DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12795528 Catalog #: 00112OT3H145T-S Frame : 143/5T Locked rotor time : 43s (cold) 24s (hot) Output : 1 HP (0.75 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Frequency : 60 Hz Rated voltage : 575 V Altitude : 1000 m.a.s.l. Cooling method Rated current : 1.32 A : IC01 - ODP L. R. Amperes : 8.05 A Mounting : F-1 : 6.1x(Code K) : Both (CW and CCW) LRC Rotation¹ No load current : 0.902 A Noise level² : 50.0 dB(A) Rated speed : 1150 rpm Starting method : Direct On Line Slip : 4.17 % Approx. weight³ : 34.8 lb Rated torque : 4.57 ft.lb Locked rotor torque : 250 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1419 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 78.5 81.5 82.5 : 102 lb Efficiency (%) 77.2 Max. traction : 136 lb Power Factor 0.47 0.60 0.69 0.26 Max. compression Drive end Non drive end

Bearing type : 6205 ZZ 6203 ZZ
Sealing : Without Bearing Seal Without Bearing Seal
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



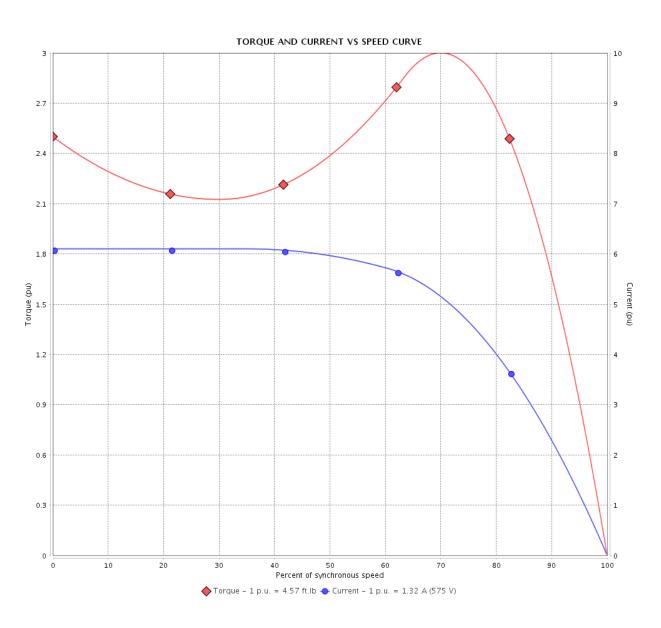
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12795528

Catalog #: 00112OT3H145T-S



Performance : 575 V 60 Hz 6P Rated current : 1.32 A Moment of inertia (J) : 0.1419 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 4.57 ft.lb Service factor : 1.15 Locked rotor torque : 250 % Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1150 rpm Design : B

Locked rotor time : 43s (cold) 24s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

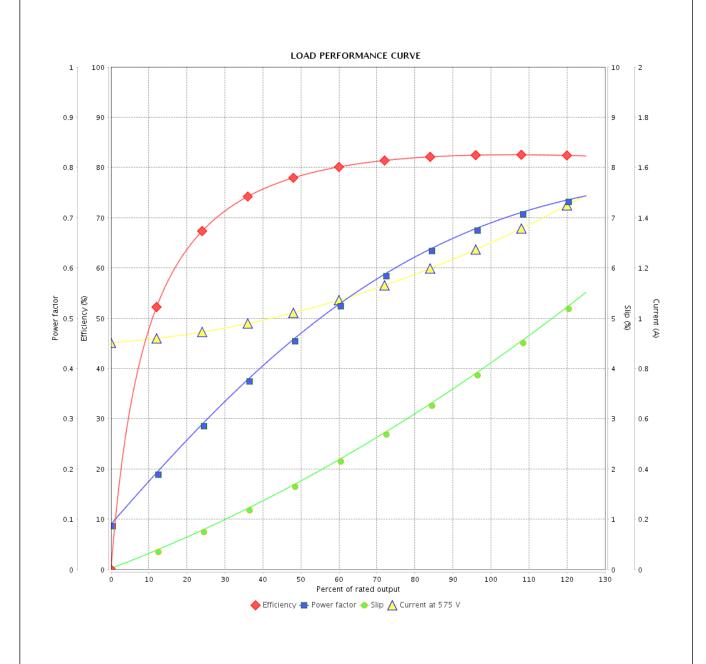


Customer

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 00112OT3H145T-S

12795528



Performance	: 5	75 V 60 Hz 6P				
Rated current :		.32 A	Moment o	Moment of inertia (J)		.lb
LRC : 6.		.1	Duty cycle	Duty cycle		
Rated torque : 4.		.57 ft.lb	Insulation	Insulation class		
Locked rotor torque : 25		50 %	Service fa	Service factor		
Breakdown torque	: 3	00 %	Temperati	Temperature rise		
Rated speed	: 1	1150 rpm Design			: B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



