DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:					
Product line		: NEN Phas		n Efficiency ⁻	Three-	Product code :	11164522
						Catalog # :	07518ET3H365T-W22
Frame Output Poles		: 364/5T : 75 HP (55 kW)				ed rotor time erature rise	: 25s (cold) 14s (hot) : 80 K : Cont.(S1)
Frequency Rated voltage		: 4 : 60 H : 575				ent temperature	: -20°C to +40°C : 1000 m.a.s.l.
Rated current L. R. Amperes		: 69.8 : 446	A A		Prote Cooli	ction degree ng method	: IP55 : IC411 - TEFC
LRC No load current Rated speed		: 6.4x(Code G) : 26.4 A : 1780 rpm			Moun Rotat		: F-1 : Both (CW and CCW) : 67.0 dB(A)
Slip Rated torque		: 1.11 % : 221 ft.lb			Starti	ng method ox. weight³	: Direct On Line : 919 lb
Locked rotor tord Breakdown torqu		: 240 % : 260 %				J	
Insulation class Service factor		: F : 1.25					
Moment of inertial Design	a (J)	: 23.3 : B	3 sq.ft.lb				
Output	25%	50%	75%	100%	Founda	ition loads	
Efficiency (%)	94.0	94.5	95.0	95.4	Max. tra		: 1510 lb
Power Factor	0.44	0.68	0.78	0.83	Max. co	ompression	: 2429 lb
Dooring type			<u>Drive</u>	<u>e end</u> I4 C3		Non drive end 6314 C3	
Bearing type Sealing				Seal		WSeal	
Lubrication interv	/al	:		000 h		12000 h	
Lubricant amoun	t	:	2	7 g	27 g		
Lubricant type		:		Мо	bil Polyre	ex EM	
Notos							

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



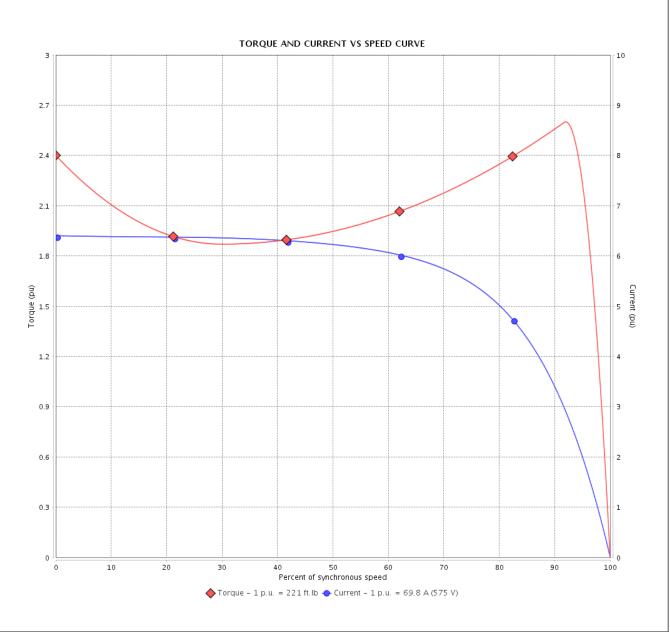
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 07518ET3H365T-W22

11164522



Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 69.8 A : 6.4 : 221 ft.lb : 240 % : 260 % : 1780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 23.3 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Locked rotor time	: 25s (cold) 14s (hot)			

Lookou rotor tiirri		30 (0014) 1 10 (1101)			
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

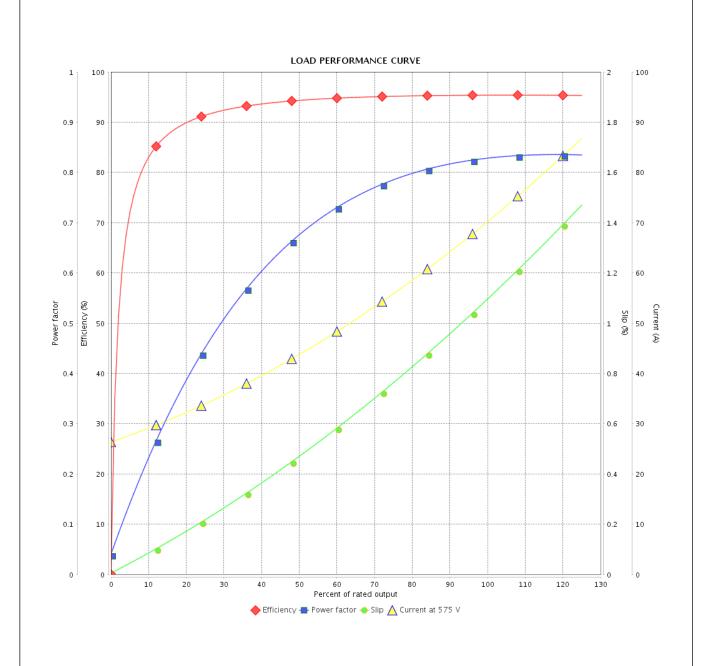


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11164522

Phase

Catalog #: 07518ET3H365T-W22



Performance	. 5	75 V 60 Hz 4P				
Rated current				f inartia (I)	: 22 2 og ft lb	
				f inertia (J)	: 23.3 sq.ft.lb	
LRC	: 6		Duty cycle		: Cont.(S1)	
Rated torque	: 2	21 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	40 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	60 %	Temperati	Temperature rise		
Rated speed	: 1780 rpm		Design	Design		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



