## **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase				11403782 06012ET3H404T-W22
					Catalog # :	06012E13H4041-VV22
Frame Output Poles		: 404/5T : 60 HP (45 kW) : 6			Locked rotor time Temperature rise Duty cycle	: 36s (cold) 20s (hot) : 80 K : Cont.(S1)
Frequency		: 60 H			Ambient temperature	: -20°C to +40°C
Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inerti	ue	: 20.0 : 118 : 1.25 : 266 : 200 : 229 : F : 1.25	6 A A K(Code H) O A 5 rpm 5 % ft.lb		Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>	: 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 1134 lb
	250/		750/	1000/	Foundation loads	
<u> </u>		50% 94.1	75% 94.5	100% 94.5	Foundation loads  Max. traction	: 1268 lb
Power Factor	0.48	0.74	0.82	0.86	Max. compression	: 2403 lb
Design  Output 25%  Efficiency (%) 94.0 Power Factor 0.48  Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	63 W 16	<u>e end</u> 16 C3 /Seal 000 h 34 g	Non drive en 6314 C3 WSeal 17000 h 27 g obil Polyrex EM	<u>d</u>
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



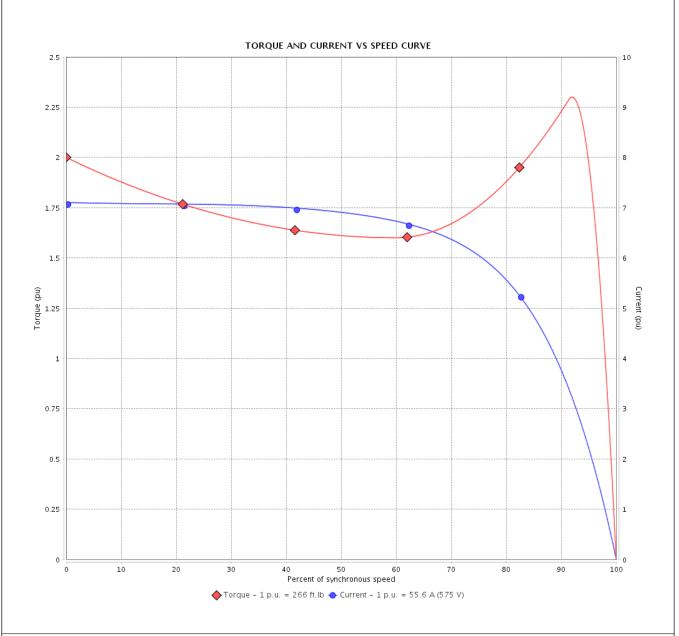
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11403782

Catalog #: 06012ET3H404T-W22



Performance : 575 V 60 Hz 6P Rated current : 55.6 A Moment of inertia (J) : 36.9 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 266 ft.lb : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B

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

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## LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage

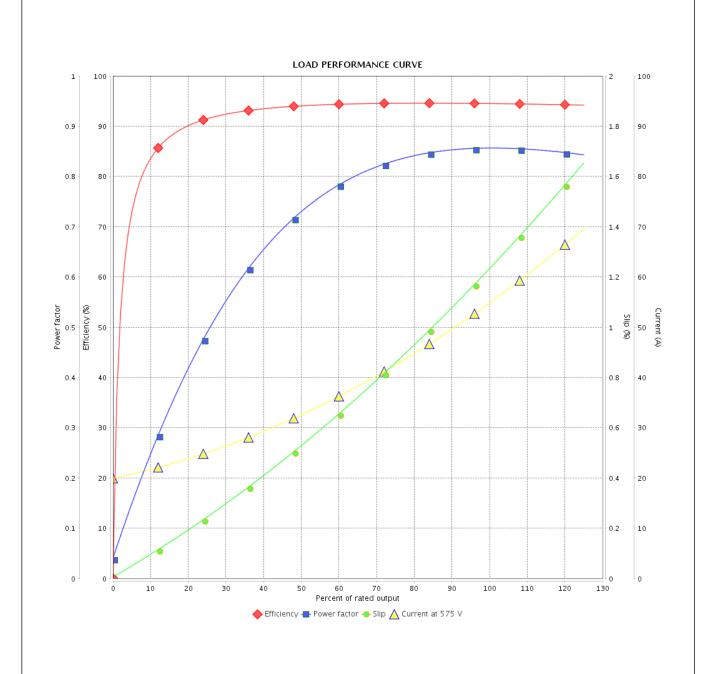


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11403782

Phase

Catalog #: 06012ET3H404T-W22



Performance	: 5	: 575 V 60 Hz 6P					
Rated current	: 5	5.6 A	A Moment of inertia (J)		: 36.9 sq.ft.lb		
LRC	: 7	<b>'.1</b>	Duty cycle		: Cont.(S1)		
Rated torque	: 2	66 ft.lb	Insulation class		:F		
Locked rotor torque	e : 2	00 %	Service factor		: 1.25		
Breakdown torque	: 2	: 229 % Temperature		Temperature rise : 80 K Design : B			
Rated speed	: 1185 rpm		Design				
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# THERMAL LIMIT CURVE

