DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12674736 Catalog #: 00718OT3V213TC-S Frame : 213/5TC Locked rotor time : 23s (cold) 13s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 200/400 V Altitude : 1000 m.a.s.l. Cooling method Rated current : 21.3/10.6 A : IC01 - ODP L. R. Amperes : 153/76.6 A Mounting : F-1 : 7.2x(Code H) : Both (CW and CCW) LRC Rotation¹ : 10.1/5.05 A No load current Noise level² : 59.0 dB(A) Rated speed : 1770 rpm Starting method : Direct On Line Slip : 1.67 % Approx. weight³ : 127 lb Rated torque : 22.3 ft.lb Locked rotor torque : 240 % Breakdown torque : 320 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.03 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 89.5 91.0 : 338 lb Efficiency (%) 88.6 90.2 Max. traction Power Factor 0.39 0.82 : 465 lb 0.65 0.77 Max. compression Drive end Non drive end Bearing type 6208 ZZ 6206 ZZ Sealing Without Bearing Seal Without Bearing Seal

Lubrication interval Lubricant amount

Lubricant type Mobil 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.

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

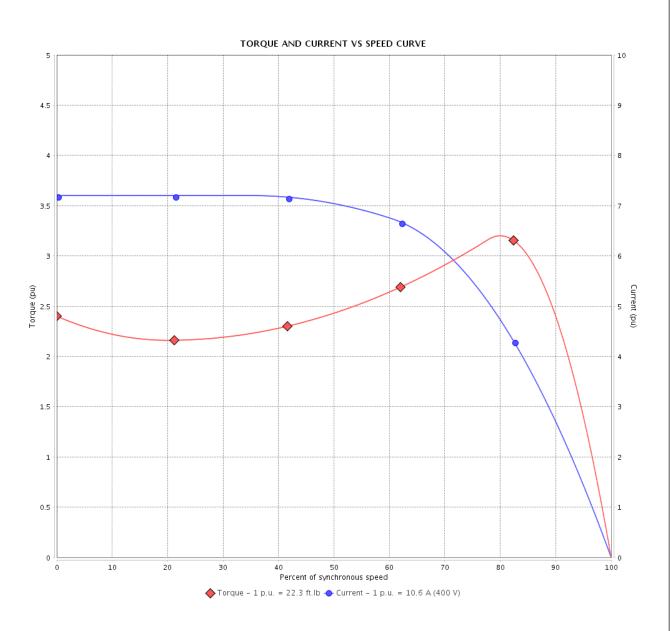


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674736

Phase

Catalog #: 00718OT3V213TC-S



Performance : 200/400 V 60 Hz 4P Rated current : 21.3/10.6 A Moment of inertia (J) : 1.03 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : 22.3 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 240 % : 1.15 Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

Locked rotor time : 23s (cold) 13s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

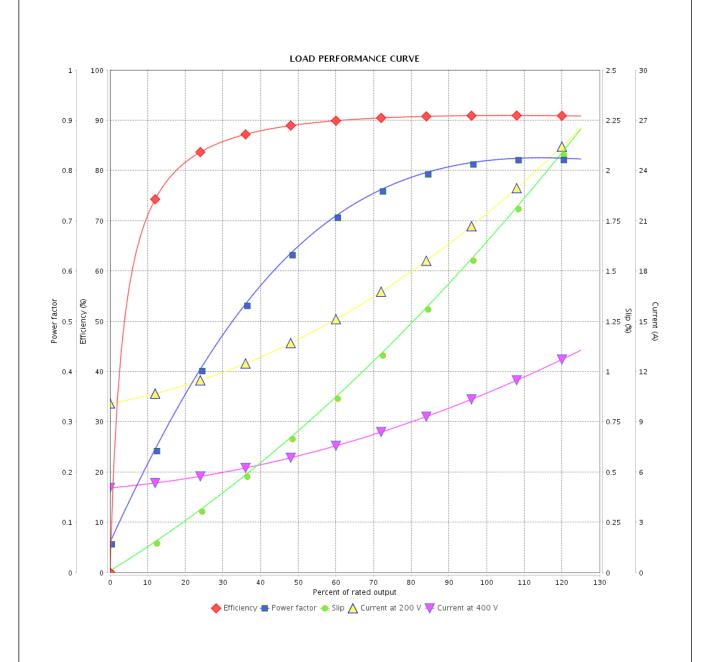


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674736

Phase

Catalog #: 00718OT3V213TC-S



Performance	: 200/400 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 21.3/10.6 A : 7.2 : 22.3 ft.lb : 240 % : 320 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
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Date