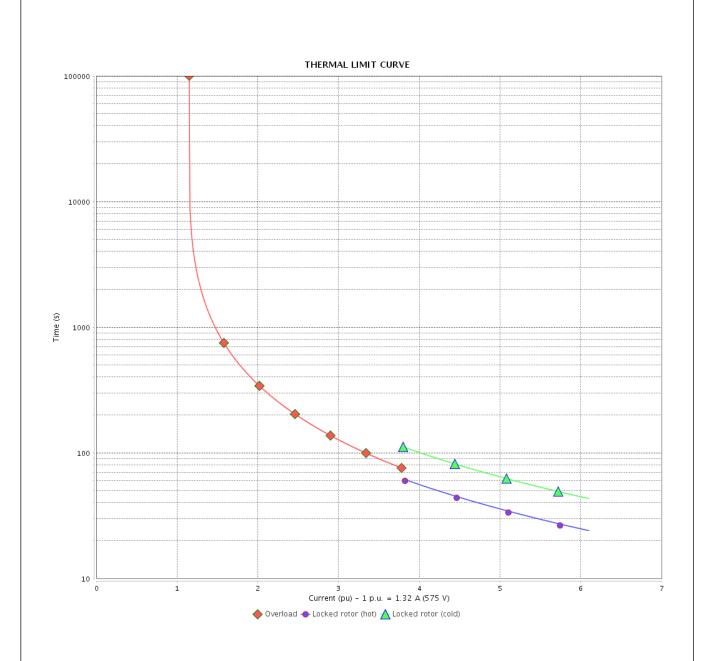
Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	12795528	
				Catalog # :	00112OT3H1	45T-S
D . (F75. \ (00.110D				
Performance Rated current		: 575 V 60 Hz 6P : 1.32 A	Moment	of inertia (J)	: 0.1410 og ft l	<u> </u>
LRC		: 6.1	Duty cycle	e (3)	: 0.1419 sq.ft.l : Cont.(S1)	D
Rated torque		: 4.57 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 250 % : 300 %	Service fa Temperat		: 1.15 : 80 K	
Rated speed		: 1150 rpm	Design	uic lisc	: B	
Heating constan	t					
Cooling constan						
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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

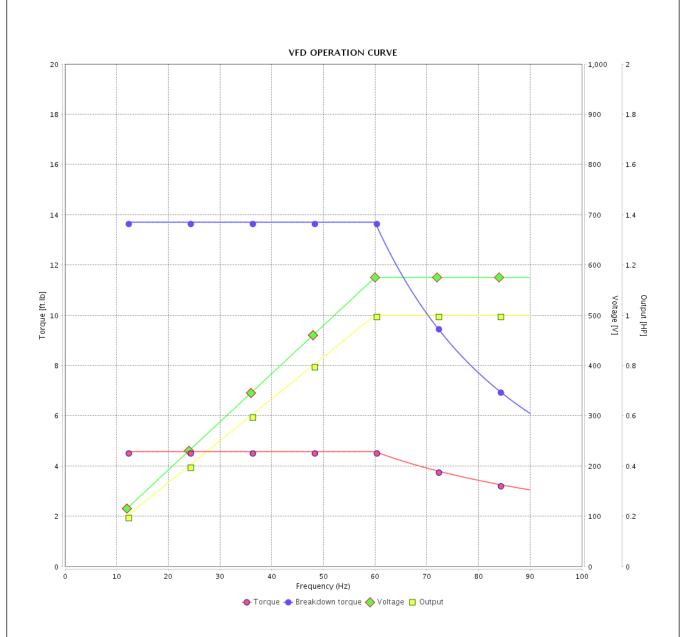


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12795528

Phase

Catalog #: 00112OT3H145T-S



Performance	: 575 V 60 Hz 6P				
Rated current	: 1.32 A Moment of inertia (J)		of inertia (J)	: 0.1419 sq.ft.lb	
LRC	: 6.1	Duty cycle		: Cont.(S1)	
Rated torque	: 4.57 ft.lb	Insulation class		:F	
Locked rotor torque	: 250 %	Service factor Temperature rise Design		: 1.15 : 80 K : B	
Breakdown torque	: 300 %				
Rated speed	: 1150 rpm				
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Checked by				Page	Revision

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11/04/2022

Date

