DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase			Three- Product code : Catalog #:	12803308 03018ET3H286T-W22G
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		: 4 : 60 k : 575 : 28.7 : 171 : 6.1) : 10.4 : 176 : 1.94 : 89.3 : 240 : F : 1.25	HP (22 kW) Hz V 1 A A K(Code G) 4 A 5 rpm 4 % 3 ft.lb %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 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) : 63.0 dB(A) : Direct On Line : 465 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.3	93.0	93.0	93.6	Max. traction	: 702 lb
Power Factor	0.46	0.70	0.80	0.84	Max. compression	: 1166 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end		Non drive er 6211 C3 V'Ring 20000 h 11 g obil Polyrex EM	_
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

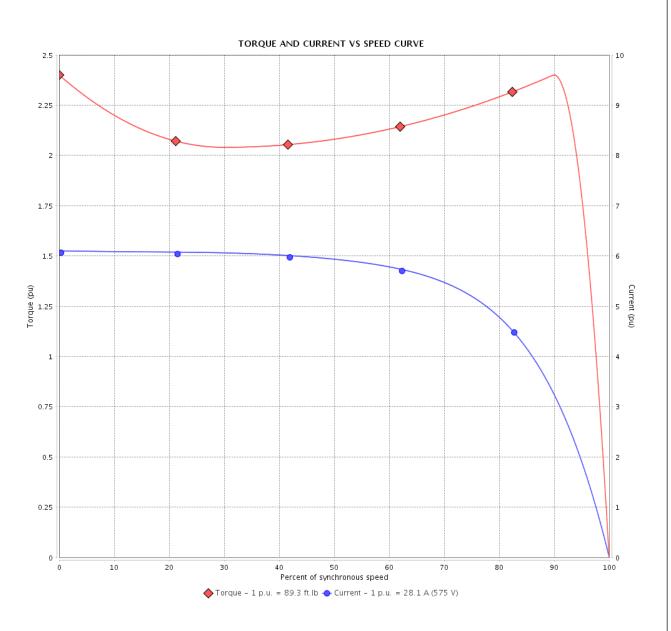


Customer

Product line : NEMA Premium Efficiency Three-

Product code: 12803308

Catalog #: 03018ET3H286T-W22G



Performance : 575 V 60 Hz 4P Rated current : 28.1 A Moment of inertia (J) : 5.85 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 89.3 ft.lb : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

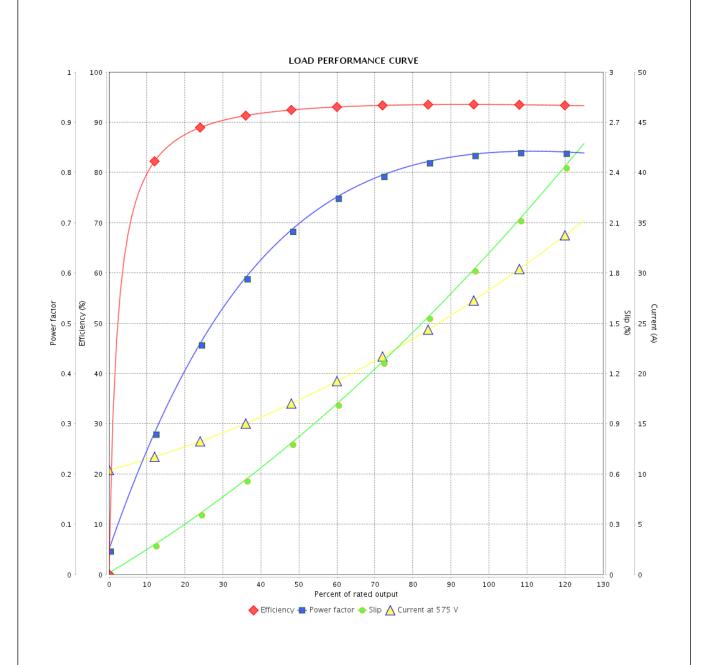
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 03018ET3H286T-W22G

