DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEMA Premium Efficiency Three- Phase			Product code : Catalog # :		1440265 3018ET3H286T-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		: 284/6T : 30 HP (22 kW) : 4 : 60 Hz : 575 V : 28.1 A : 171 A : 6.1x(Code G) : 10.4 A : 1765 rpm : 1.94 % : 89.3 ft.lb : 240 % : 240 % : F : 1.25 : 5.85 sq.ft.lb : B		Temp Duty Amb Altitu Prote Cool Mour Rota Noise Start	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	50%	75%	100%		ation loads	_	00 !!	
Efficiency (%) Power Factor	93.0 0.70	93.0 0.80	93.6 0.84	Max. tr Max. c	ompression		02 lb 166 lb	
Bearing type : 6311 C3 Sealing : V'Ring Lubrication interval : 20000 h Lubricant amount : 18 g Lubricant type : Me		Mobil Polyr	Non drive e 6211 C3 V'Ring 20000 h 11 g ex EM	3				
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



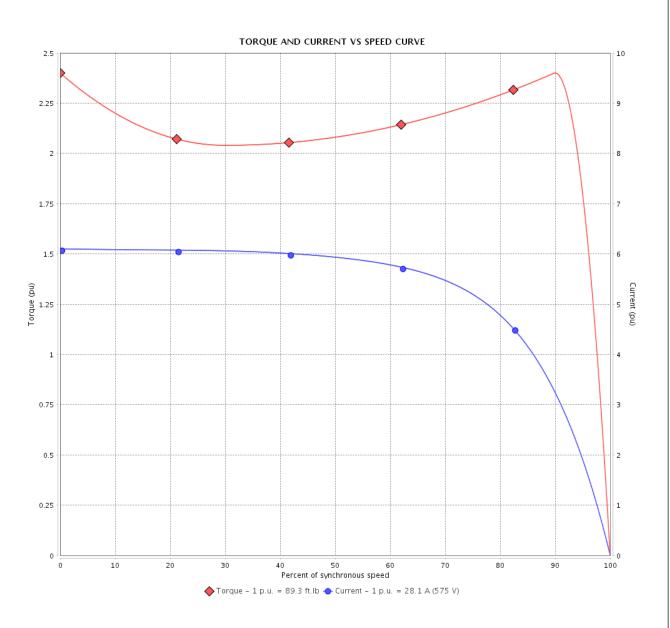
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11440265

Catalog #: 03018ET3H286T-W22



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 Service factor Locked rotor torque : 240 % : 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

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 11440265

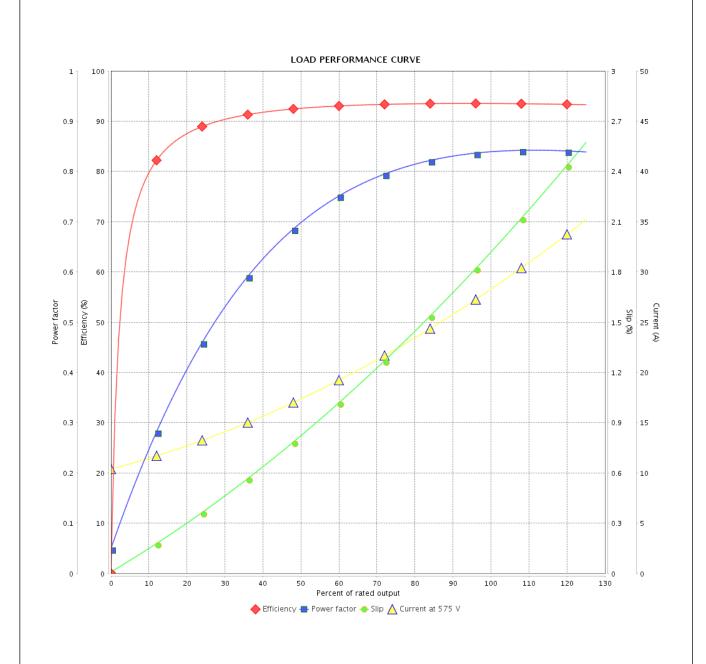
Phase

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Revision



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	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 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



