DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer		:						
Product line		: NEMA F Phase	remium Efficienc	y Three-	Three- Product code : Catalog # :		11684307 06036ST3HIE364TS-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 inerti Design	ue	: 364/5TS : 60 HP (4 : 2 : 60 Hz : 575 V : 53.6 A : 343 A : 6.4x(Co : 12.0 A : 3550 rpi : 1.39 % : 88.8 ft.lk : 190 % : 250 % : F : 1.25 : 10.6 sq.	45 kW) de G) m	Temp Duty Ambie Altitud Prote Coolie Moun Rotat Noise Starti	ent temperature de ction degree ng method ting	: 80 k : Con : -20° : 100 : IP5 : IC4 : F-1 : Bott	oft.(S1) C to +40°C 0 m.a.s.l. 11 - TEFC In (CW and CCW) OdB(A) Od Control O	
Output	50%	75%	100%		tion loads			
Efficiency (%)	91.7	93.0	93.6	Max. tra		: 328 lb		
Power Factor	0.81	0.88	0.90	Max. co	ompression	: 1190	ID	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	Drive end 6314 C3 Inpro/Seal 4000 h 27 g Mol		Non drive end 6314 C3 Inpro/Seal 4000 h 27 g obil Polyrex EM			
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

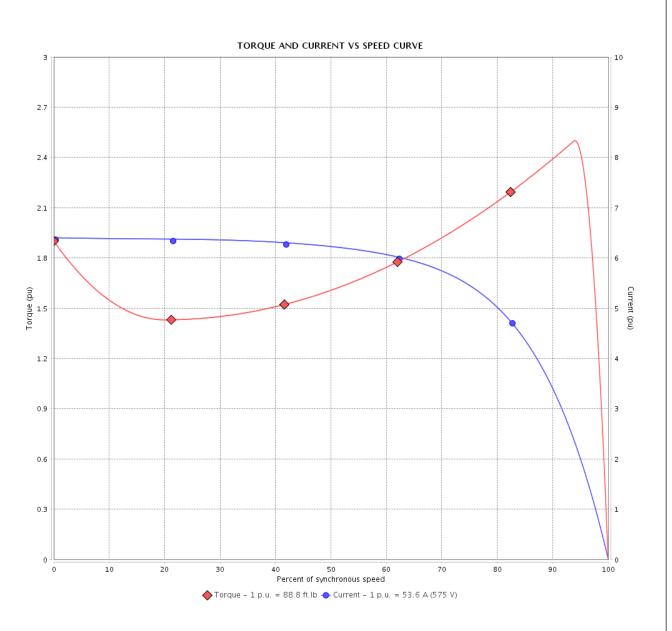
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11684307

Catalog #: 06036ST3HIE364TS-W22



Performance : 575 V 60 Hz 2P Rated current : 53.6 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 88.8 ft.lb Insulation class Rated torque : F Locked rotor torque : 190 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3550 rpm Design : B Locked rotor time

: 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

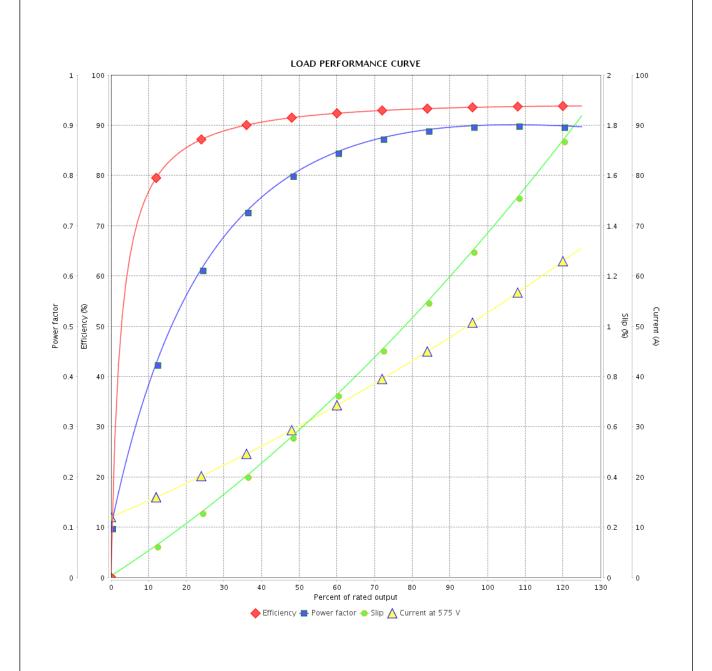


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11684307

Phase

Catalog #: 06036ST3HIE364TS-W22



Performance	: 5	: 575 V 60 Hz 2P						
Rated current	:	3.6 A Moment of inertia (J)		f inertia (J)	: 10.6 sq.ft.lb			
LRC	: 6	6.4	Duty cycle		: Cont.(S1)			
Rated torque	: 8	38.8 ft.lb	Insulation class		: F			
Locked rotor torque	e : '	190 %	Service factor		: 1.25			
Breakdown torque	: 2	: 250 %		ıre rise	: 80 K			
Rated speed	: 3550 rpm		Design	Design				
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



