DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEN Phas		ım Efficiency ⁻	Three- Product code : Catalog #:	12088976 70036ET3G588/9S-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torqu Insulation class Service factor		: 2 : 60 H : 460 : 736 : 529 : 7.25 : 155 : 358 : 0.42	HP (515.2 V A 9 A ((Code G) A 5 rpm 2 % 0 ft.lb %	20 kW)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 61s (cold) 34s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 89.0 dB(A) : Direct On Line : 5321 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	96.2	96.6	96.6	Max. traction	: 2688 lb
Power Factor	0.00	0.86	0.90	0.91	Max. compression	: 8008 lb
Bearing type Sealing Lubrication interv Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	63 Taconit 4	<u>re end</u> 314 C3 te Labyrinth 000 h 27 g Mo	Non drive er 6314 C3 Taconite Laby 4000 h 27 g sbil Polyrex EM	
Notes						

140103

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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Customer	:					
		Space	heater informat	ion		
Voltage: 200 - 24	10 V					
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

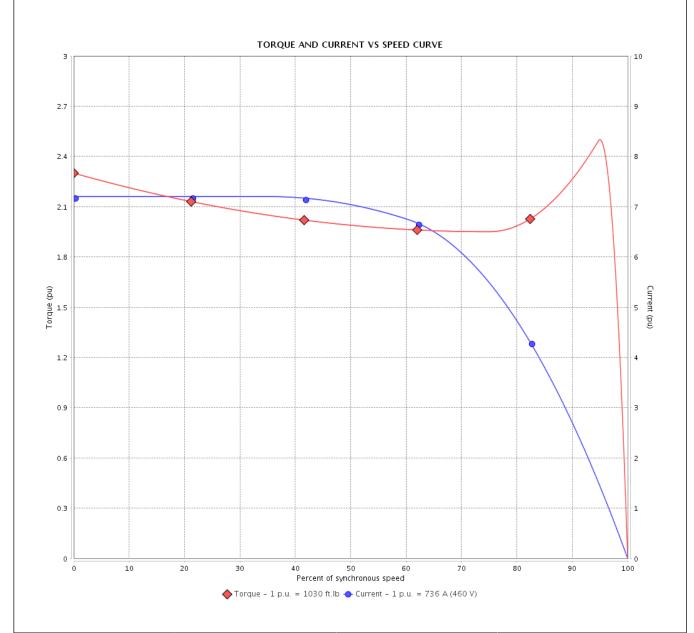


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12088976

Phase

Catalog #: 70036ET3G588/9S-W22



Performance	: 460 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 736 A : 7.2 : 1030 ft.lb : 229 % : 250 % : 3585 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: Cont.(S1) : F : 1.00 : 105 K	
Locked reter time	: 61c (cold) 34c (bot)			

Locked rotor time : 61s (cold) 34s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



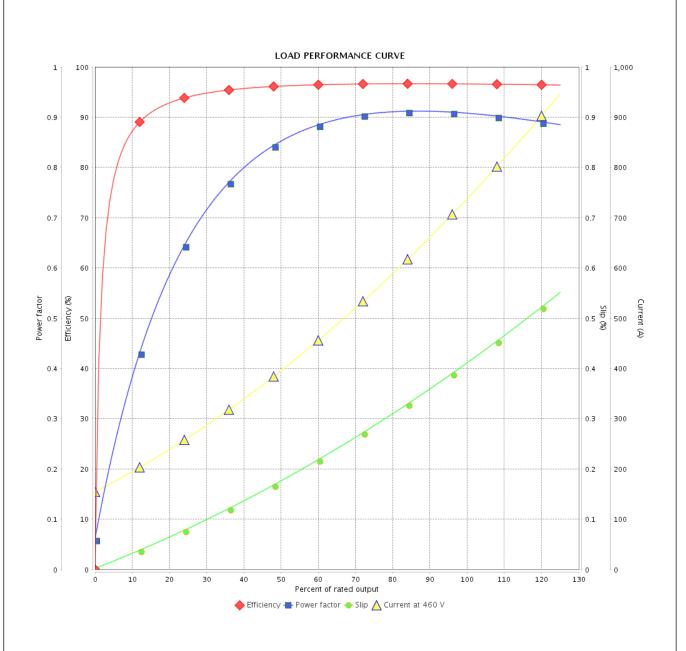
Customer

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 12088976

Catalog #: 70036ET3G588/9S-W22



Performance : 460 V 60 Hz 2P

Rated current : 736 A Moment of inertia (J)

