DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line	: NEN Phase		n Efficiency	Three- Product code : Catalog # :	11708306 01536ET3H215JM-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 F : 575 : 13.6 : 103 : 7.6x : 4.00 : 3510 : 22.4 : 240 : 280 : F : 1.25	HP (11 kW) Hz V i A (Code J) A 0 rpm V ift.lb %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 25s (cold) 14s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 178 lb
Output 25%	50%	75%	100%	Foundation loads	
Efficiency (%) 90.0 Power Factor 0.53	90.2 0.76	91.0 0.85	91.0 0.89	Max. traction Max. compression	: 265 lb : 443 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes	: : : : : : : : : : : : : : : : : : : :	V'F 190	9 Z C3 Ring 900 h 3 g	Non drive end 6207 ZZ V'Ring 40000 h 0 g obil Polyrex EM	

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



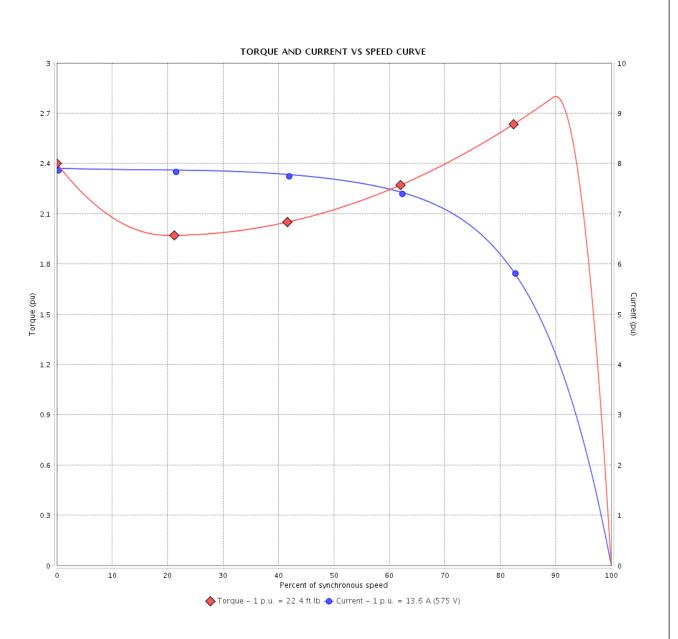
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01536ET3H215JM-W22

11708306



Performance	: 575 V 60 Hz 2P		
Rated current	: 13.6 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 22.4 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: A
Landard Confirm	05 (() 1) 44 (() 1)		
Locked rotor time	· 25s (cold) 14s (hot)		

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



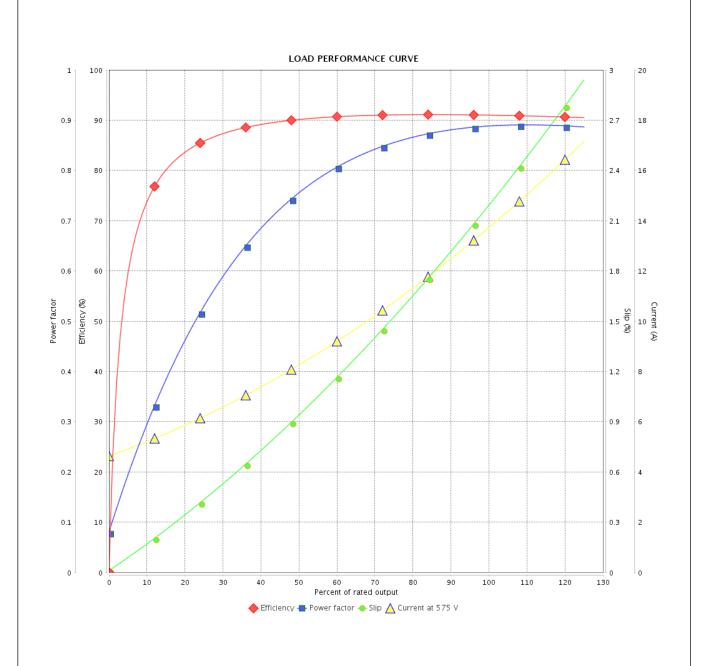
Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11708306

Phase

Catalog #: 01536ET3H215JM-W22

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Rated current	: 13.6 A	Manager of inserting (1)			
		Moment of inertia (J)	: 0.6362 sq.ft.ll	o	
LRC	: 7.6	Duty cycle	: Cont.(S1)	: Cont.(S1)	
Rated torque	: 22.4 ft.lb	Insulation class	: F	:F	
Locked rotor torque	: 240 %	Service factor	: 1.25	: 1.25	
Breakdown torque	: 280 %	Temperature rise	: 80 K	: 80 K	
Rated speed	: 3510 rpm	Design	: A		
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Date