12803308

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Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.1 A : 6.1 : 89.3 ft.lb : 240 % : 240 % : 1765 rpm	Duty cycle ft.lb Insulation class Service factor Temperature rise		: 5.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



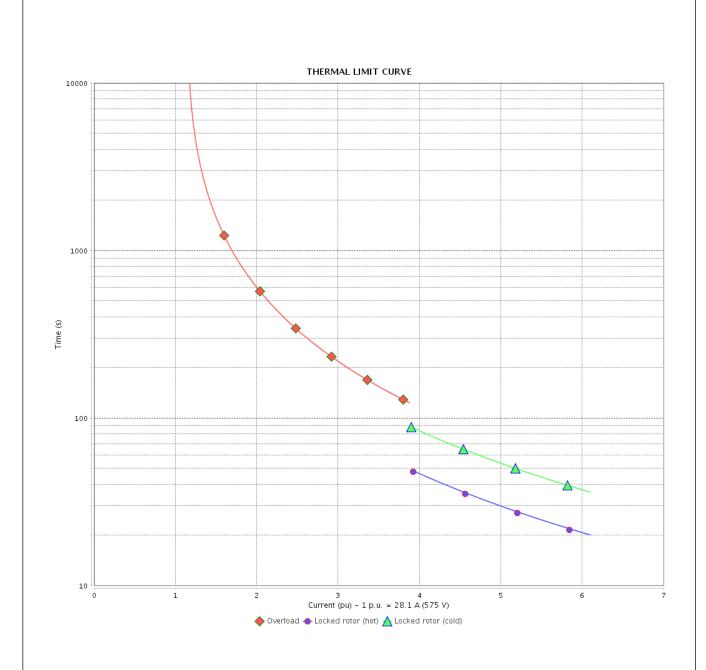
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12803308 03018ET3H28	36T-W22G
				- Catalog # .	000102101120	
Performance		: 575 V 60 Hz 4P				
Rated current LRC		: 28.1 A : 6.1	Moment of Duty cycle	of inertia (J)	: 5.85 sq.ft.lb : Cont.(S1)	
Rated torque		: 89.3 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 240 % : 240 %	Service fa Temperat		: 1.25 : 80 K	
Rated speed		: 1765 rpm	Design	J. 5 1.00	: B	
Heating constan						
Cooling constant	t	01 0				
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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

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Product line : NEMA Premium Efficiency Three-

Phase

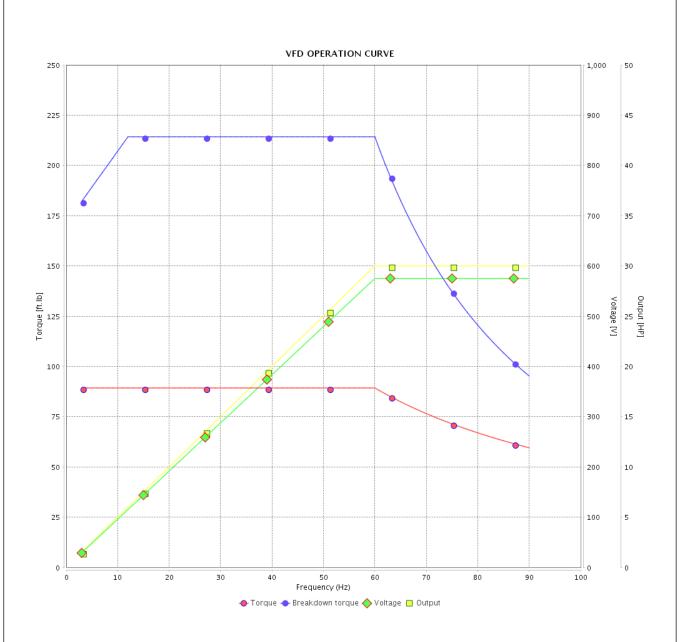
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Revision



		<u> </u>		
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