DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEMA Premium Efficiency T Phase			Three- Product coo	le :	12807287 04018ET3V324T-W22G	
							0+010E10V0E+1 VVEE0	
Frame		: 324/6T			Locked rotor time		: 36s (cold) 20s (hot)	
Output			HP (30 kW))	Temperature rise		: 80 K	
Poles		: 4			Duty cycle		: Cont.(S1)	
Frequency		: 60 I			Ambient temperatu	re	: -20°C to +40°C	
Rated voltage			/400 V		Altitude		: 1000 m.a.s.l.	
Rated current			/54.2 A		Protection degree		: IP55	
L. R. Amperes			/330 A		Cooling method		: IC411 - TEFC	
LRC			k(Code G)		Mounting		: F-1	
No load current		: 39.1/19.6 A			Rotation ¹		: Both (CW and CCW)	
Rated speed		: 1770 rpm			Noise level ²		: 66.0 dB(A)	
Slip		: 1.67 %			Starting method		: Direct On Line : 574 lb	
Rated torque Locked rotor torg		: 119 ft.lb : 229 %			Approx. weight ³		. 574 10	
Breakdown torqu		: 240 %						
Insulation class	iC	: F						
Service factor		: 1.25						
Moment of inertia	a (.l)	: 9.16 sq.ft.lb						
Design	<i>a</i> (0)	: B	o oq.it.ib					
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	93.4	93.6	94.1	94.1	Max. traction		: 806 lb	
Power Factor	0.46	0.72	0.80	0.85	Max. compression		: 1380 lb	
			Drive	e end	Non driv	e end		
Bearing type		: 6312 C3		6212 C3				
Sealing		:	: V'Ring		V'Ring			
Lubrication interval		:	20000 h		20000 h			
Lubricant amount		:	2	21 g	13 g			
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 :

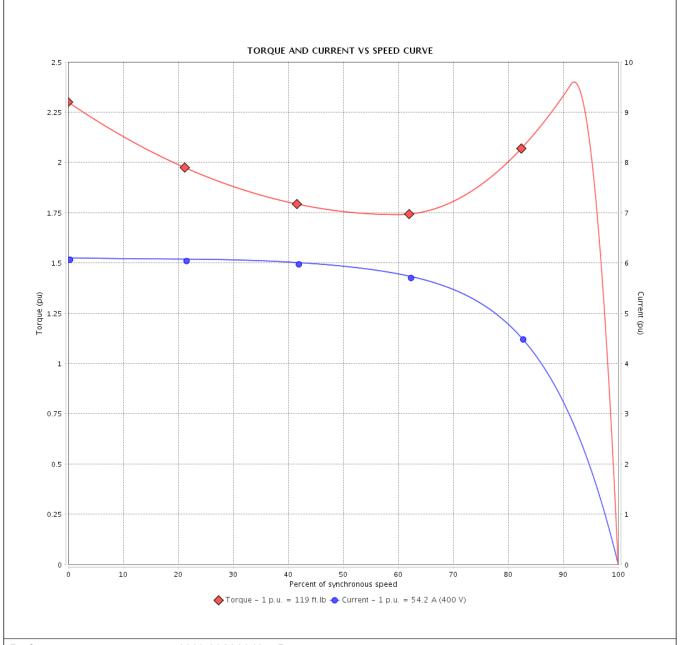
Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12807287

Catalog #: 04018ET3V324T-W22G

: B



Performance : 200/400 V 60 Hz 4P Rated current : 108/54.2 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 119 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K

Rated speed : 1770 rpm Design

Locked rotor time : 36s (cold) 20s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

