DATA SHEET

Three Phase Induction Motor - Squirrel Cage



							_	
Customer	:							
Product line			: NEMA Premium Efficiency Three- Phase			oduct code : talog # :	13248858 00718OT3V21	3TC-SG
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	: 7.5 : 4 : 60 : 200 : 21.: : 153 : 7.2: : 10. : 177 : 1.6 : 22.: : 240 : 320 : F	0/400 V 3/10.6 A 8/76.6 A x(Code H) 1/5.05 A 70 rpm 7 % 3 ft.lb) %	V)	Locked rot Temperatu Duty cycle Ambient to Altitude Cooling m Mounting Rotation ¹ Noise leve Starting m Approx. w	ure rise emperature ethod el²	: 23s (cold) 13 : 80 K : Cont.(S1) : -20°C to +40 : 1000 m.a.s.I : IC01 - ODP : F-1 : Both (CW ar : 59.0 dB(A) : Direct On Lir : 125 lb	°C ad CCW)
Output	25%	50%	75%	100%	Foundation	loads		
Efficiency (%)	88.6	89.5	90.2	91.0	Max. traction	n	: 339 lb	
Power Factor	0.39	0.65	0.77	0.82	Max. compre	ession	: 464 lb	
Bearing type Sealing		:	62	<u>e end</u> 08 ZZ Bearing Seal	V	Non drive end 6206 ZZ Vithout Bearing	_	

Lubrication interval Lubricant amount Lubricant type

Without Bearing Seal

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

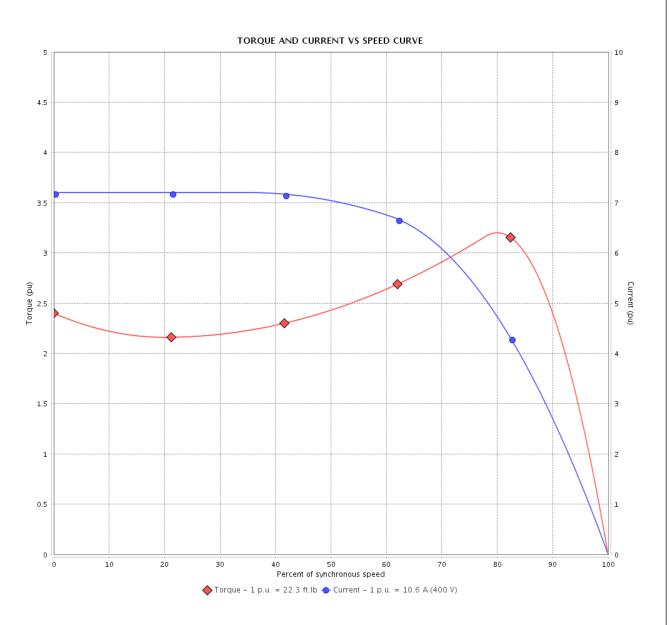


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 13248858

Phase

Catalog #: 00718OT3V213TC-SG



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) Insulation class Rated torque : 22.3 ft.lb : F Locked rotor torque : 240 % Service factor : 1.15 : 320 % Breakdown torque 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

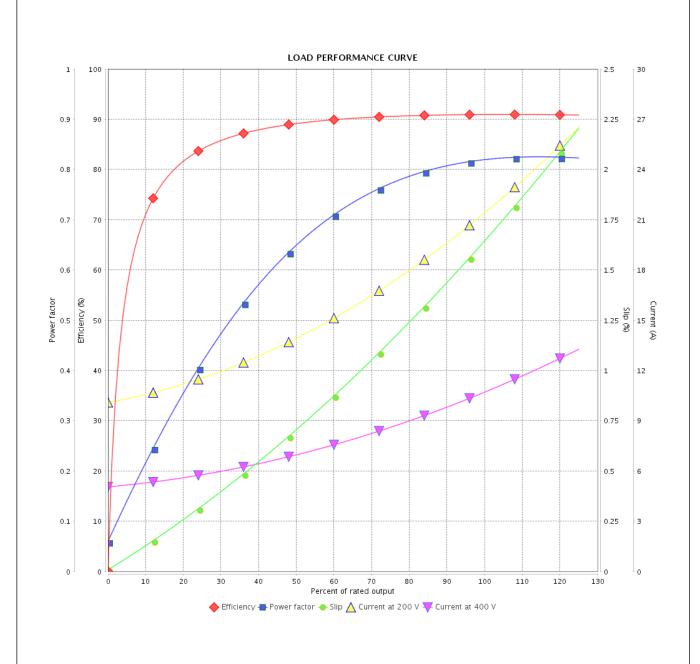


Customer

Product line : NEMA Premium Efficiency Three- Product code : 13248858

Phase

Catalog #: 00718OT3V213TC-SG



Performance	: 2	200/400 V 60 Hz 4P				
Rated current	::	21.3/10.6 A	Moment o	Moment of inertia (J)		
LRC		7.2	Duty cycle	Duty cycle		
Rated torque		22.3 ft.lb	Insulation	class	: F	
Locked rotor torque		240 %	Service fa	ctor	: 1.15	
Breakdown torque	e ::	320 %	Temperati	Temperature rise		
Rated speed	:	770 rpm Design		: B		
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Checked by					Page	Revision
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



