DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase			Three- Product code : Catalog # :	11535562 03018ET3H286TC-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		: 284/6TC : 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)	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 : 473 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.3	93.0	93.0	93.6	Max. traction	: 698 lb
Power Factor	0.46	0.70	0.80	0.84	Max. compression	: 1171 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end		Non drive end 6211 C3 V'Ring 20000 h 11 g obil Polyrex EM	<u>I</u>
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



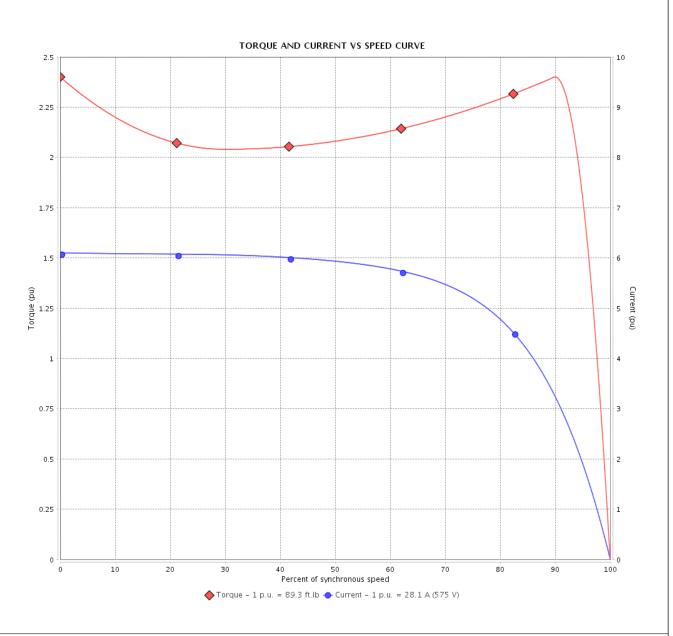
Customer :

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11535562

Catalog #: 03018ET3H286TC-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 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

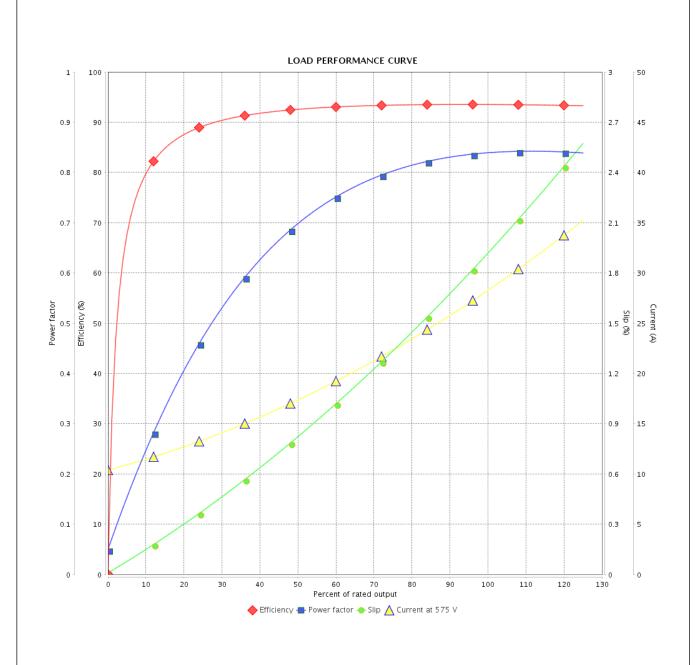


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11535562

Phase

Catalog #: 03018ET3H286TC-W22



Performance		75 V 60 Hz 4P					
Rated current ::		8.1 A Moment of inertia (J)		: 5.85 sq.ft.lb			
LRC : 6		.1	Duty cycle		: Cont.(S1)		
Rated torque :		9.3 ft.lb	Insulation class		:F ^		
Locked rotor torque		40 %	Service fa	Service factor		: 1.25	
Breakdown torque	: 2	40 %	Temperati	Temperature rise			
Rated speed	: 1	765 rpm	Design		: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



