DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:				
Product line		: NEMA Premium Efficiency T Phase			Three- Product code : Catalog # :	11572897 02018ET3P256T-W22
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		: 254/6T : 20 HP (15 kW) : 4 : 60 Hz : 200 V : 55.4 A : 382 A : 6.9x(Code H) : 22.1 A : 1770 rpm : 1.67 % : 59.3 ft.lb : 240 % : 260 % : F : 1.25 : 3.10 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	: 54s (cold) 30s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line : 374 lb
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	92.4	93.0	Max. traction	: 553 lb
Power Factor	0.43	0.68	0.79	0.84	Max. compression	: 927 lb
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	Drive end : 6309 C3 : V'Ring : 20000 h : 13 g : Mo		Non drive en 6209 C3 V'Ring 20000 h 9 g obil 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

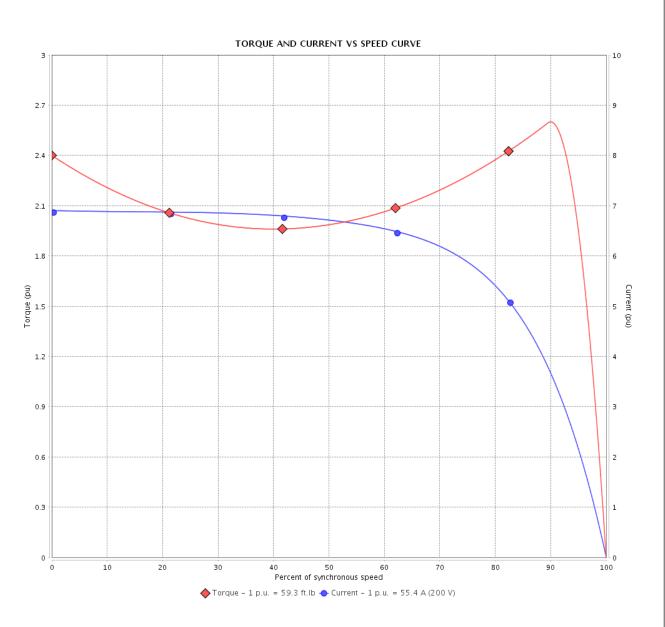


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11572897

Phase

Catalog #: 02018ET3P256T-W22



Performance : 200 V 60 Hz 4P Rated current : 55.4 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 59.3 ft.lb : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

Locked rotor time : 54s (cold) 30s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

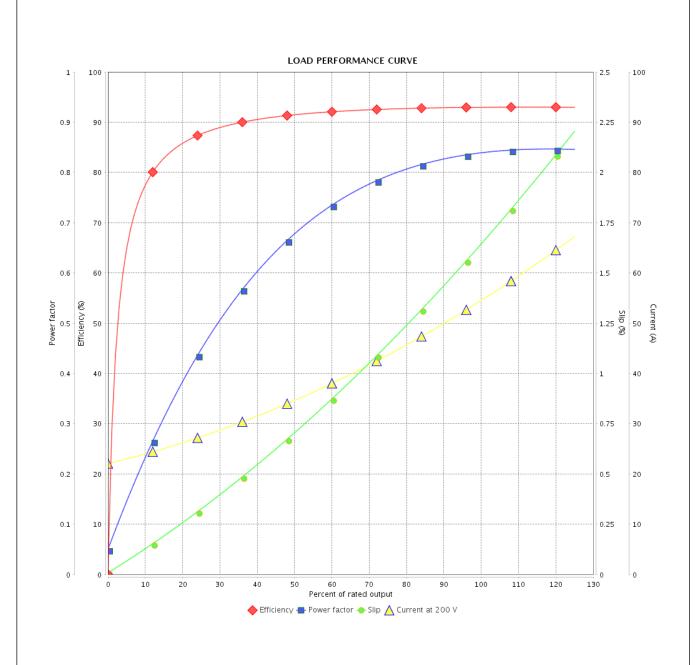


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11572897

Phase

Catalog #: 02018ET3P256T-W22



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Performance		: 200 V 60 Hz 4P						
Rated current		5.4 A Moment of inertia (J)		: 3.10 sq.ft.lb				
LRC :		.9	Duty cycle		: Cont.(S1)			
Rated torque :		9.3 ft.lb	Insulation class		: F			
Locked rotor torque		40 %	Service factor		: 1.25			
Breakdown torque	: 2	: 260 % : 1770 rpm		Temperature rise Design				
Rated speed	: 1							
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	14/04/2022				3/6			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