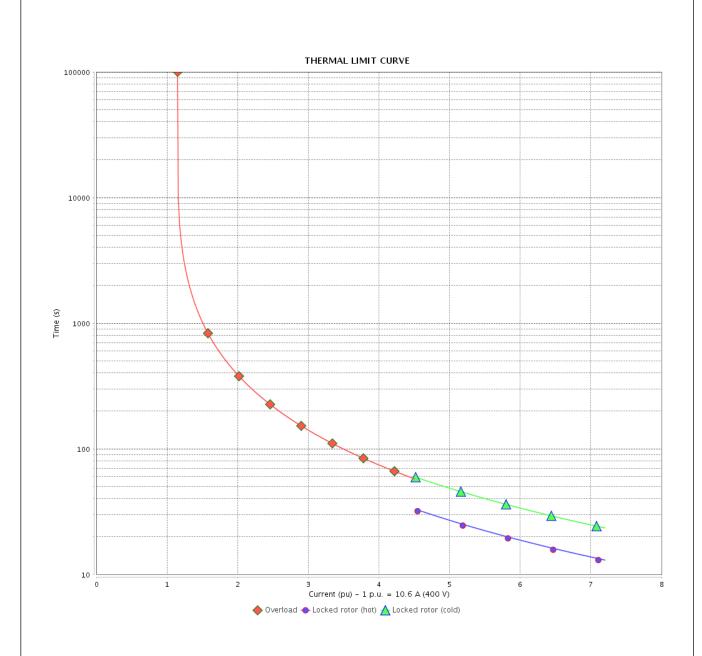
Customer	:				·	
Product line		NEMA Premium Efficiency	Three-	Product code :	13248858	
	PI	hase		Catalog # :	00718OT3V2	13TC-SG
Performance	: 20	00/400 V 60 Hz 4P				
Rated current		1.3/10.6 A	Moment o	f inertia (J)	: 1.03 sq.ft.lb	
LRC Rated torque	: 7. : 22	2 2.3 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque	: 24	40 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		20 % 770 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant		•				
Cooling constant						
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Checked by	10/01/0005				Page	Revision

