DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEN Phas		m Efficiency	Three- Product code Catalog #:	:	12446944 01512ET3H284T-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 torqu Insulation class Service factor Moment of inertic	ie	: 6 : 60 F : 575 : 14.3 : 91.6 : 6.4x : 5.60 : 1173 : 2.08 : 67.0 : 229 : 260 : F : 1.25	HP (11 kW) Hz V 3 A 6 A K(Code G) O A 5 rpm 3 % O ft.lb W		Locked rotor time Temperature rise Duty cycle Ambient temperatur Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	е	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 59.0 dB(A) : Direct On Line : 408 lb	
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	90.8	91.0	91.7	91.7	Max. traction	:	556 lb	
Power Factor	0.44	0.69	0.80	0.84	Max. compression	:	964 lb	
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : : : : : : : : : : : : : : : : : :	63 V' 20	<u>e end</u> 11 C3 'Ring 000 h 18 g	Non drive 6211 V'Ri 2000 11 obil Polyrex EM	C3 ng 0 h		
Notes								

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



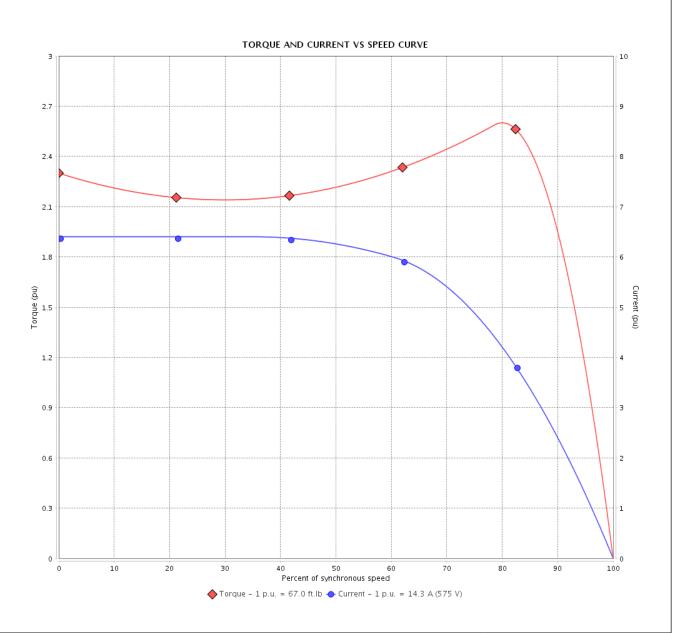
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 12446944

Catalog #: 01512ET3H284T-W22



Performance : 575 V 60 Hz 6P Rated current : 14.3 A Moment of inertia (J) : 7.85 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 67.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1175 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



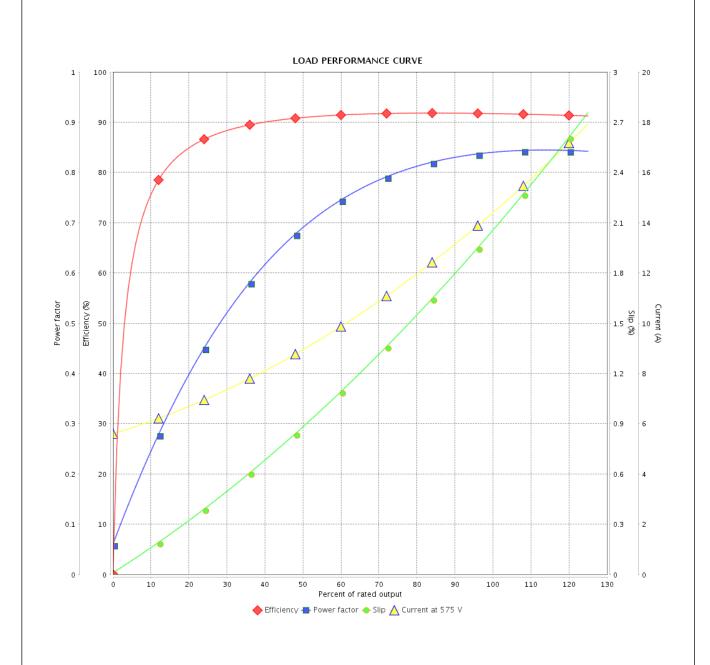
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12446944

