DATA SHEET

Three Phase Induction Motor - Squirrel Cage



	:							
			m Efficiency	Three-	Product code :	12	2941852	
					Catalog #:	00)318ET3H182JP-W22	
	: 3 HI : 4 : 60 F : 575 : 3.13	P (2.2 kW) Hz V 3 A		Temp Duty Ambi Altitu Prote	perature rise cycle ent temperature de ection degree	: : :	80 K Cont.(S1) -20°C to +40°C 1000 m.a.s.l. IP55	
ue e	: 8.1x : 1.60 : 176 : 2.22 : 8.95 : 229 : 340 : F	((Code K)) A 0 rpm 2 % 5 ft.lb %		Mour Rota Noise Start	nting tion¹ e level² ing method	:	F-1 Both (CW and CCW) 56.0 dB(A) Direct On Line	
(J)	: B	io i sq.ii.ib						
25% 86.4 0.36	50% 87.5 0.61	75% 88.5 0.73	100% 89.5 0.79	Max. tr	action			
al	: : : :	63	07 ZZ 'Ring -	obil Polyre	6206 ZZ V'Ring - -	7		
	(J) 25% 86.4 0.36	Has : 182 : 3 HI : 4 : 60 H : 575 : 3.13 : 25.3 : 8.1x : 1.60 : 176 : 2.22 : 8.95 : 9.95 : 1.25 (J) : 0.34 : B 25% 50% 86.4 87.5 0.36 0.61	Phase	Phase	: 182/4JP	Phase Catalog # :	Phase Catalog # : 000	Phase

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

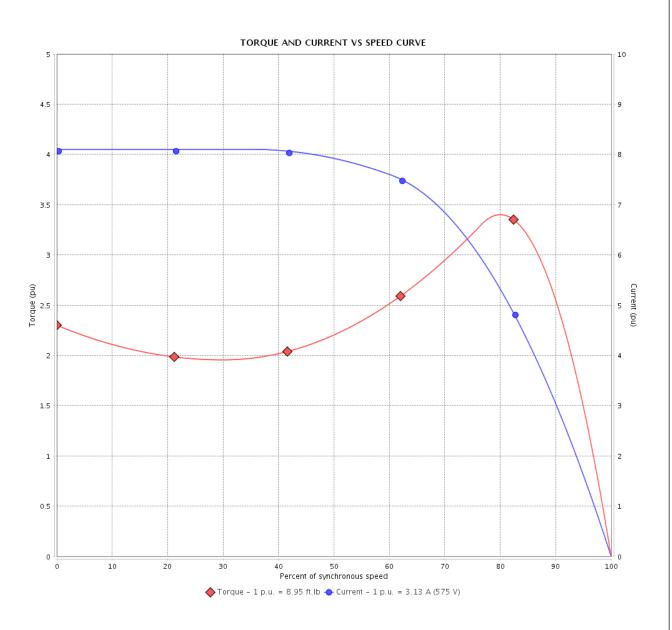


Customer

Product line : NEMA Premium Efficiency Three-

Product code: 12941852

Catalog #: 00318ET3H182JP-W22



Performance : 575 V 60 Hz 4P Rated current : 3.13 A Moment of inertia (J) : 0.3401 sq.ft.lb **LRC** : 8.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 8.95 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B Locked rotor time

: 41s (cold) 23s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



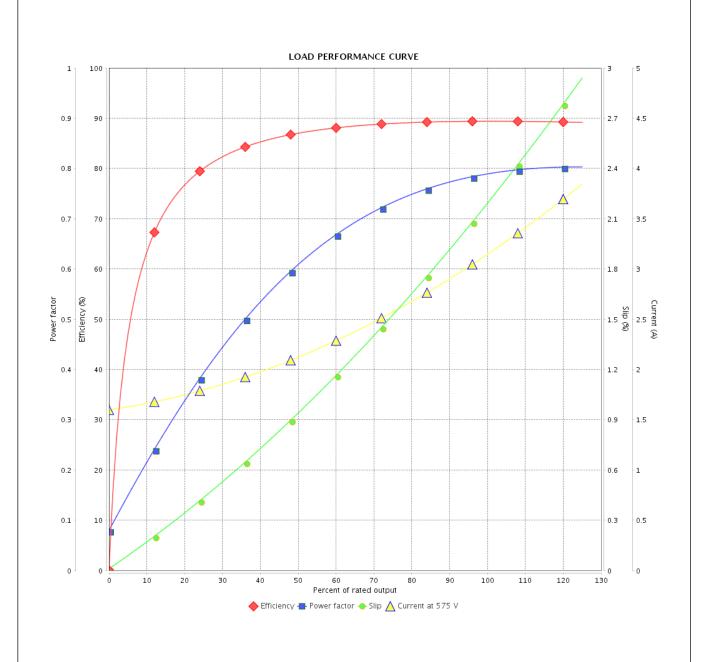
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12941852