LRC : 7.2 Duty cycle : Cont.(S1)

Rated torque : 1030 ft.lb Insulation class : F
Locked rotor torque : 229 % Service factor : 1.00
Breakdown torque : 250 % Temperature rise : 105 K

Rated speed : 3585 rpm

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



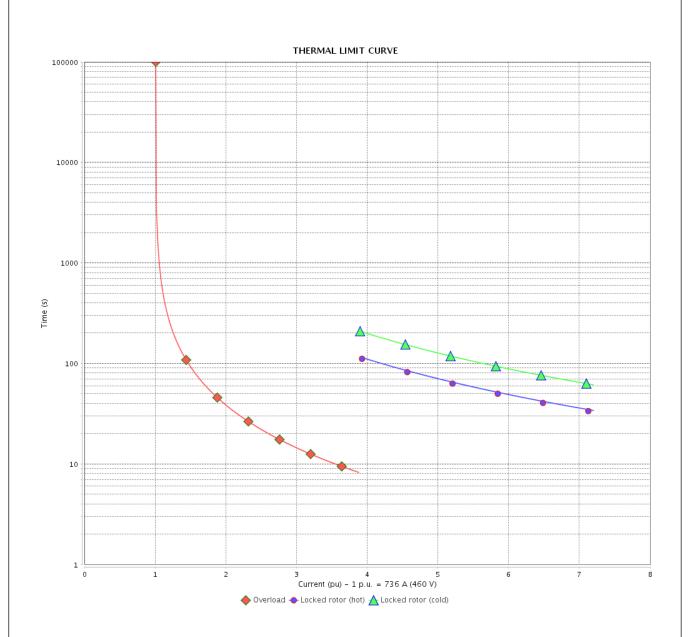
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Product line	: î Pl	NEMA Premium Efficiency ⁻ hase		Product code : Catalog # :	12088976 70036ET3G	588/9S-W22
D. (201/2011 2D				
Performance Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 73 : 7. : 10 que : 22 ue : 28	60 V 60 Hz 2P 36 A 2 030 ft.lb 29 % 50 % 585 rpm	Moment of Duty cycle Insulation Service fa Temperate	class ctor	: Cont.(S1) : F : 1.00 : 105 K	
Heating constant						
Cooling constant		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



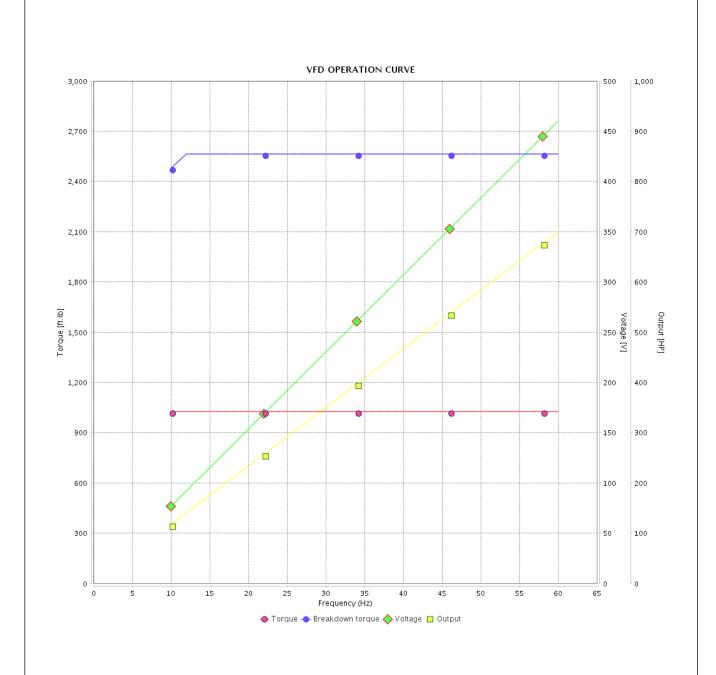
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 70036ET3G588/9S-W22

12088976



Performance : 460 V 60 Hz 2P

Rated current : 736 A Moment of inertia (J)

LRC : 7.2 Duty cycle : Cont.(S1) : 1030 ft.lb : F Rated torque Insulation class : 1.00 Locked rotor torque : 229 % Service factor Breakdown torque : 250 % Temperature rise : 105 K

Rated speed : 3585 rpm

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