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



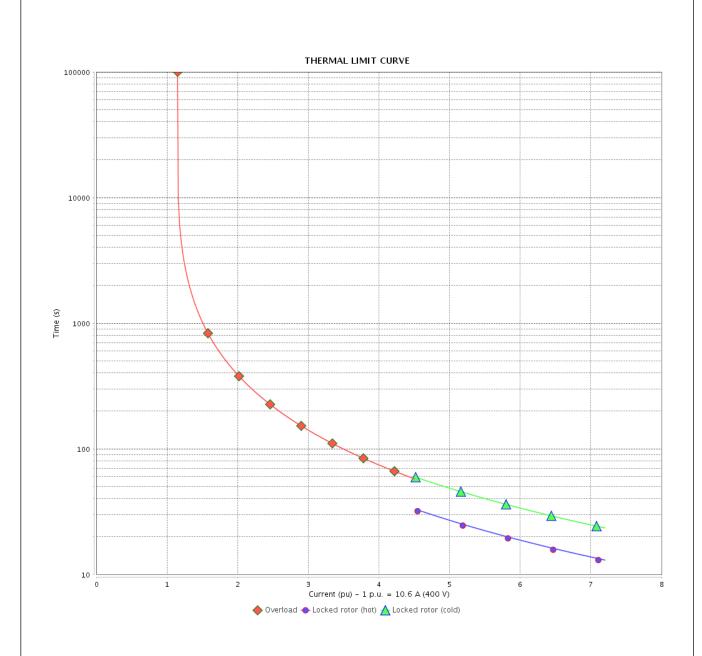
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12674736	
	PI	hase		Catalog # :	00718OT3V2	13TC-S
Performance	: 20	00/400 V 60 Hz 4P				
Rated current		1.3/10.6 A	Moment o	f inertia (J)	: 1.03 sq.ft.lb	
LRC Rated torque	: 7. : 22	2 2.3 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torque	e : 24	40 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		20 % 770 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 :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

