DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEN Phas		m Efficiency	Three- Product code : Catalog #:	13697239 07536ET3H365TS-W22G
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		: 364/5TS : 75 HP (55 kW) : 2 : 60 Hz : 575 V : 65.5 A : 439 A : 6.7x(Code G) : 16.0 A : 3555 rpm : 1.25 % : 111 ft.lb : 200 % : 250 % : F : 1.25 : 11.9 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	: 18s (cold) 10s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 79.0 dB(A) : Direct On Line : 850 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.6	93.6	Max. traction	: 523 lb
Power Factor	0.60	0.83	88.0	0.90	Max. compression	: 1373 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	<u>Drive end</u> 6314 C3 WSeal 4000 h 27 g		Non drive of 6314 C WSea 4000 h 27 g obil Polyrex EM	23 I
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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

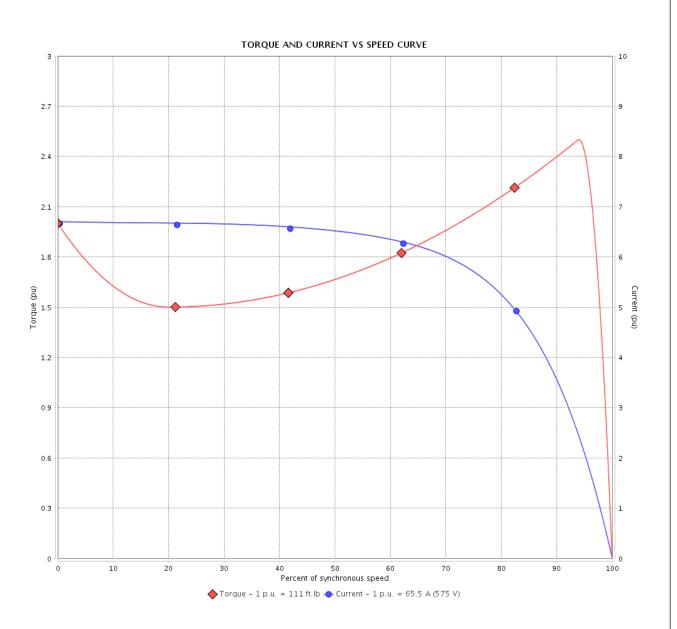


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 13697239

Phase

Catalog #: 07536ET3H365TS-W22G



Performance : 575 V 60 Hz 2P Rated current : 65.5 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) Insulation class Rated torque : 111 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B

Locked rotor time : 18s (cold) 10s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

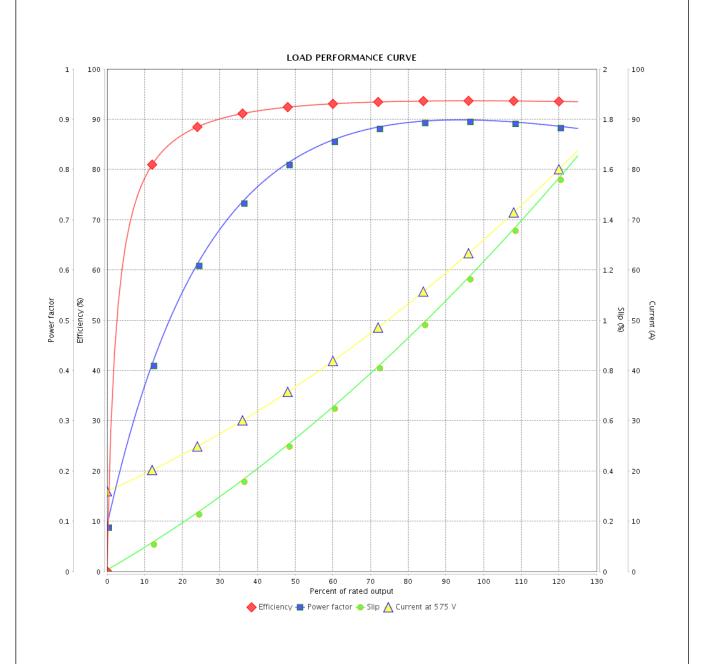


Customer

Product line : NEMA Premium Efficiency Three- Product code : 13697239

Phase

Catalog #: 07536ET3H365TS-W22G



Performance	:	575 V 60 Hz 2P				
Rated current	:	: 65.5 A Moment of		f inertia (J)	: 11.9 sq.ft.lb	
LRC Rated torque		: 6.7 Duty cyc)	: Cont.(S1)	
				class	: F	
Locked rotor torque		200 %	Service factor		: 1.25	
Breakdown torque	e ::	: 250 % Temperature rise Design		Temperature rise		
Rated speed	:				: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				3/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



