DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:					
Product line		: NEN Phas		m Efficiency			12446716
					Catalog	#:	00736ET3H213TC-W22
Frame Output Poles Frequency Rated voltage Rated current		: 213 : 7.5 : 2 : 60 l : 575 : 7.01	HP (5.5 kV Hz V	V)	Locked rotor tin Temperature ris Duty cycle Ambient tempe Altitude Protection degr	rature	: 39s (cold) 22s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55
L. R. Amperes LRC No load current Rated speed Slip Rated torque		: 50.5 : 7.2> : 2.16	5 A ((Code H) 6 A 0 rpm 2 % 2 ft.lb		Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³		: IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 161 lb
Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 300 : F : 1.25	%	,			
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%) Power Factor	87.2 0.52	87.5 0.75	89.5 0.84	89.5 0.88	Max. traction Max. compressio	n	: 108 lb : 270 lb
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		: : : :	63	<u>re end</u> 808 ZZ "Ring - - M		drive end 6207 ZZ V'Ring - -	

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



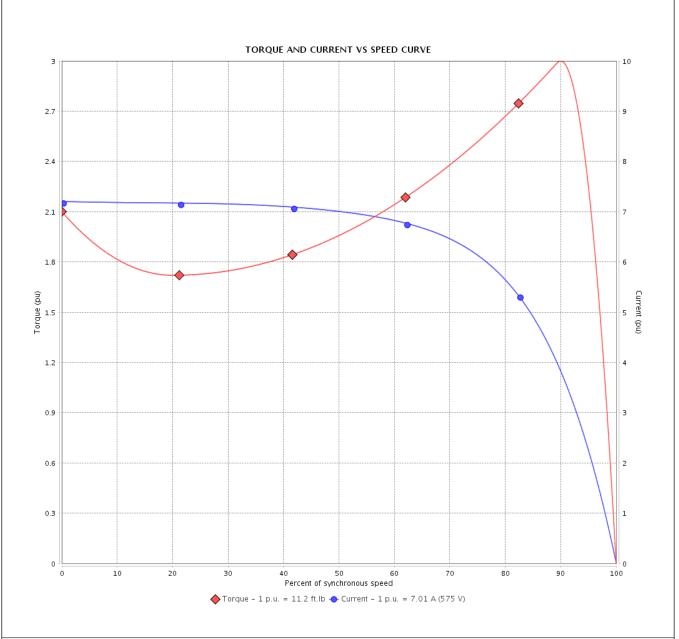
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00736ET3H213TC-W22

12446716



Performance : 575 V 60 Hz 2P Rated current : 7.01 A Moment of inertia (J) : 0.4665 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 11.2 ft.lb Service factor Locked rotor torque : 210 % : 1.25 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 3520 rpm Design : B

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

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LOAD PERFORMANCE CURVE

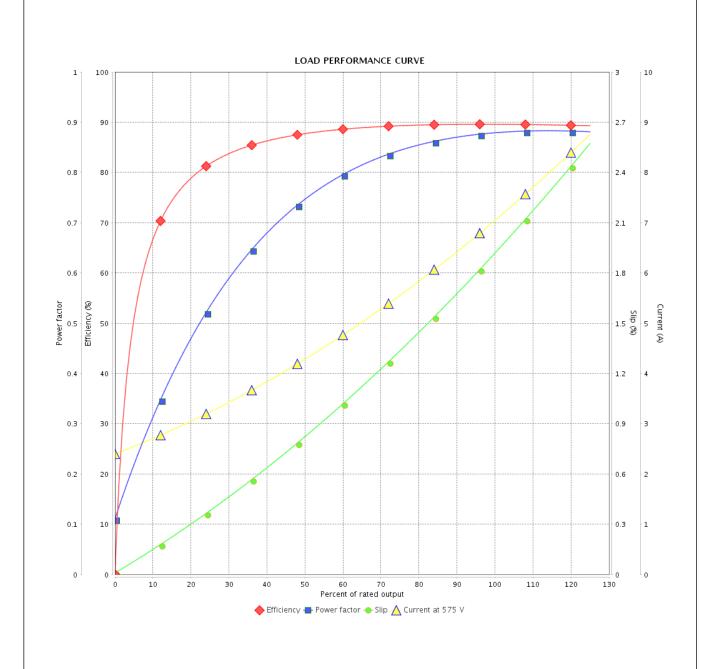
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12446716