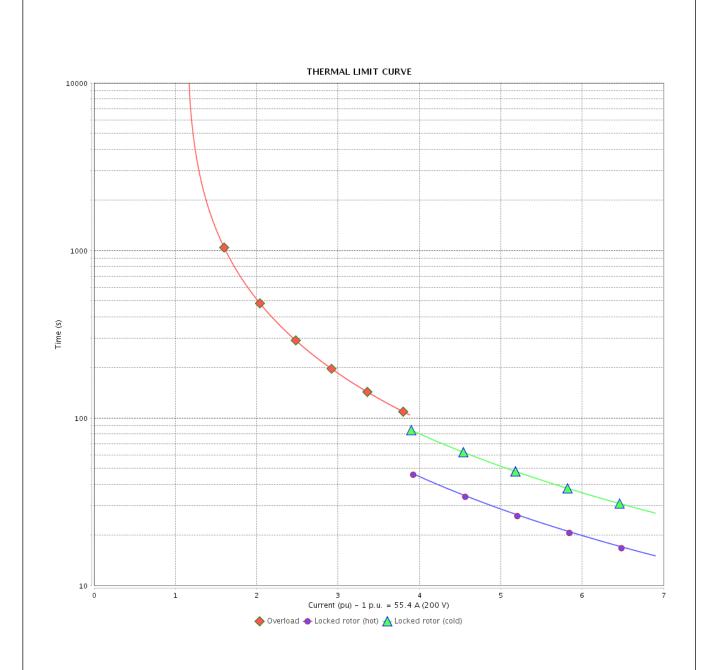
Customer	:				
Product line	: NEMA Premium Efficie Phase		Product code : Catalog # :	11572897 02018ET3P2	56T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 200 V 60 Hz 4P : 55.4 A : 6.9 : 59.3 ft.lb : 240 % : 260 % : 1770 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

Page 6 / 6

Customer :

Checked by

Date

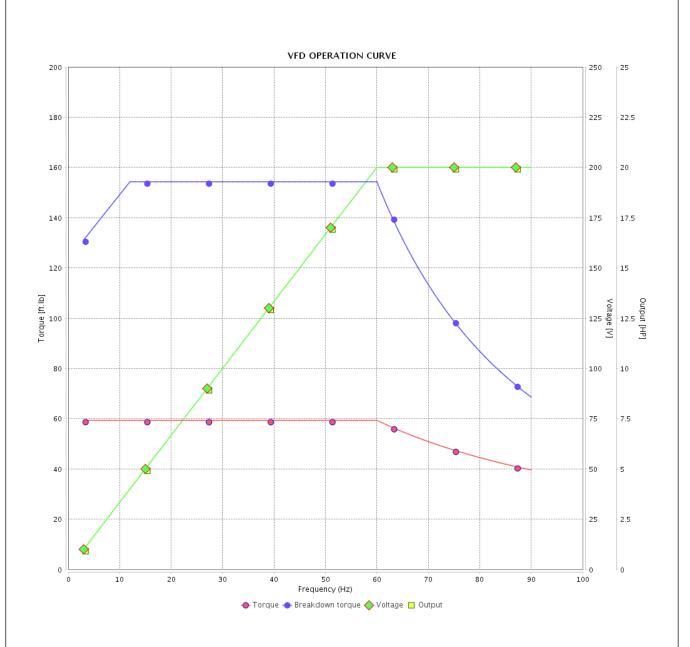
14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11572897

Catalog #: 02018ET3P256T-W22



Performance : 200 V 60 Hz 4P Rated current : 55.4 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.9 Insulation class : 59.3 ft.lb : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