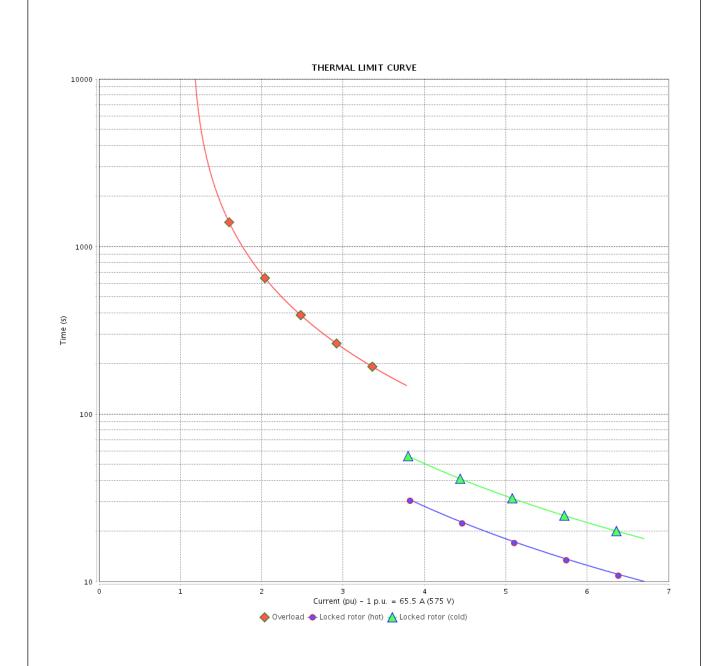
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	13697239 07536ET3H3	65TS-W22G
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: : : : : : : : :	575 V 60 Hz 2P 65.5 A 6.7 111 ft.lb 200 % 250 %	Duty cycle Insulation Service fa Temperati	class ctor	: 11.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K	
Rated speed Heating constant Cooling constant		3555 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	13/04/2022				Page 4/6	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

13/04/2022

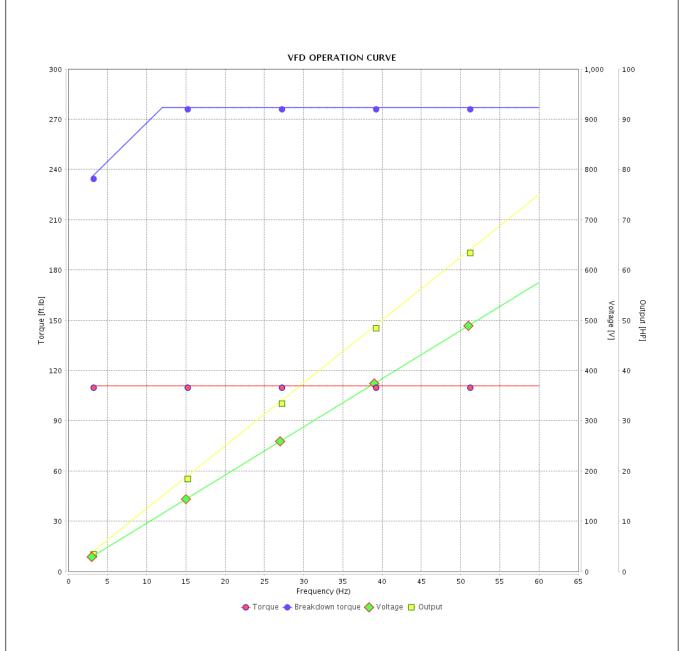
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 13697239

Catalog #: 07536ET3H365TS-W22G

6/6



Performance : 575 V 60 Hz 2P Rated current : 65.5 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) Insulation class : 111 ft.lb : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