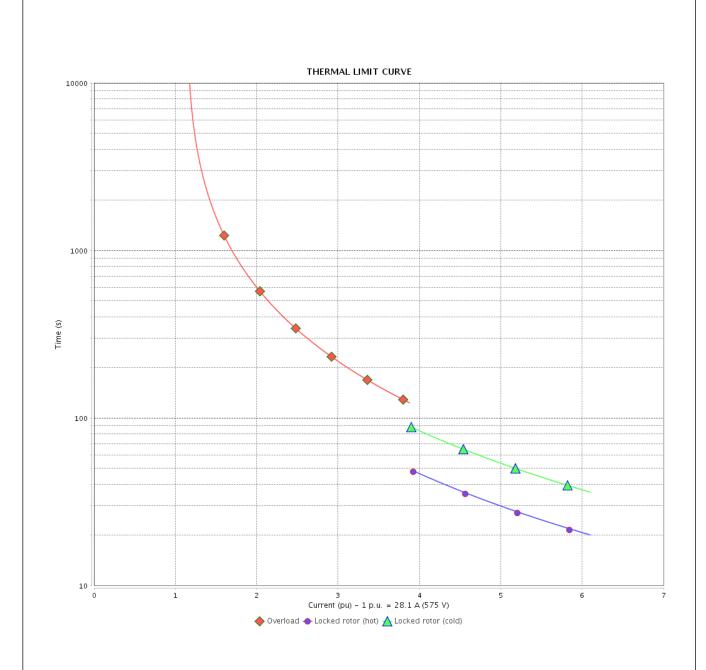
Customer	:			·	
Product line	: NEMA Premium Efficiency	Three-	Product code :	11535562	
	Phase		Catalog # :	03018ET3H2	96TC \N/22
			Catalog # .	03016E13H2	001C-VVZZ
Performance	: 575 V 60 Hz 4P	1			
Rated current LRC	: 28.1 A : 6.1	Moment o	f inertia (J)	: 5.85 sq.ft.lb : Cont.(S1)	
Rated torque	: 89.3 ft.lb	Insulation	class	: F	
Locked rotor torque	: 240 %	Service fa		: 1.25	
Breakdown torque Rated speed	: 240 % : 1765 rpm	Temperatu Design	ire rise	: 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 :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

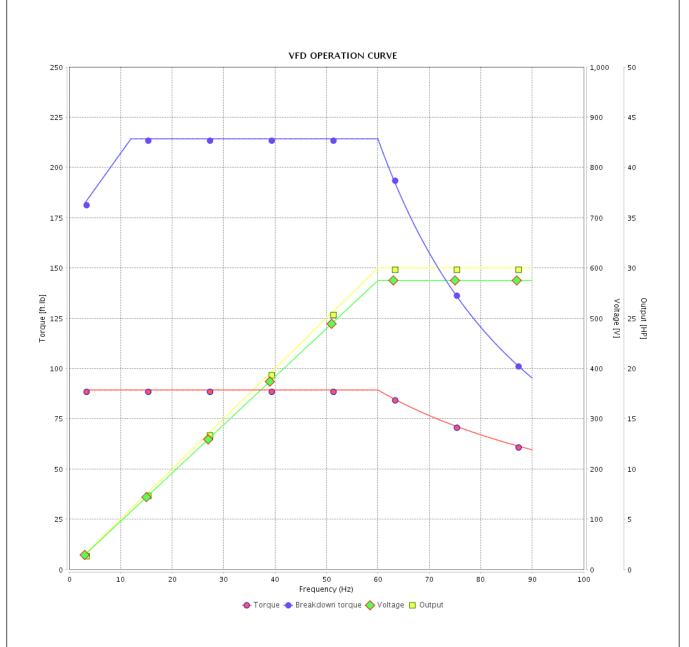
Product code: 11535562

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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 Duty cycle Insulation Service fa Temperation	class ector	: 5.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		у	Performed	Checked	Date
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