DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11611340 Catalog #: 00536ET3H184T-W22 Frame : 182/4T Locked rotor time : 45s (cold) 25s (hot) Output : 5 HP (3.7 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Rated current : 4.72 A Protection degree : IP55 L. R. Amperes : 35.9 A Cooling method : IC411 - TEFC LRC : 7.6x(Code J) Mounting : F-1 No load current : 1.60 A Rotation¹ : Both (CW and CCW) Rated speed : 3485 rpm Noise level² : 66.0 dB(A) Starting method Slip : 3.19 % : Direct On Line Rated torque : 7.53 ft.lb Approx. weight³ : 91.4 lb Locked rotor torque : 229 % Breakdown torque : 350 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2233 sq.ft.lb Design : B 50% 75% 100% Output Foundation loads 88.5 : 123 lb Efficiency (%) 86.5 88.5 Max. traction : 214 lb Power Factor 0.85 0.89 0.76 Max. compression Drive end Non drive end 6206 ZZ Bearing type 6207 ZZ V'Ring Sealing V'Ring Lubrication interval Lubricant amount Lubricant type Mobil 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

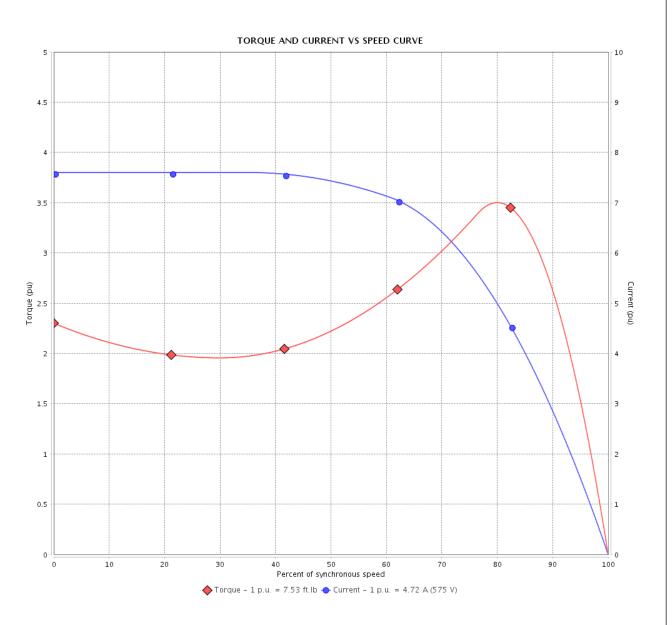
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11611340

Catalog #: 00536ET3H184T-W22



Performance : 575 V 60 Hz 2P Rated current : 4.72 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 7.53 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 350 % Temperature rise : 80 K Rated speed : 3485 rpm Design : B Locked rotor time : 45s (cold) 25s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



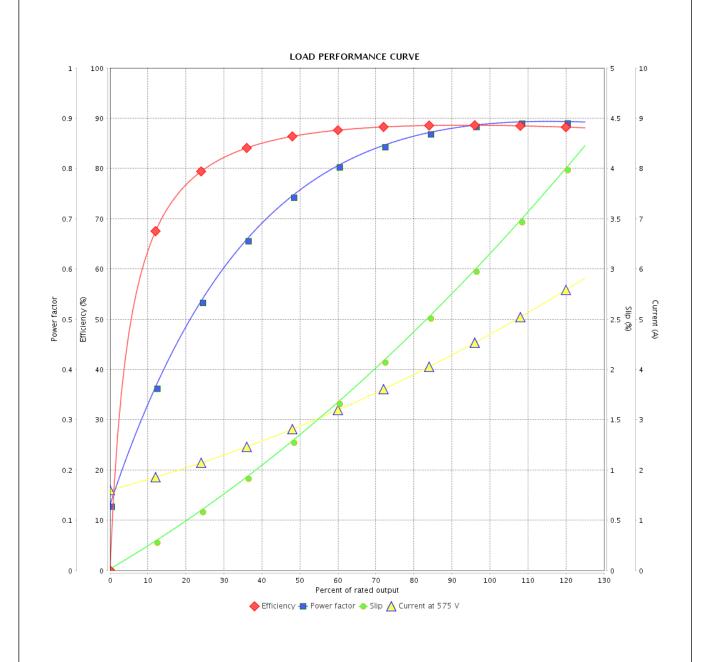
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11611340

