DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12674733 Catalog #: 00318OT3V182TC-S Frame : 182/4TC Locked rotor time : 27s (cold) 15s (hot) Output : 3 HP (2.2 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 : 8.88/4.44 A : IC01 - ODP L. R. Amperes : 74.6/37.3 A Mounting : F-1 : Both (CW and CCW) LRC : 8.4x(Code K) Rotation¹ No load current : 4.76/2.38 A Noise level² : 55.0 dB(A) Rated speed : 1765 rpm Starting method : Direct On Line Slip : 1.94 % Approx. weight³ : 78.2 lb Rated torque : 8.93 ft.lb Locked rotor torque : 220 % Breakdown torque : 330 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.3092 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 87.5 88.5 : 149 lb Efficiency (%) 86.4 89.5 Max. traction Power Factor 0.35 0.60 0.73 0.80 Max. compression : 227 lb Drive end Non drive end Bearing type 6206 ZZ 6205 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



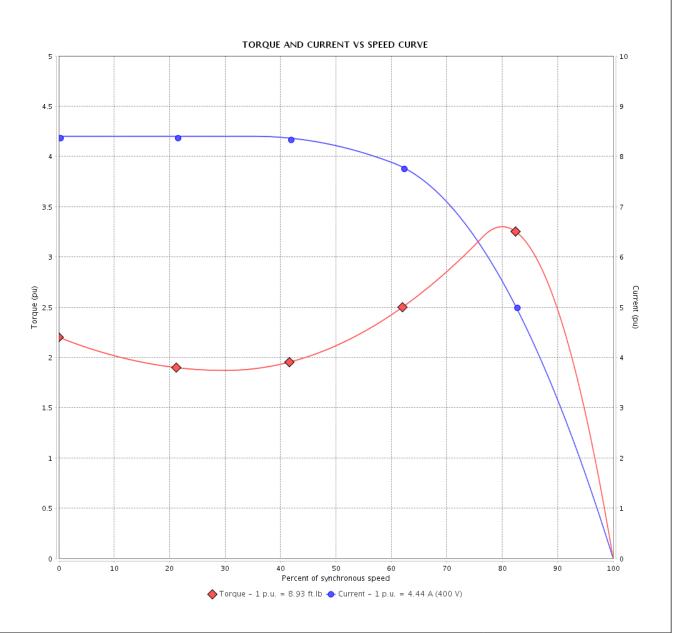
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674733

Catalog #: 00318OT3V182TC-S



: 200/400 V 60 Hz 4P Performance Rated current : 8.88/4.44 A Moment of inertia (J) : 0.3092 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) : F : 8.93 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 220 % : 1.15 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

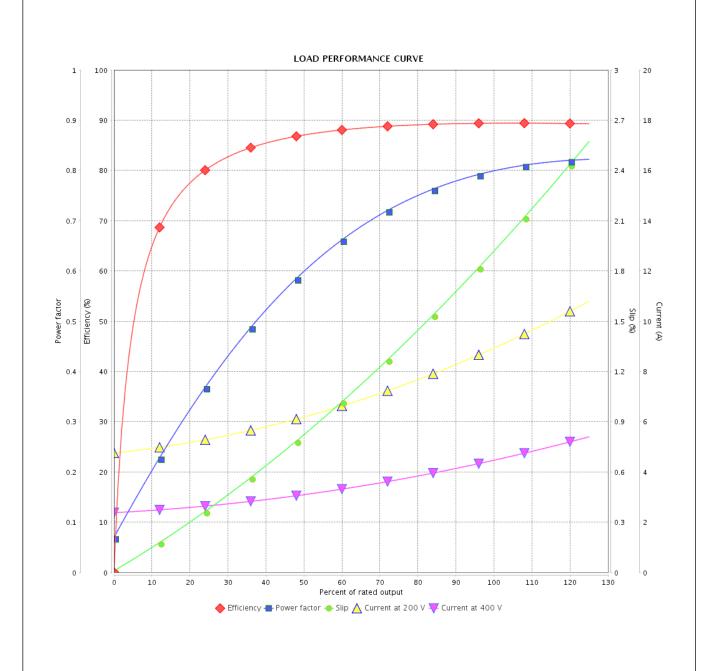


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674733

Phase

Catalog #: 00318OT3V182TC-S



Performance : 2		200/400 V 60 Hz 4P				
Rated current		88/4.44 A Moment of inertia (J)		: 0.3092 sq.ft.lb		
LRC		8.4	Duty cycle		: Cont.(S1)	
Rated torque		8.93 ft.lb	3 ft.lb Insulation class		: F	
Locked rotor torque		220 %	Service factor		: 1.15	
Breakdown torqu	ue :	330 %	Temperature rise		: 80 K	
Rated speed	:	765 rpm Design		: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



