DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEN Phas		m Efficiency	Three- Product code : Catalog # :	12038158 01509ET3H286T-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		: 8 : 60 H : 575 : 15.7 : 86.2 : 5.5 : 7.8 ⁴ : 880 : 2.22 : 89.5 : 200 : 229 : F	HP (11 kW) Hz V 7 A 2 A ((Code G) I A rpm 2 % 5 ft.lb %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 45s (cold) 25s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 54.0 dB(A) : Direct On Line : 416 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	84.8 0.37	85.5 0.62	90.0 0.72	90.2 0.78	Max. traction Max. compression	: 690 lb : 1106 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	Drive end : 6311 C3 : V'Ring : 20000 h : 18 g : Mo		Non drive end 6211 C3 V'Ring 20000 h 11 g obil Polyrex EM	<u>1</u>
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



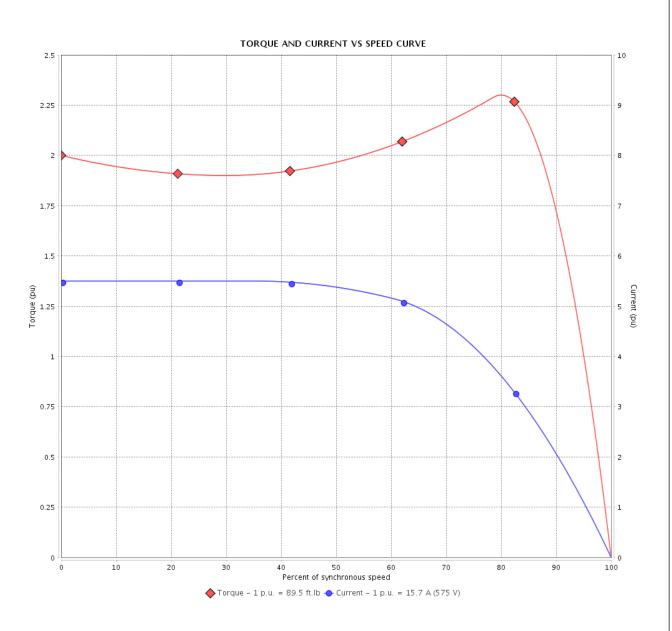
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12038158

Catalog #: 01509ET3H286T-W22



Performance : 575 V 60 Hz 8P Rated current : 15.7 A Moment of inertia (J) : 8.18 sq.ft.lb **LRC** : 5.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 89.5 ft.lb : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 880 rpm Design : B

Locked rotor time : 45s (cold) 25s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12038158

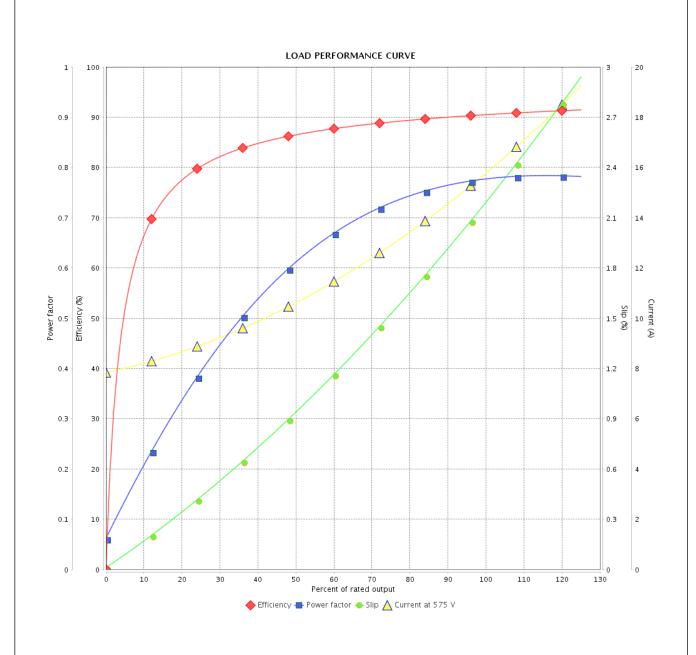
Phase

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Revision



Performance	: 575 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 15.7 A : 5.5 : 89.5 ft.lb : 200 % : 229 % : 880 rpm	Duty cycle Service factor Service factor Temperature rise		: 8.18 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



