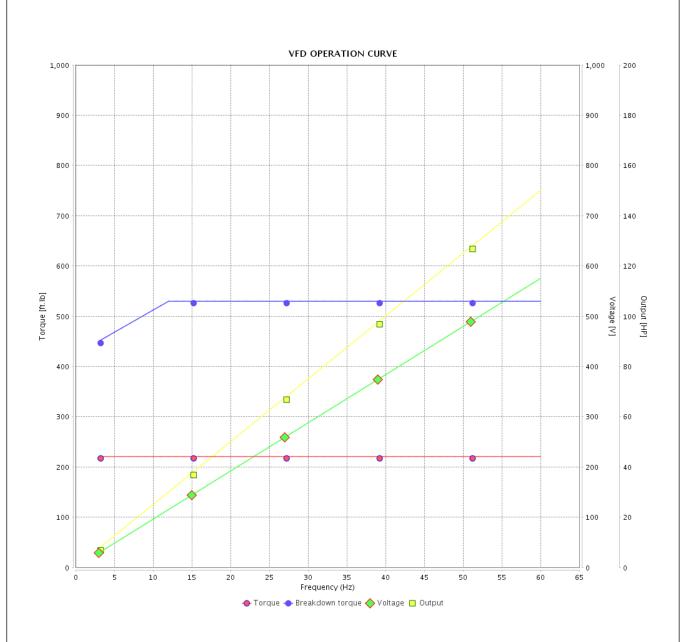
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11434692

Catalog #: 15036ST3HIE445TS-W22

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Performance	: 575 V 60 Hz 2P				
Rated current	: 130 A	Moment of inertia (J)		: 39.1 sq.ft.lb	
LRC	: 6.5	Duty cycle		: Cont.(S1)	
Rated torque	: 221 ft.lb	Insulation class		: F	
Locked rotor torque	: 180 %	Service factor		: 1.15	
Breakdown torque	: 240 %	Temperature rise Design		: 80 K	
Rated speed	: 3570 rpm			: B	
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13/04/2022

Date