Catalog #: 00736ET3H213TC-W22



Performance		: 575 V 60 Hz 2P						
Rated current		.01 A	Moment o	Moment of inertia (J)		.lb		
LRC :7		.2	Duty cycle	Duty cycle				
Rated torque		1.2 ft.lb	Insulation	Insulation class				
Locked rotor torque		10 %	Service fa	Service factor		: 1.25		
Breakdown torqu	ıe : 3	: 300 % Temperature rise Design		ure rise	: 80 K			
Rated speed	: 3				: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



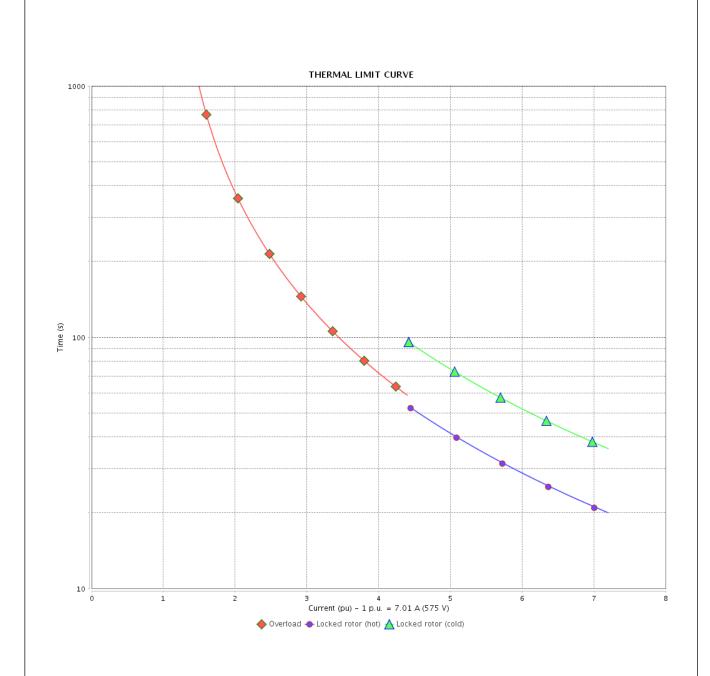
Customer	:					
Product line	: N	NEMA Premium Efficier hase	ncy Three-	Product code :	12446716	
		1430		Catalog # :	00736ET3H2	213TC-W22
Performance		75 V 60 Hz 2P				
Rated current LRC	: 7. : 7.	01 A 2	Moment o	f inertia (J)	: 0.4665 sq.ft.l : Cont.(S1)	b
Rated torque	: 11	.2 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		10 % 00 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		520 rpm	Design		: B	
Heating constant						
Cooling constant					01 1 1	
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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 :

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

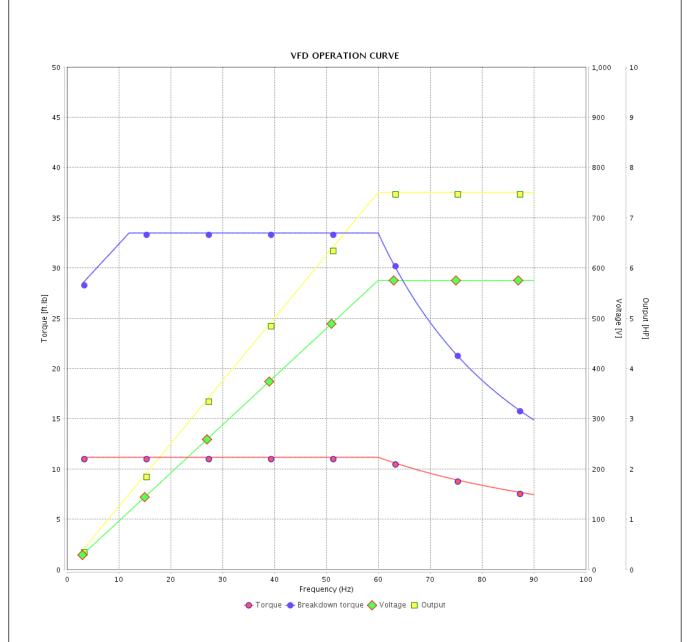
Catalog #: 00736ET3H213TC-W22

12446716

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Revision



Performance	: 575 V 60 Hz 2P				
Rated current LRC	: 7.01 A : 7.2	Duty cycle		: 0.4665 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque	: 11.2 ft.lb : 210 % : 300 %	Insulation class Service factor Temperature rise		: F : 1.25 : 80 K	
Rated speed	: 3520 rpm	Design		: B	
Rev.	Changes Summary	I	Performed	Checked	Date
Performed by					