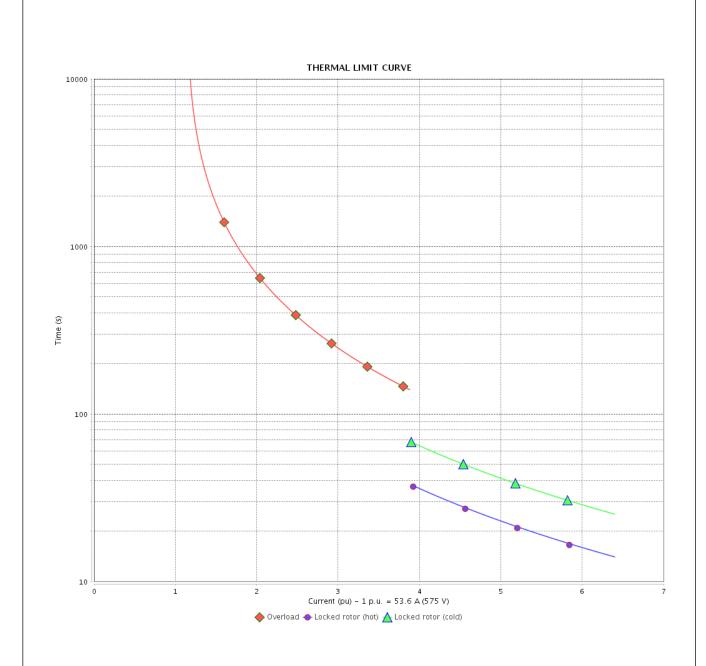
Customer	:				
Product line	: NEMA Premium Efficien Phase		Product code : Catalog # :	11684307 06036ST3HII	E364TS-W22
Performance	: 575 V 60 Hz 2P				
Rated current LRC	: 53.6 A : 6.4	Moment of Duty cycle	of inertia (J) e	: 10.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 88.8 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque	: 190 % : 250 %	Service fa Temperat		: 1.25 : 80 K	
Rated speed	: 3550 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

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Revision

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Customer

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Date

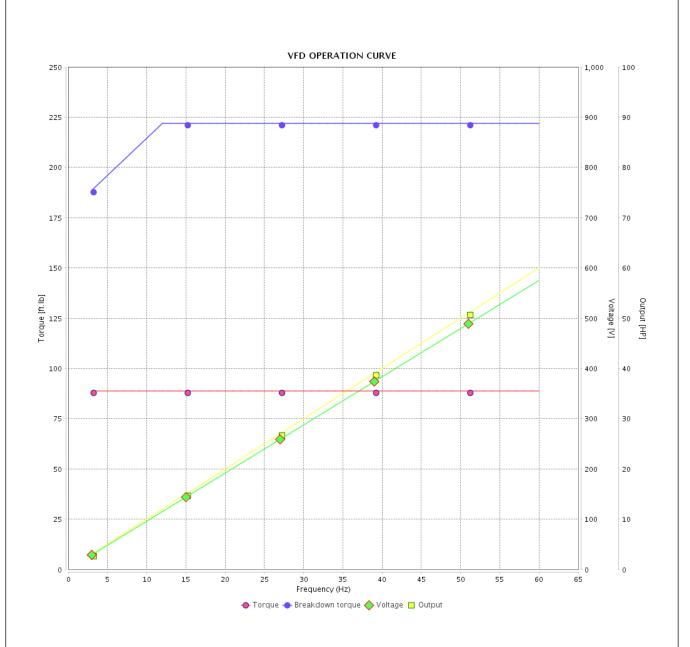
13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11684307

Catalog #: 06036ST3HIE364TS-W22



Performance : 575 V 60 Hz 2P Rated current : 53.6 A Moment of inertia (J) : 10.6 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 88.8 ft.lb Insulation class : F Rated torque Locked rotor torque : 190 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3550 rpm Design : B Rev. Performed Checked Date **Changes Summary**