Phase

Catalog #: 00318ET3H182JP-W22

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Performance	: 575 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.13 A : 8.1 : 8.95 ft.lb : 229 % : 340 % : 1760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3401 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
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Date

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



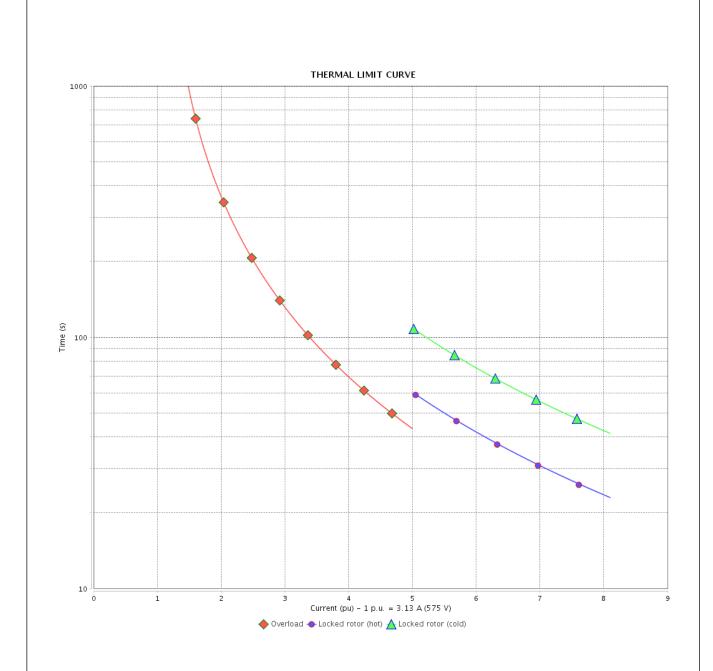
Customer		:				
Product line		: NEMA Premium Efficiency	Throo	Product code :	12941852	
rioduct iiile		Phase				
				Catalog # :	00318ET3H	182JP-W22
Performance		: 575 V 60 Hz 4P				
Rated current		: 3.13 A	Moment o	of inertia (J)	: 0.3401 sq.ft.	b
LRC Rated torque		: 8.1 : 8.95 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord		: 229 %	Service fa		: 1.25	
Breakdown torqu	ie :	: 340 %	Temperati		: 80 K	
Rated speed		: 1760 rpm	Design		: B	
Heating constant	:					
Cooling constant						
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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 :

Date

13/04/2022

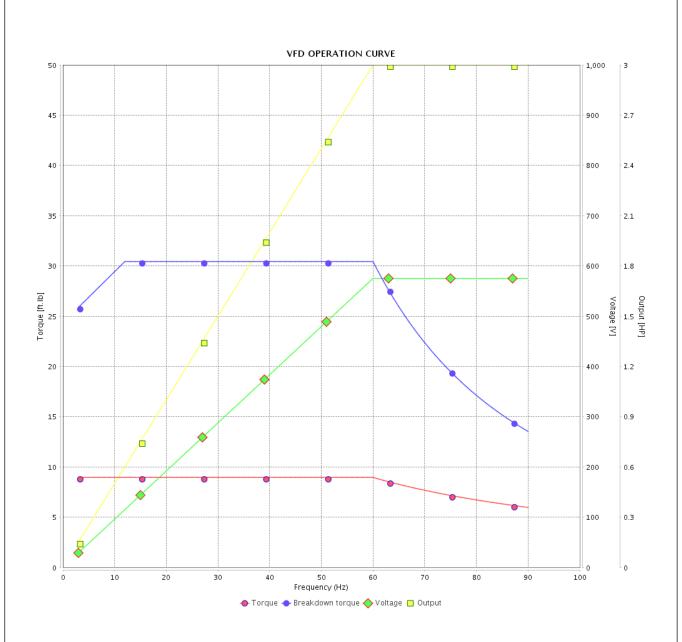
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12941852

Catalog #: 00318ET3H182JP-W22

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Performance : 575 V 60 Hz 4P Rated current : 3.13 A Moment of inertia (J) : 0.3401 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 8.1 : 8.95 ft.lb Insulation class : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