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



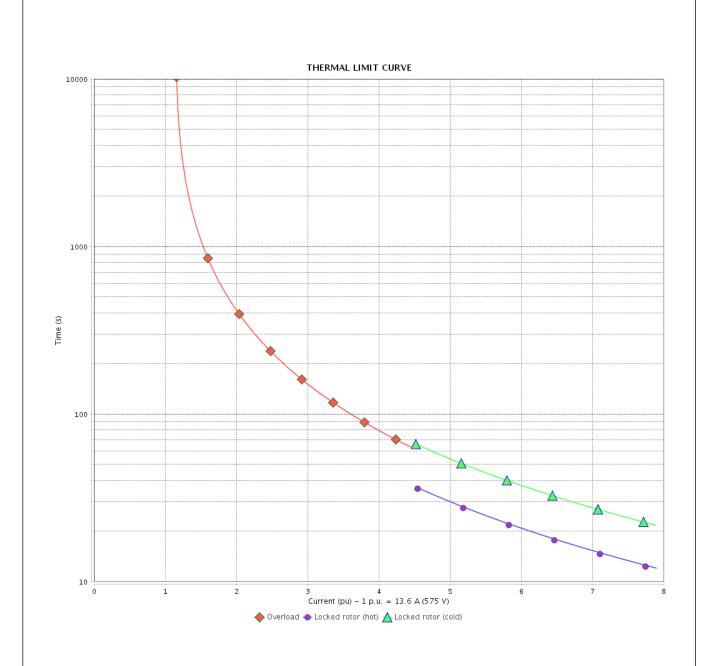
Customer	:				
Product line	: NEMA Premium Efficiency	Three-	Product code :	11708306	
	Phase		Catalog # :	01536ET3H2	015 IM-\N/22
		<u>'</u>	Catalog # .	01550E15H2	. 10JIVI-VVZZ
Performance	: 575 V 60 Hz 2P	T			
Rated current LRC	: 13.6 A : 7.6	Moment o	f inertia (J)	: 0.6362 sq.ft.l	b
Rated torque	: 7.6 : 22.4 ft.lb	Duty cycle Insulation	; class	: Cont.(S1) : F	
Locked rotor torque	: 240 %	Service fa	ctor	: 1.25	
Breakdown torque Rated speed	: 280 % : 3510 rpm	Temperatu Design	ure rise	: 80 K : A	
Heating constant	•				
Cooling 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



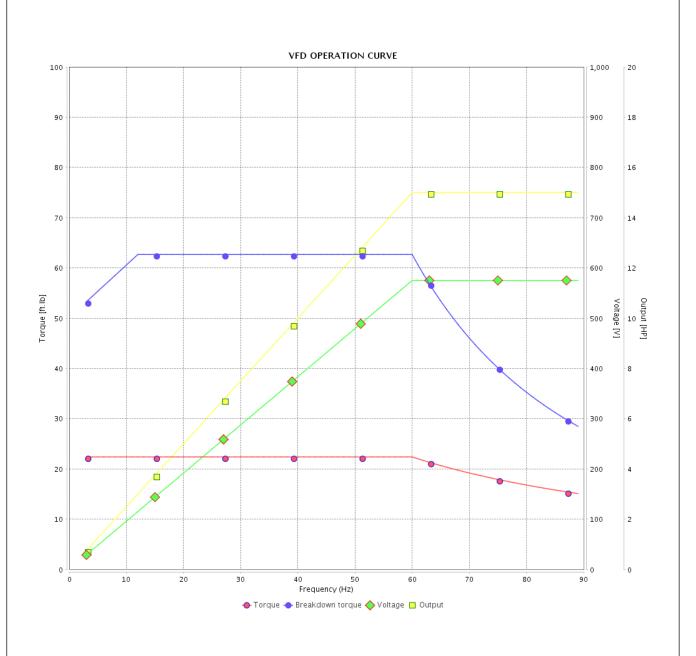
Customer :

Product line : NEMA Premium Efficiency Three- Pro

Phase

Product code: 11708306

Catalog #: 01536ET3H215JM-W22



Performance : 575 V 60 Hz 2P							
Rated current : 13		3.6 A	Moment of	Moment of inertia (J)		.lb	
LRC : 7.6		.6	Duty cycle	Duty cycle			
Rated torque : 2		2.4 ft.lb	Insulation	Insulation class			
•		40 %	Service fa	actor	: 1.25		
Breakdown torque :		80 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 3	510 rpm	Design			: A	
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