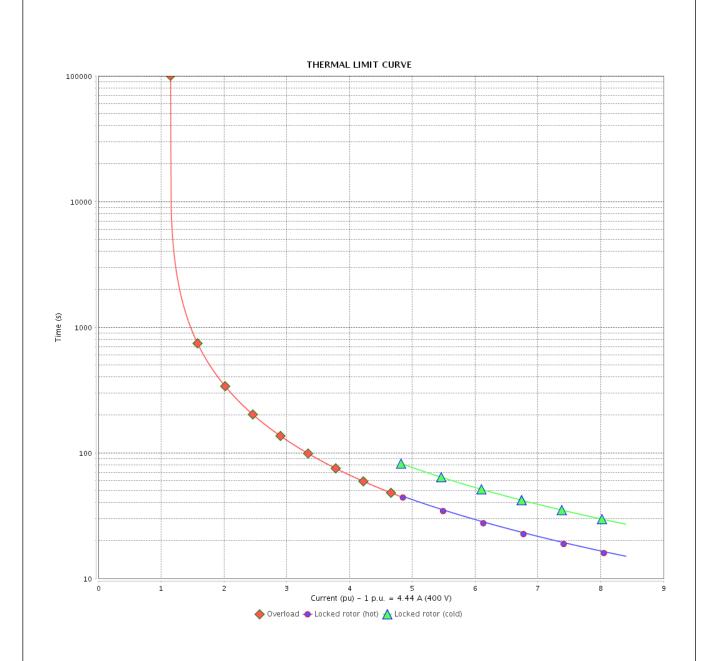
Customer	:				·	
Product line	: 1	NEMA Premium Efficiency	Three-	Product code :	12674733	
	Р	hase		Catalog # :	00318OT3V1	82TC-S
					0001001001	0210-0
Performance	: 20	00/400 V 60 Hz 4P				
Rated current		88/4.44 A	Moment o	f inertia (J)	: 0.3092 sq.ft.l	b
LRC Rated torque	: 8. : 8.	.4 .93 ft.lb	Duty cycle	: class	: Cont.(S1) : F	
Locked rotor torque	: 22	20 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		30 % 765 rpm	Temperatu Design	ıre rise	: 80 K : B	
	. ! !		2 30.911			
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



