DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 13413922 Catalog #: 01036OT3V213TC-S Frame : 213/5TC Locked rotor time : 19s (cold) 11s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Frequency : 60 Hz Rated voltage : 200/400 V Altitude : 1000 m.a.s.l. Cooling method Rated current : 27.6/13.8 A : IC01 - ODP L. R. Amperes : 188/93.8 A Mounting : F-1 : Both (CW and CCW) LRC : 6.8x(Code H) Rotation¹ No load current : 10.7/5.36 A Noise level² : 66.0 dB(A) Rated speed : 3535 rpm Starting method : Direct On Line : 126 lb Slip : 1.81 % Approx. weight³ Rated torque : 14.9 ft.lb Locked rotor torque : 200 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4651 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 88.5 89.5 89.5 : 171 lb Efficiency (%) 88.3 Max. traction Power Factor 0.47 0.74 0.84 0.88 : 297 lb Max. compression Drive end Non drive end Bearing type 6208 ZZ 6206 ZZ

Sealing Without Bearing Seal

Without Bearing Seal

Lubrication interval Lubricant amount

Mobil Polyrex EM

Notes

Lubricant type

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



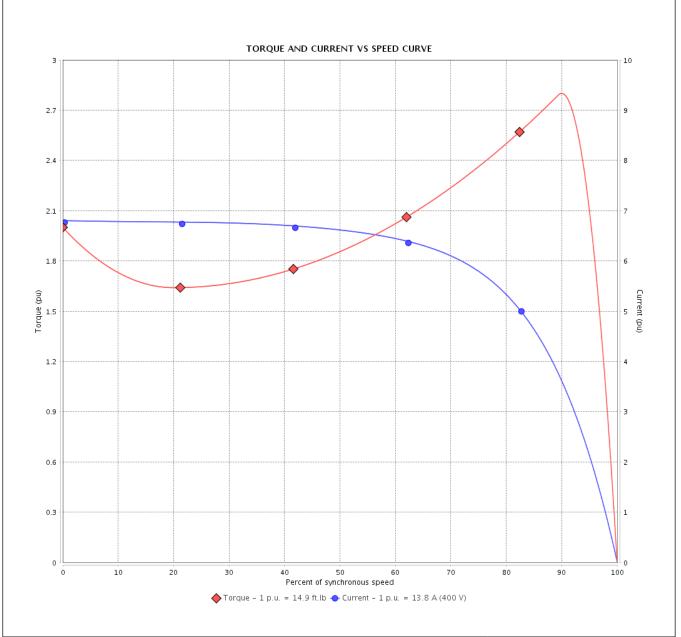
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036OT3V213TC-S

13413922



Performance	: 200/400 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.6/13.8 A : 6.8 : 14.9 ft.lb : 200 % : 280 % : 3535 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.4651 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Locked reter time	: 10s (cold) 11s (bot)			

Locked rotor time : 19s (cold) 11s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



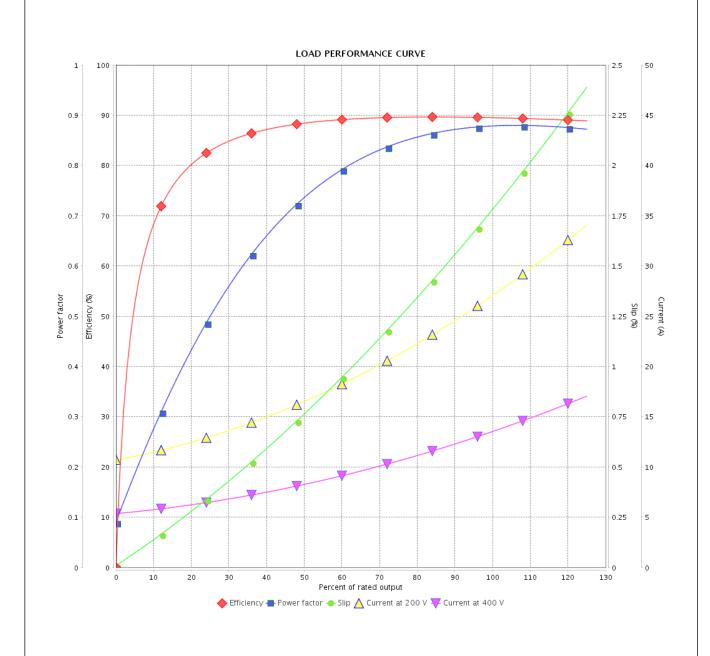
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 13413922

Catalog #: 01036OT3V213TC-S



Performance	: 2	: 200/400 V 60 Hz 2P						
Rated current	: 2	27.6/13.8 A	Moment o	Moment of inertia (J)		lb		
LRC	: (3.8	Duty cycle		: Cont.(S1)			
Rated torque	:	14.9 ft.lb	Insulation class		: F			
Locked rotor torque	e : 2	200 %	Service factor		: 1.15			
Breakdown torque	: 2	280 %	Temperature rise		: 80 K			
Rated speed	: ;	3535 rpm	Design	Design				
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



