DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer						
		•				
Product line		: NEM Phas		m Efficiency	Three- Product code : Catalog # :	14407502 02018XT3H256TC
Frame Output Poles Frequency 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 inertia	ie	: 4 : 60 H : 575 : 20.0 : 150 : 7.55 : 9.44 : 177 : 1.67 : 59.3 : 300 : F : 1.15	HP (15 kW) Hz V) A A ((Code J) 4 A 0 rpm 7 % 3 ft.lb %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 69.0 dB(A) : Direct On Line : 373 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	92.4	93.0	Max. traction	: 667 lb
Power Factor	0.38	0.63	0.75	0.81	Max. compression	: 1040 lb
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: : : :	63 Oil 20	<u>e end</u> 09 C3 I Seal 000 h I3 g	Non drive en 6209 C3 Lip Seal 20000 h 9 g sbil 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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DATA SHEET

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Customer	
Customer	

Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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TORQUE AND CURRENT VS SPEED CURVE

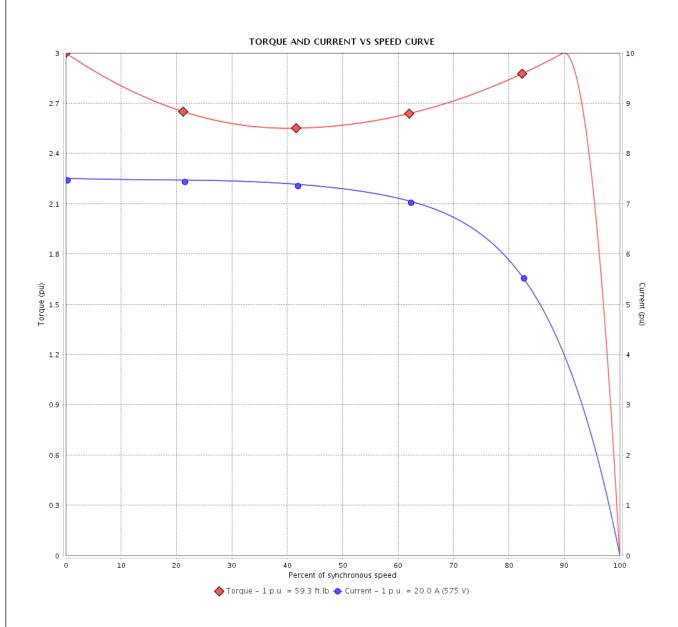
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 14407502

Catalog #: 02018XT3H256TC



Performance	: 575 V 60 Hz 4P			
Rated current	: 20.0 A	Moment of inertia (J)	: 2.89 sq.ft.lb	
LRC	: 7.5	Duty cycle	: Cont.(S1)	
Rated torque	: 59.3 ft.lb	Insulation class	:F	
Locked rotor torque	: 300 %	Service factor	: 1.15	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 1770 rpm	Design	: B	
Locked rotor time	: 36s (cold) 20s (hot)			

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



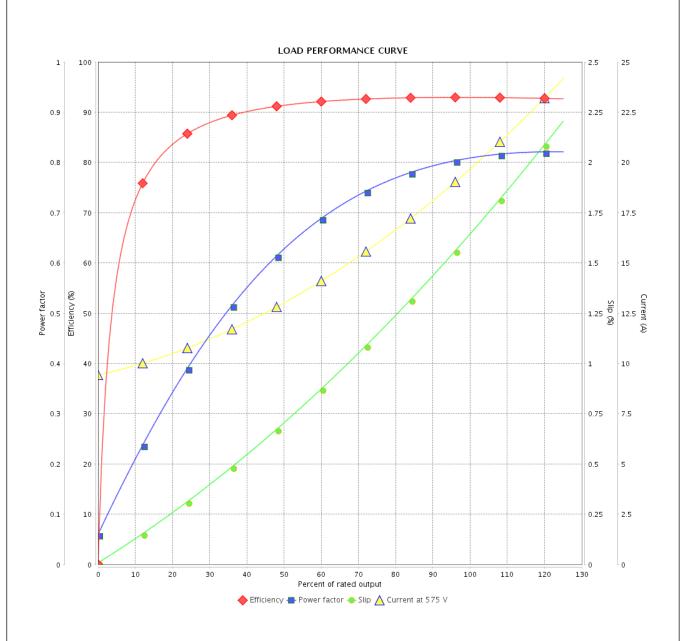
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 14407502