Phase

Catalog #: 01512ET3H284T-W22

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Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.3 A : 6.4 : 67.0 ft.lb : 229 % : 260 % : 1175 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



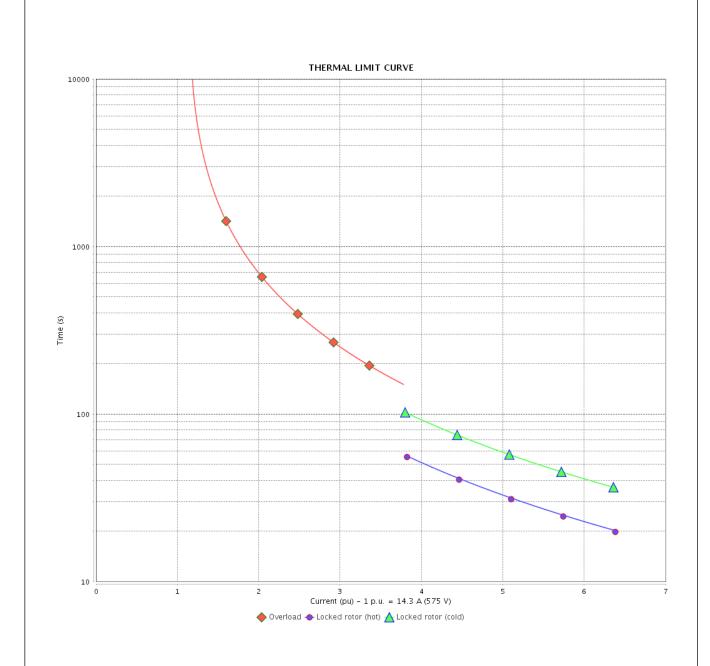
Customer	:				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	12446944	
	Filase		Catalog # :	01512ET3H2	84T-W22
Performance	: 575 V 60 Hz 6P				
Rated current LRC	: 14.3 A : 6.4	Duty cycle	f inertia (J)	: 7.85 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque	: 67.0 ft.lb : 229 %	Insulation Service fa		: F : 1.25	
Breakdown torque	: 260 %	Temperatu		: 1.25 : 80 K	
Rated speed	: 1175 rpm	Design		: 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 :

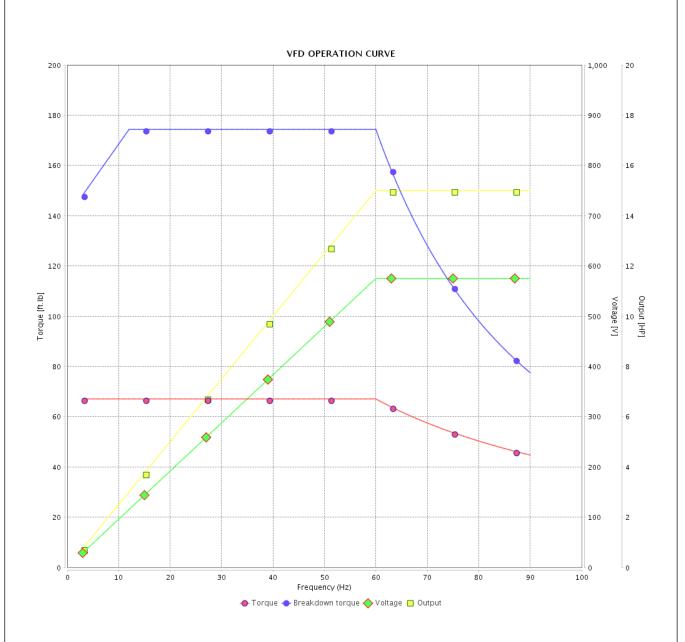
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12446944

Catalog #: 01512ET3H284T-W22

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Performance	: 575 V 60 Hz 6P				
Rated current LRC	: 14.3 A : 6.4	Moment of inertia (J)		: 7.85 sq.ft.lb	
Rated torque	: 67.0 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor torque	: 229 %	Service factor		: 1.25	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 1175 rpm	Design		: B	
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Date