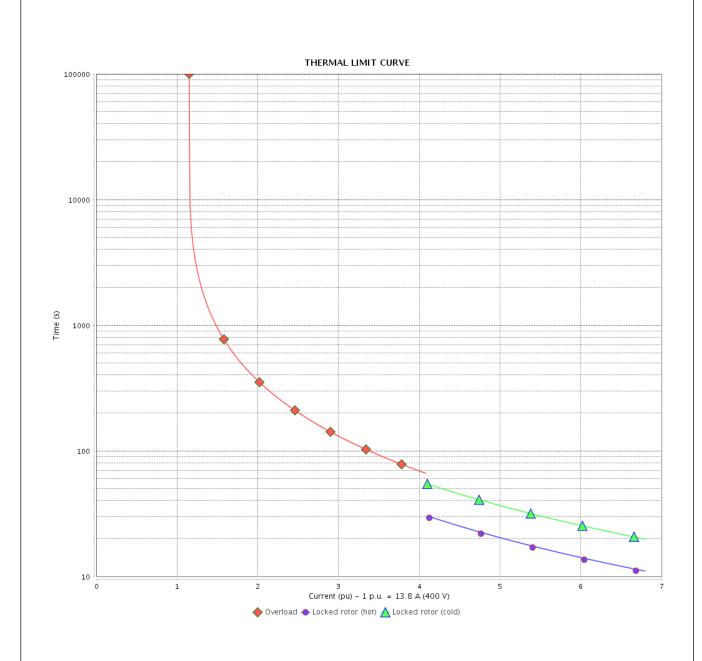
Customer	:			·	
Product line	: NEMA Premium Efficiency	Three-	Product code :	13413922	
	Phase		Catalog # :	01036OT3V2	213TC-S
				0100001012	.10100
Performance	: 200/400 V 60 Hz 2P				
Rated current LRC	: 27.6/13.8 A : 6.8	Moment o	f inertia (J)	: 0.4651 sq.ft.l	b
Rated torque	: 6.8 : 14.9 ft.lb	Duty cycle Insulation	; class	: Cont.(S1) : F	
Locked rotor torque	: 200 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed	: 280 % : 3535 rpm	Temperatu Design	ire rise	: 80 K : 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



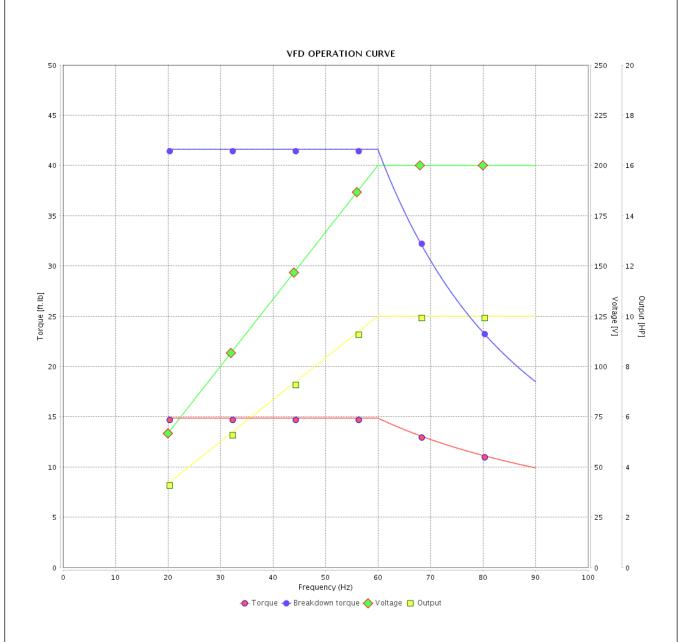
Customer :

Product line : NEMA Premium Efficiency Three- Prod

Phase

Product code: 13413922

Catalog #: 01036OT3V213TC-S



Performance	: 200/400 V 60 Hz 2P				
Rated current	: 27.6/13.8 A	Moment of inertia (J)		: 0.4651 sq.ft.lb	
LRC	: 6.8	Duty cycle		: Cont.(S1)	
Rated torque	: 14.9 ft.lb	Insulation class		:F	
Locked rotor torque	: 200 %	Service factor		: 1.15	
Breakdown torque	: 280 % Temp		e rise	: 80 K	
Rated speed	: 3535 rpm	Design		: B	
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12/04/2022

Date

Color Munsell N 1 matte black

Painting plan 207N Mounting F-1/B34R(D)

6 **├** 5.551 → - Grounding — 9.843 | UNC 1/2"x13 3.031-CAUTION
LITTING PROVIDENS ON
MODES AND FOR LITTING
THE MODES ONLY
12570000 -ø 7.252 8.500 Ø - 5.500 - 4.250 - 3.380 - 7.000 - 3.380 - 7.953 - 10.630 - 16.969 2.972 1.575 — 8.500 — 9.449 10.32 DE Shaft End ECM SUMMARY OF MODIFICATIONS EXECUTED CHECKED RELEASED DATE EXECUTED THREE PH. MOTOR ROLLED STEEL PREM. EFF. PREVIEW FRAME 213/5TC IP21 ODP CHECKED WDD RELEASED 10 HP 02 Poles 60 Hz A REL DT Product Engineering SHEET WEG's property. Forbidden reproduction without previous authorization.