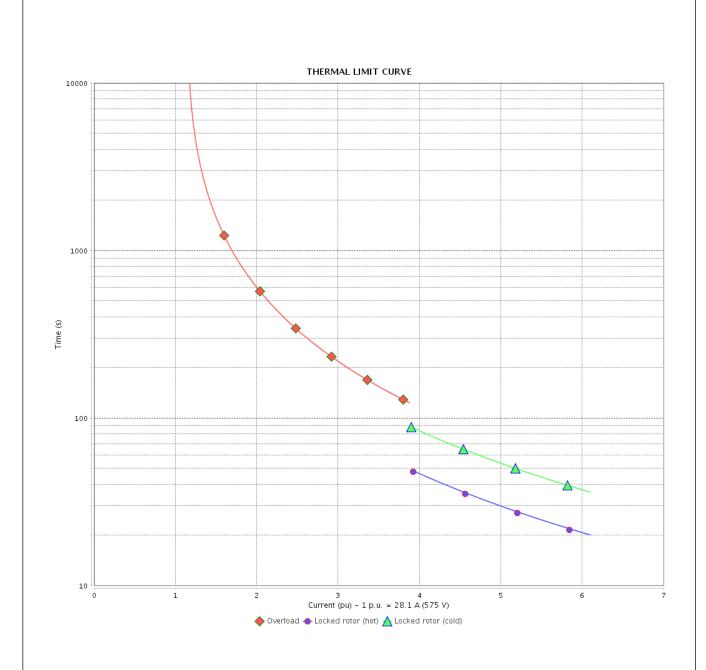
Customer	:					
Product line		NEMA Premium Efficiency hase	Three-	Product code :	11440265	
	PI	nase		Catalog # :	03018ET3H28	36T-W22
Performance		75 V 60 Hz 4P 3.1 A	Mamonta	finartia (I)	· E OE og filb	
Rated current LRC	: 6.	1	Duty cycle	f inertia (J)	: 5.85 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torqu		9.3 ft.lb 40 %	Insulation Service fa		: F : 1.25	
Breakdown torque	: 24	40 %	Temperatu		: 80 K	
Rated speed	: 17	765 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		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



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Customer :

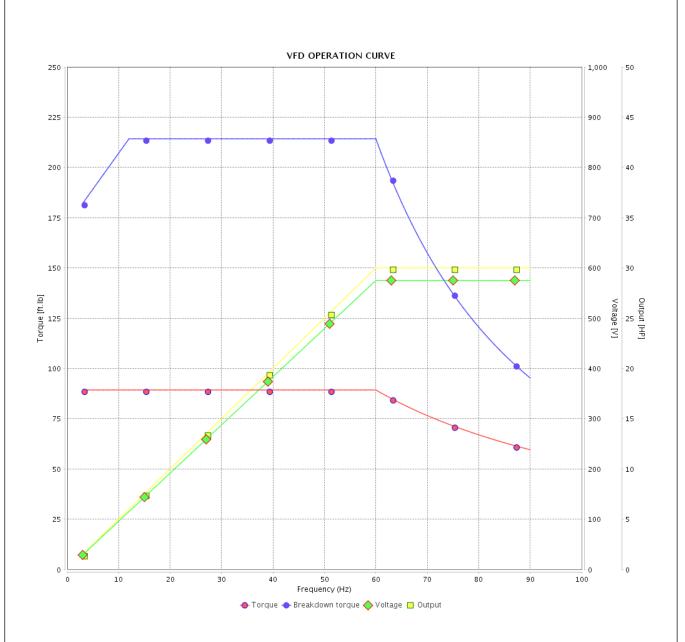
Checked by

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11440265

Catalog #: 03018ET3H286T-W22



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