Revision

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Date

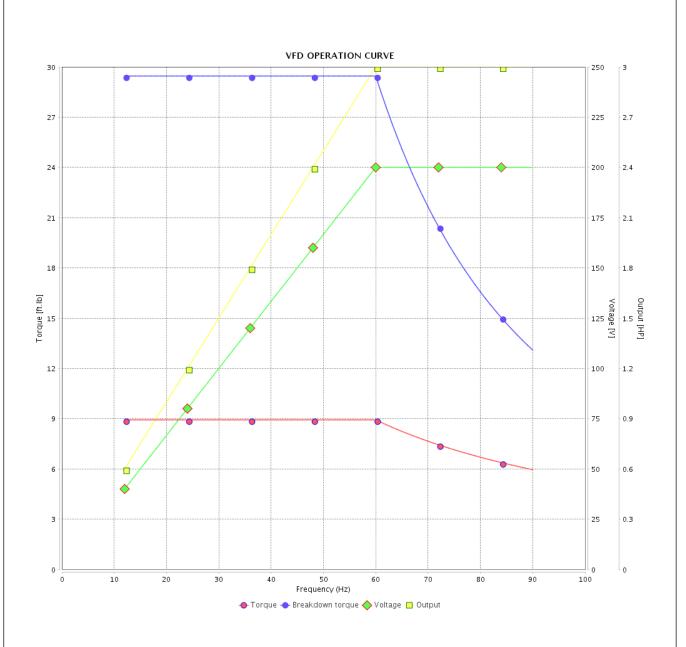
13/04/2022

Product line : NEMA Premium Efficiency Three- P

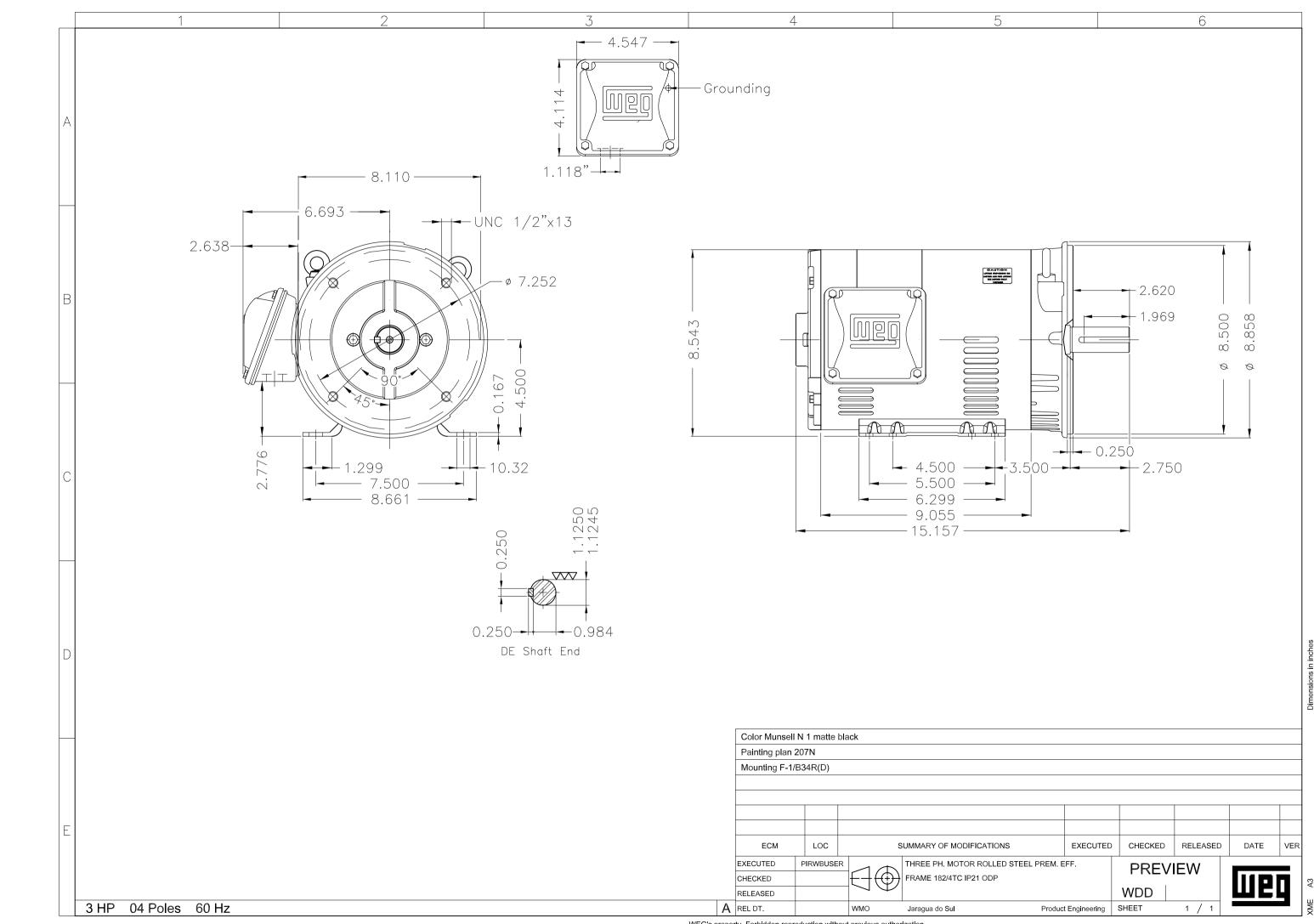
Phase

Product code: 12674733

Catalog #: 00318OT3V182TC-S



Performance : 200/400 V 60 Hz 4P Rated current : 8.88/4.44 A Moment of inertia (J) : 0.3092 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) Insulation class Rated torque : 8.93 ft.lb : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by





CC029A

12674733

MADE IN MÉXICO

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Energy Verifi

AODEL 00318OT3V182TC-S S/N V01.TO0IC0X0N

Hz 60 182/4TC 9FEB2022 CONT

1000 m.a.s.l

SFA 냃

8.88/4.4

2007 1.15

10.2/5.1

F AT 80K

SCL INC. 2

2°04

ZPM 뿝

CODE DES

ODP

HAM MON

89.5%

Inverter duty motor For use on VPWM 1000:1 VT, 5:1 CT

MOBIL POLYREX EM

8205-ZZ

ODE

8206-ZZ

111

T4-YEL

L2-WHJ T6-GRY T8-RED

71-BLU

13-ORG F5-BLK

нон

MOT

T10-CURRY T11-GRN T12-VLT T9-BRK RED L7-PNK

shocks. Disconnect power source before servicing unit. nd national electrical codes to prevent serious electrical WARNING: Motor must be grounded in accordance NTERCHANGE ANY TWO LINE WIRES TO REVERSE TH

777



nentation avant l'entretien de la machine

conformément aux codes électriques locaux et nationaux afin d'éviter tout

choc électrique grave. Déconnectez l'alli