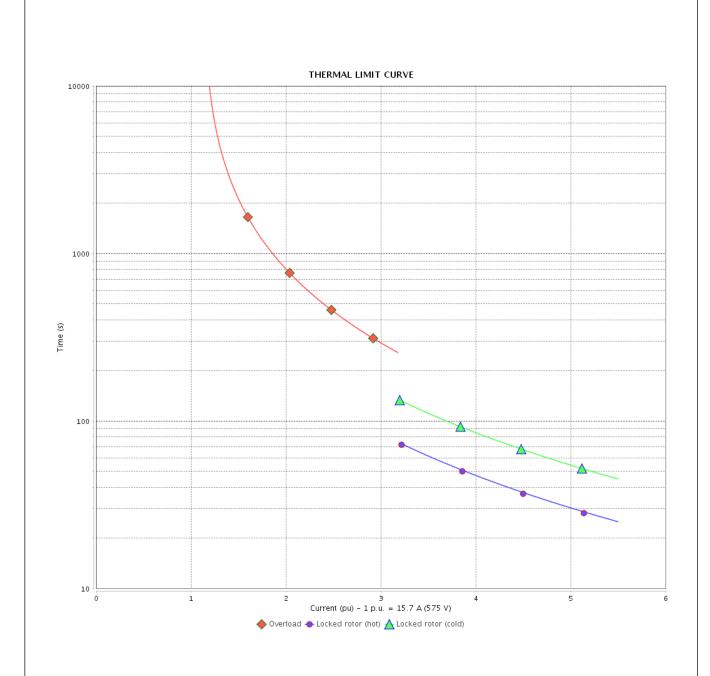
Customer	:					
Product line		NEMA Premium Efficiency l		Product code :	12038158	00T M/00
			(Catalog # :	01509ET3H2	86T-W22
Performance	: 57	75 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1! : 5. : 89 : 20 e : 22	5.7 A	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 8.18 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
		•				
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



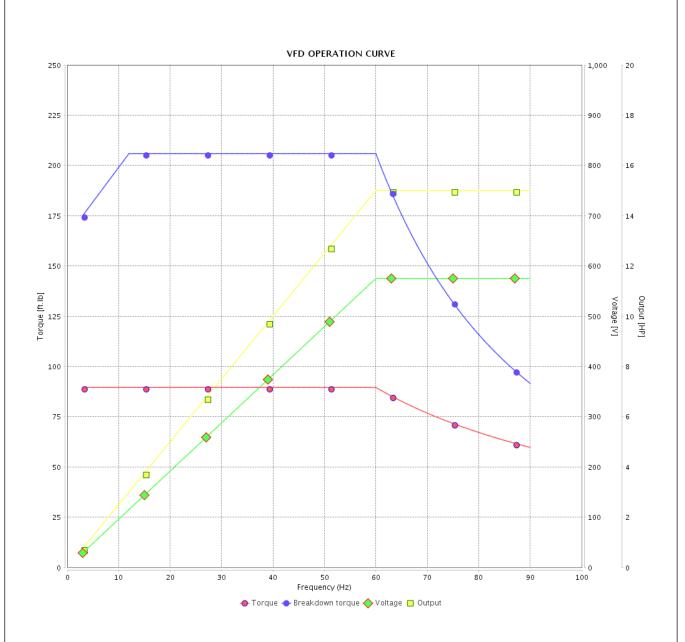
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12038158

Catalog #: 01509ET3H286T-W22



Performance	: 575 V 60 Hz 8P				
Rated current LRC	: 15.7 A : 5.5	Moment of inertia (J) Duty cycle		: 8.18 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque	: 89.5 ft.lb : 200 % : 229 %	Insulation class Service factor Temperature rise		: F : 1.25 : 80 K	
Rated speed	: 880 rpm	Design		: B	
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