### Three Phase Induction Motor - Squirrel Cage



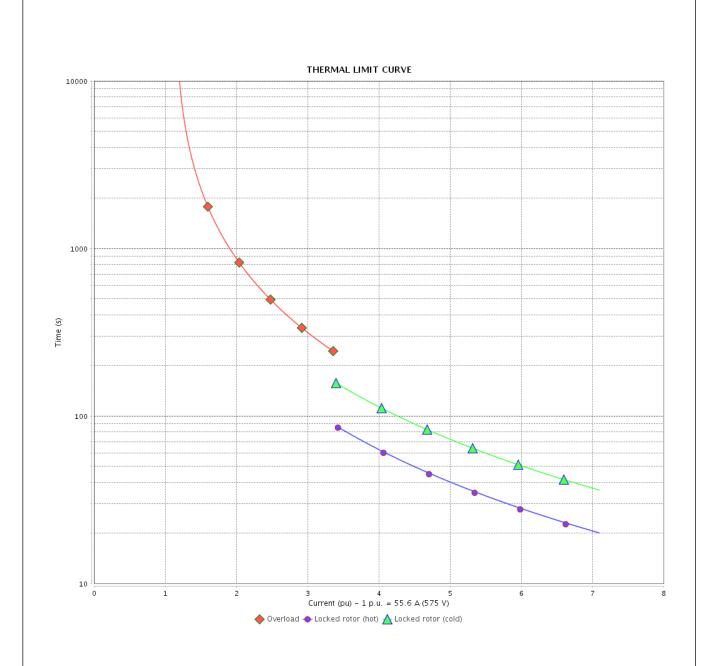
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Customer	: 				
Product line	: NEMA Premium Efficiency	y Three-	Product code :	11403782	
	Phase		Catalog # :	06012ET3H4	04T-W22
Performance	: 575 V 60 Hz 6P				
Rated current	: 55.6 A	Moment o	of inertia (J)	: 36.9 sq.ft.lb	
LRC	: 7.1 : 266 ft.lb	Duty cycle Insulation	Э	: Cont.(S1) : F	
Rated torque Locked rotor torque	: 200 %	Service fa		: F : 1.25	
Breakdown torque	: 229 %	Temperat		: 80 K	
Rated speed	: 1185 rpm	Design		: B	
Heating constant					
Cooling constant	Changas Summan		Performed	Checked	Doto
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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



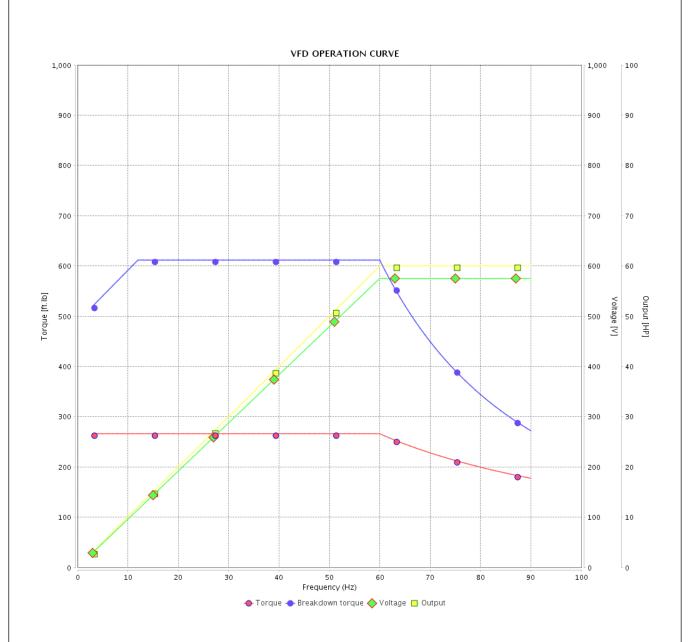
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11403782

Catalog #: 06012ET3H404T-W22



Performance	: 575 V 60 Hz 6P				
Rated current	: 55.6 A	Moment of inertia (J)		: 36.9 sq.ft.lb	
LRC	: 7.1	Duty cycle		: Cont.(S1)	
Rated torque	: 266 ft.lb	Insulation class		: F	
Locked rotor torque	: 200 %	Service factor		: 1.25	
Breakdown torque	: 229 %	Temperature rise		: 80 K	
Rated speed	: 1185 rpm	Design		: B	
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12/04/2022

Date