Phase

Catalog #: 00536ET3H184T-W22

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Performance	: 575 V 60 Hz 2P				
Rated current	: 4.72 A	Moment of inertia (J)		: 0.2233 sq.ft.lb	
LRC	: 7.6	Duty cycle		: Cont.(S1)	
Rated torque	: 7.53 ft.lb	Insulation class		: F	
Locked rotor torque	: 229 %	Service factor		: 1.25	
Breakdown torque	: 350 %			: 80 K	
Rated speed	: 3485 rpm			: B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



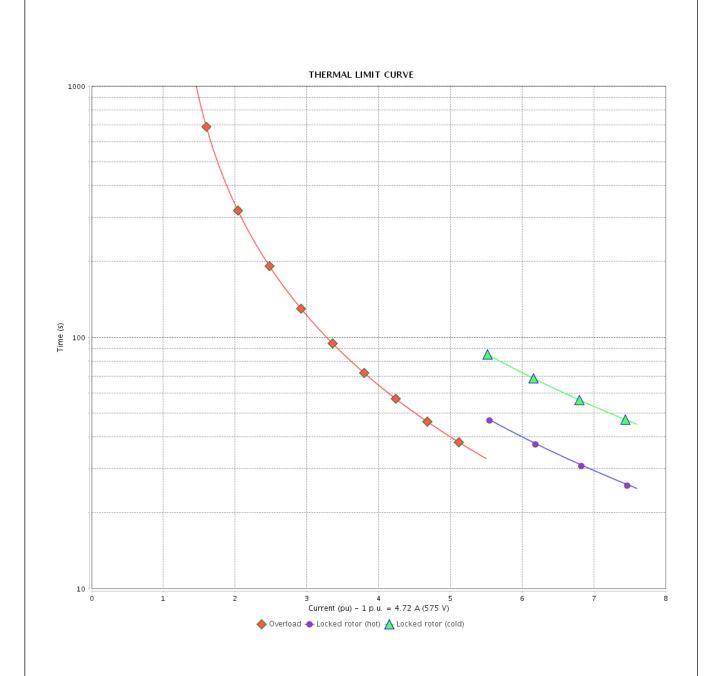
Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11611340 00536ET3H1	84T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 575 V 60 Hz 2P : 4.72 A : 7.6 : 7.53 ft.lb : 229 % : 350 % : 3485 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.2233 sq.ft.l : Cont.(S1) : F : 1.25 : 80 K : B	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



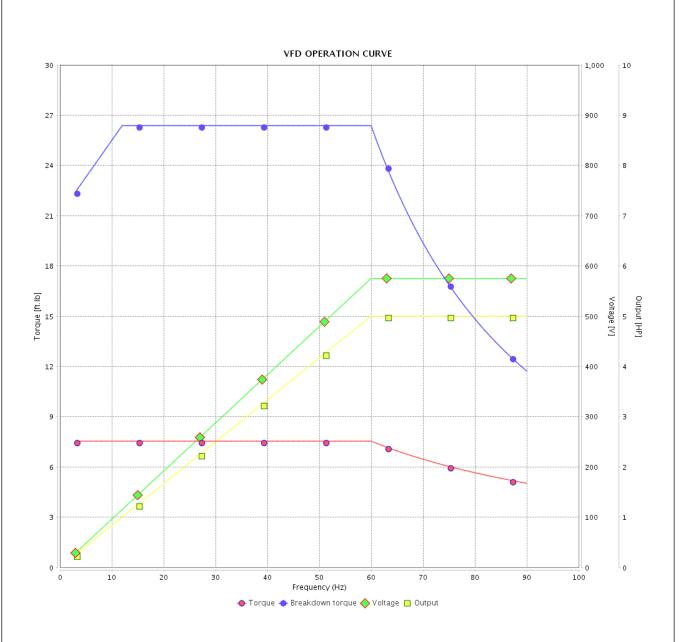
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11611340

Catalog #: 00536ET3H184T-W22



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.72 A : 7.6 : 7.53 ft.lb : 229 % : 350 % : 3485 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
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