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

Phase

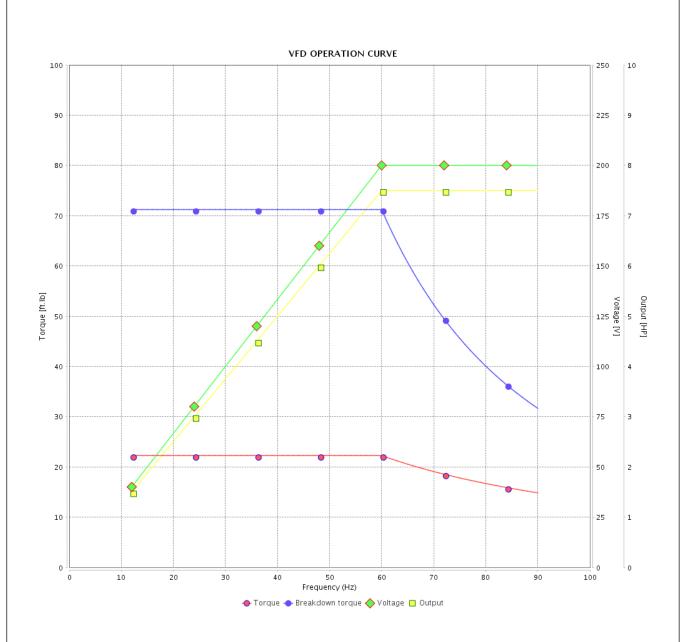
Product code: 13248858

Catalog #: 00718OT3V213TC-SG

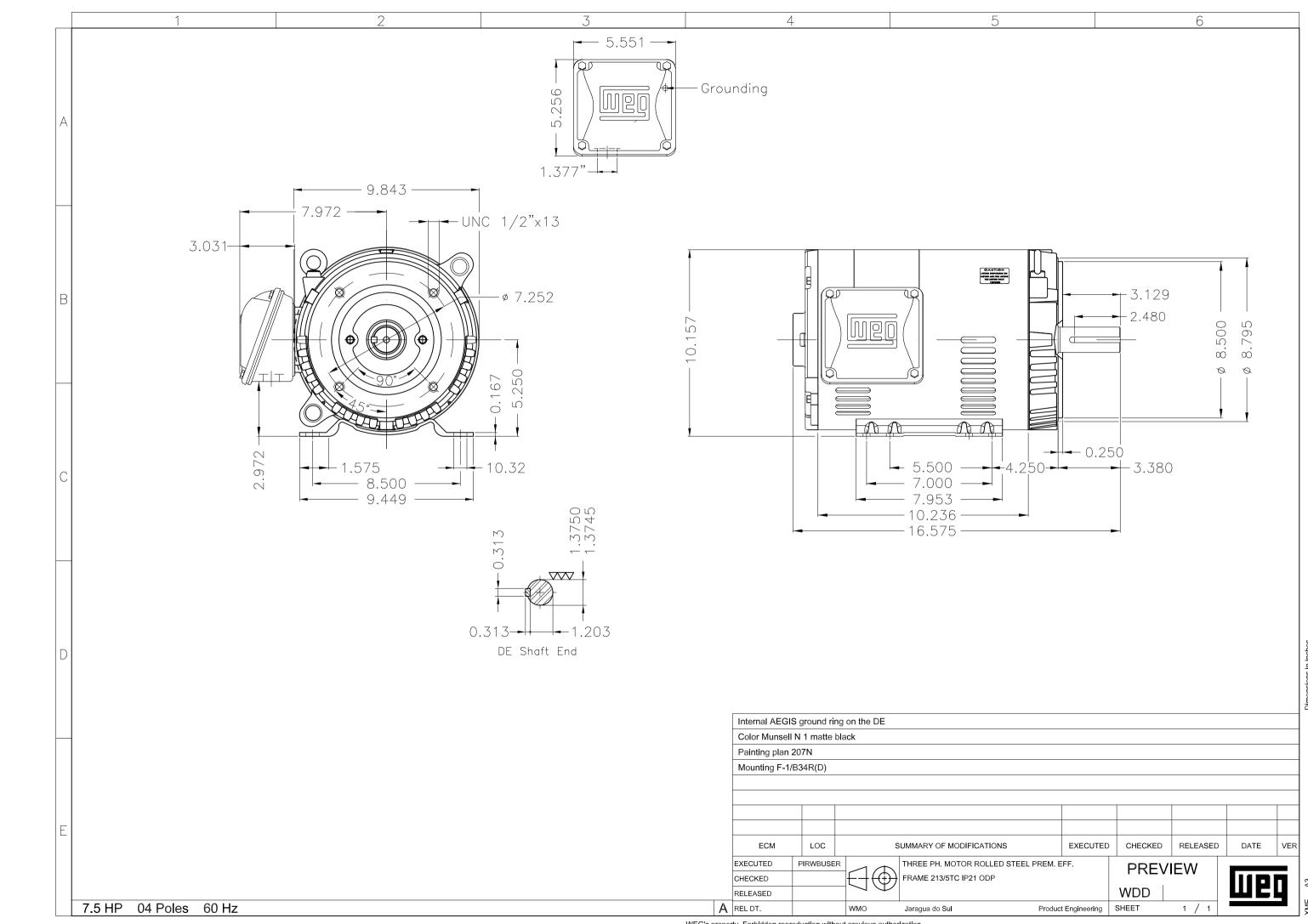
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Revision



Performance		: 200/400 V 60 Hz 4P					
renomiance		. 200/400 V 00 HZ 4F					
Rated current		: 21.3/10.6 A	Moment of	Moment of inertia (J)			
LRC		: 7.2	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		: 22.3 ft.lb	Insulation	Insulation class		: F ` ´	
Locked rotor torque		: 240 %	Service fa	Service factor		: 1.15	
Breakdown torque		: 320 %	Temperat	Temperature rise			
Rated speed		: 1770 rpm	Design	Design			
Rev.		Changes Summary	у	Performed	Checked	Date	
Performed by							









& Energy Verifi 3PT9

> MODEL 007180T3V213TC-SG Hz 60 S/N 4NOV2021

CC029A

13248858

MADE IN MÉXICO

TOOICOXON.

213/5TC CONT

1000 m.a.s.l F AT 80K

21,3/10.6

1.15 ZPM SFA 냃 쌆

2°04

SCL INC. 2

ODP

200/400

CODE DES

NOM. EFF 91.0%

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

8208-ZZ

MOBIL POLYREX EM

нон

MOT

777

E ROTATION WARNING: Motor must be grounded in accordance v NTERCHANGE ANY TWO LINE WIRES TO REVERSE TH

T10-CURRY T11-GRN T12-VLT T9-BRK RED

T6-GRY T8-RED

T4-YEL

L2-WH

71-BLU 13-ORG F5-BLK L7-PNK

111

nentation avant l'entretien de la machine

choc électrique grave. Déconnectez l'alli

nd national electrical codes to prevent serious electrical

conformément aux codes électriques locaux et nationaux afin d'éviter tout shocks. Disconnect power source before servicing unit. AVERTISSEMENT: Le moteur doit être mis à la terre