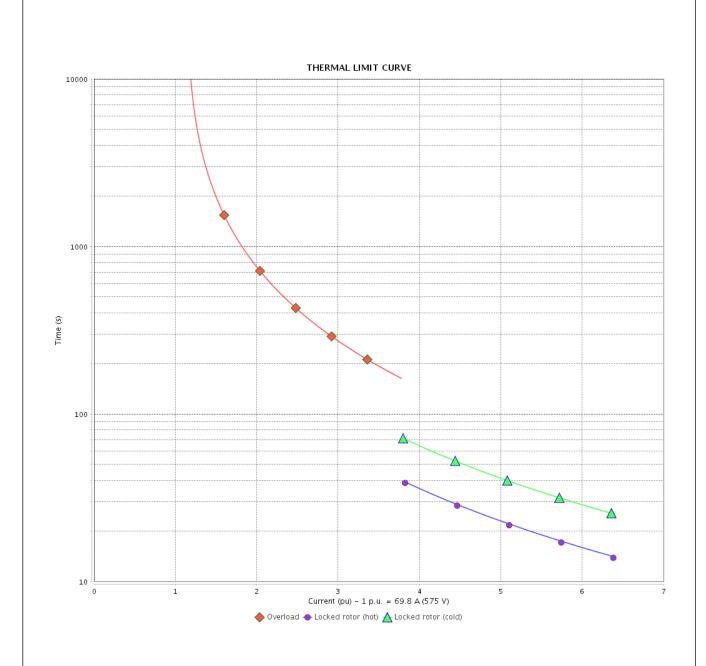
Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11164522	
1 Toddot IIIIc		Phase				
				Catalog # :	07518ET3H3	65T-W22
Performance	:	575 V 60 Hz 4P				
Rated current LRC Rated torque	:	69.8 A 6.4 221 ft.lb 240 %	Moment of Duty cycle Insulation Service fa	class	: 23.3 sq.ft.lb : Cont.(S1) : F : 1.25	
Locked rotor tord Breakdown torqu Rated speed	ie :	240 % 260 % 1780 rpm	Temperati Design		: 1.25 : 80 K : B	
Heating constant						
Cooling constant		Observe O		Devi 1	Ob. 1	
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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 :

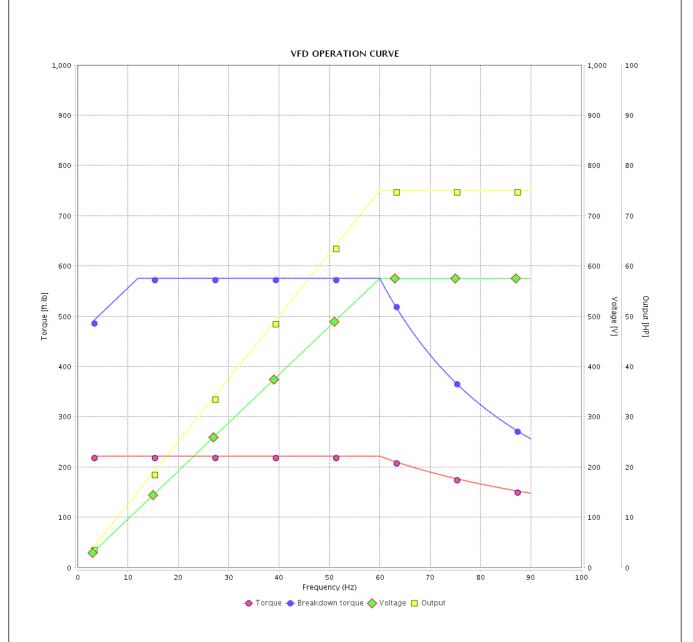
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11164522

Catalog #: 07518ET3H365T-W22

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Performance	: 575 V 60 Hz 4P				
Rated current	: 69.8 A	Moment of	inertia (J)	: 23.3 sq.ft.lb	
LRC	: 6.4	Duty cycle		: Cont.(S1)	
Rated torque	: 221 ft.lb	Insulation class		: F	
Locked rotor torque	: 240 %	Service factor		: 1.25	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 1780 rpm	Design		: B	
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Date