Catalog #: 02018XT3H256TC



Performance	: 575 V 60 Hz 4P			
Rated current	: 20.0 A	Moment of inertia (J)	: 2.89 sq.ft.lb	
LRC	: 7.5	Duty cycle	: Cont.(S1)	
Rated torque	: 59.3 ft.lb	Insulation class	: F	
Locked rotor torque	: 300 %	Service factor	: 1.15	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 1770 rpm	Design	: B	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



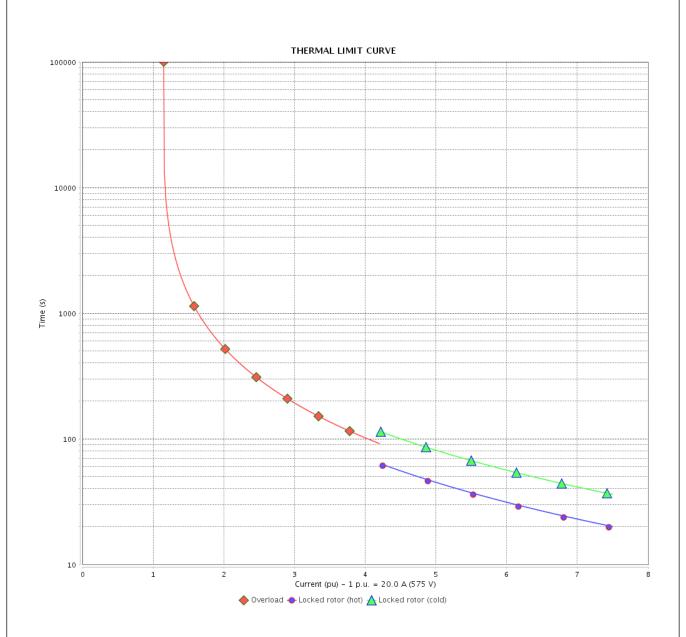
Customer	:					
Product line		NEMA Premium Efficiency Phase	Three-	Product code :	14407502	
	Г	Tilase		Catalog # :	02018XT3H2	256TC
erformance ated current RC	: 2 : 7		Duty cycl		: 2.89 sq.ft.lb : Cont.(S1)	
ated torque ocked rotor tord reakdown tord ated speed	que : 3 ue : 3	9.3 ft.lb 500 % 500 % 770 rpm	Insulation Service fa Temperat Design	actor	: F : 1.15 : 80 K : B	
eating 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

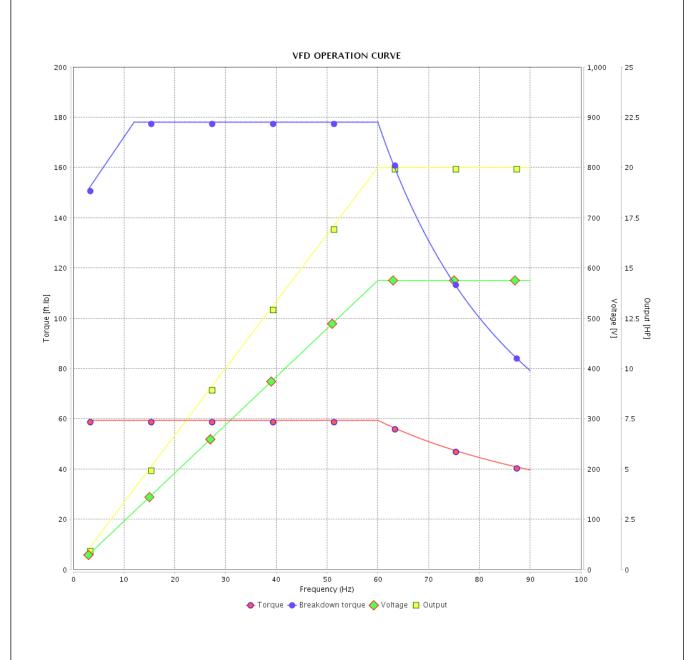


Customer

Product line : NEMA Premium Efficiency Three- Product code : 14407502

Phase

Catalog #: 02018XT3H256TC



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.0 A : 7.5 : 59.3 ft.lb : 300 % : 3770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.89 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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