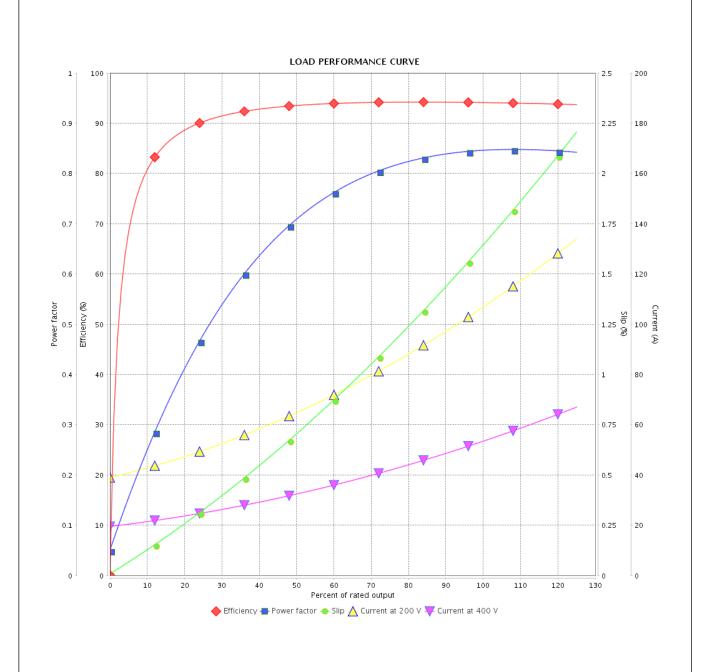


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12807287

Phase

Catalog #: 04018ET3V324T-W22G



Performance		: 200/400 V 60 Hz 4P						
Rated current : 1		08/54.2 A	Moment o	Moment of inertia (J)				
LRC : 6.1		.1	Duty cycle		: Cont.(S1)			
Rated torque : 11		19 ft.lb	Insulation class		: F			
•		29 %	Service factor		: 1.25			
Breakdown torque		40 %	Temperature rise		: 80 K			
Rated speed	: 1	1770 rpm Design		: B				
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



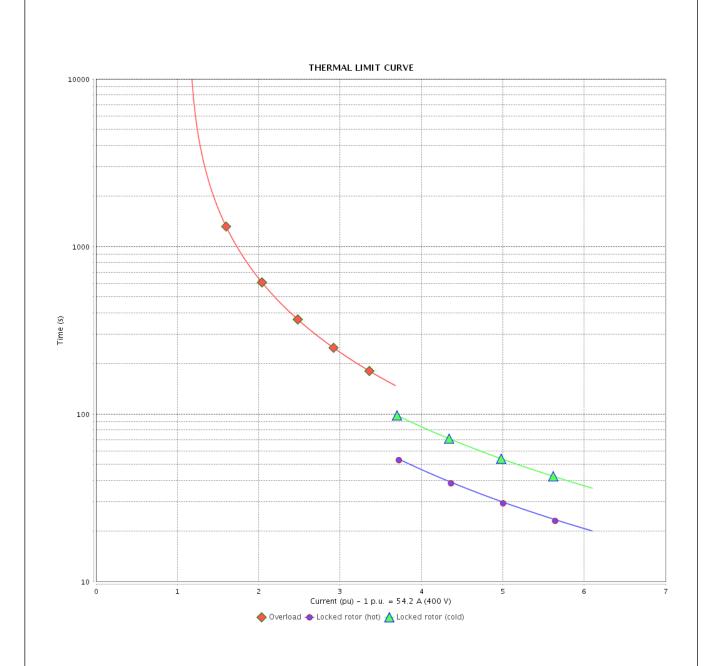
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12807287	
	PI	hase		Catalog # :	04018ET3V32	24T-W22G
Performance		00/400 V 60 Hz 4P		6 * (* / I)	0.40	
Rated current LRC	: 10 : 6.	08/54.2 A 1	Moment of Duty cycle	f inertia (J)	: 9.16 sq.ft.lb : Cont.(S1)	
Rated torque		19 ft.lb	Insulation	class	: F	
Locked rotor torq Breakdown torqu		29 % 40 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		770 rpm	Design		: B	
Heating constant						
Cooling constant		01		D-v(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



Revision

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Customer :

Checked by

Date

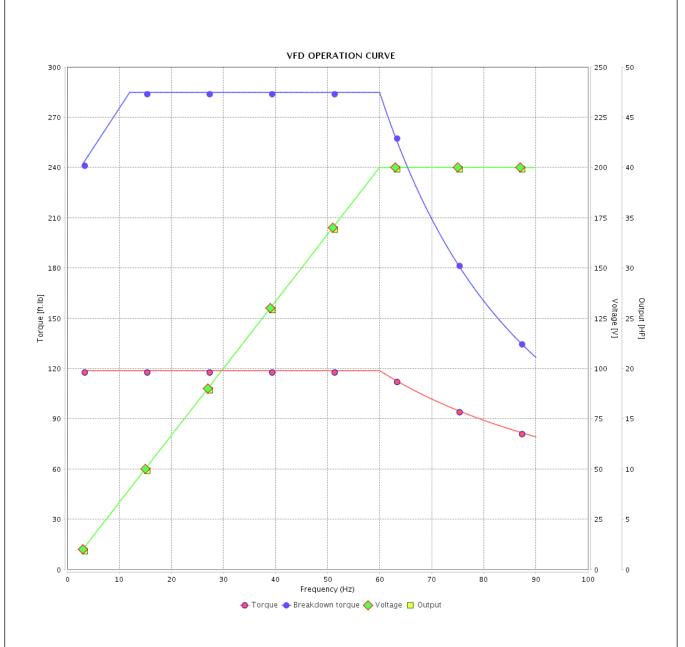
12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12807287

Catalog #: 04018ET3V324T-W22G



Performance : 200/400 V 60 Hz 4P : 108/54.2 A Rated current Moment of inertia (J) : 9.16 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 Insulation class : 119 ft.lb : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