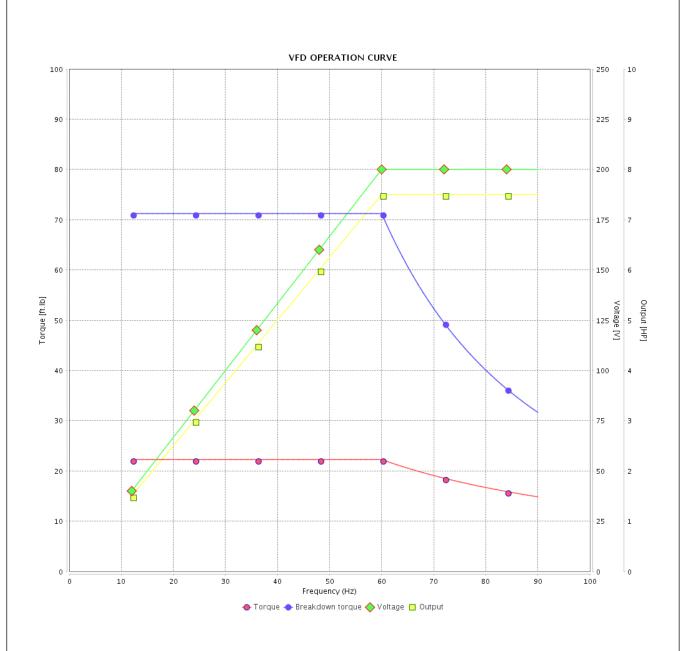
Catalog #: 00718OT3V213TC-S

12674736

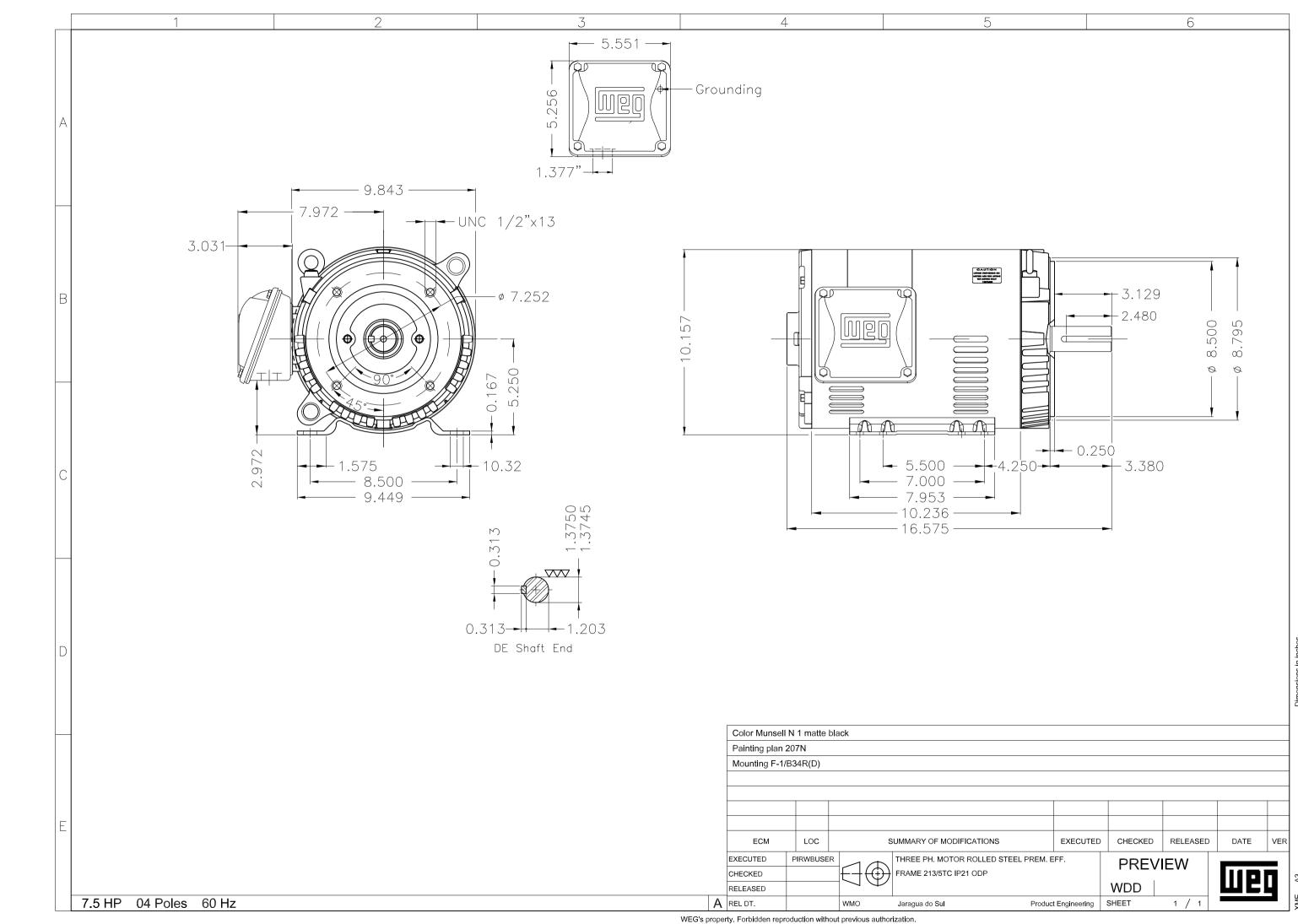
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Revision



Performance	: 2	00/400 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7 : 2 que : 2	1.3/10.6 A .2 2.3 ft.lb 40 % 20 % 770 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary			Performed	Checked	Date
Performed by						





Energy Verifi **UL)**US LISTED 3PT9

> MODEL 00718OT3V213TC-S S/N V01.TO0IC0X0N **6FEB2022**

12674736

MADE IN MÉXICO

Hz 60 213/5TC CONT

1000 m.a.s.l

CODE DES F AT 80K

2°04

SCL INC. 2

ODP

21,3/10.6

1.15 ZPM SFA 냃 쌆

200/400

NOM. EFF 91.0%

Inverter duty motor For use on VPWM 1000:1 VT, 5:1 CT 8206-ZZ ODE

8208-ZZ

牌

MOBIL POLYREX EM

нон

MOT

111

T4-YEL

L2-WHJ T6-GRY

71-BLU

13-ORG F5-BLK L7-PNK





777

shocks. Disconnect power source before servicing unit. nd national electrical codes to prevent serious electrical WARNING: Motor must be grounded in accordance v

T10-CURRY T11-GRN T12-VLT

conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

nentation avant l'entretien de la machine

choc électrique grave. Déconnectez l'alli