DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 13248866 Catalog #: 02018OT3V256TC-SG Frame : 254/6TC Locked rotor time : 27s (cold) 15s (hot) Output : 20 HP (15 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 : 1000 m.a.s.l. Altitude Cooling method Rated current : 57.5/28.8 A : IC01 - ODP L. R. Amperes : 362/181 A Mounting : F-1 : Both (CW and CCW) LRC : 6.3x(Code G) Rotation¹ No load current : 26.3/13.1 A Noise level² : 64.0 dB(A) Rated speed : 1770 rpm Starting method : Direct On Line : 228 lb Slip : 1.67 % Approx. weight³ Rated torque : 59.3 ft.lb Locked rotor torque : 240 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.23 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 93.0 : 711 lb Efficiency (%) 91.7 92.4 92.4 Max. traction Power Factor 0.74 0.81 : 939 lb 0.38 0.63 Max. compression Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3

Bearing type : 6309 Z C3 6208 Z C3
Sealing : Without Bearing Seal
Lubrication interval : 20000 h
Lubricant amount : 13 g 8 g

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



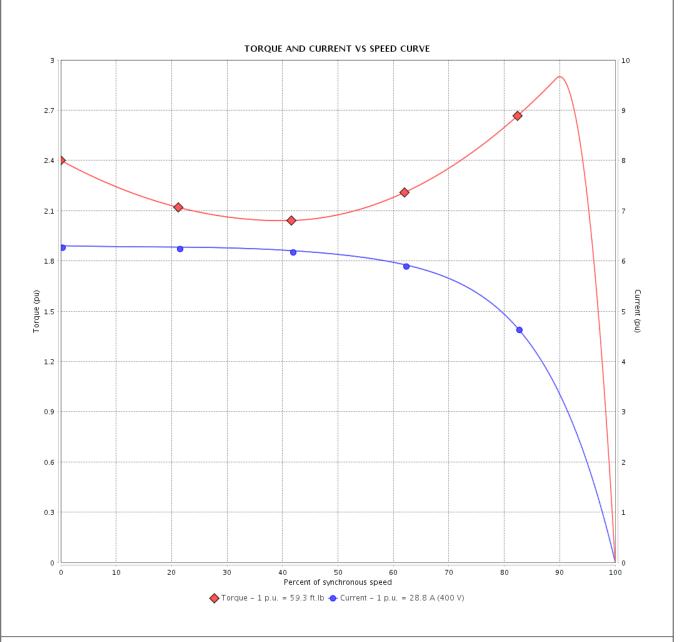
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 13248866

Catalog #: 02018OT3V256TC-SG



Performance : 200/400 V 60 Hz 4P Rated current : 57.5/28.8 A Moment of inertia (J) : 2.23 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 59.3 ft.lb : F Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

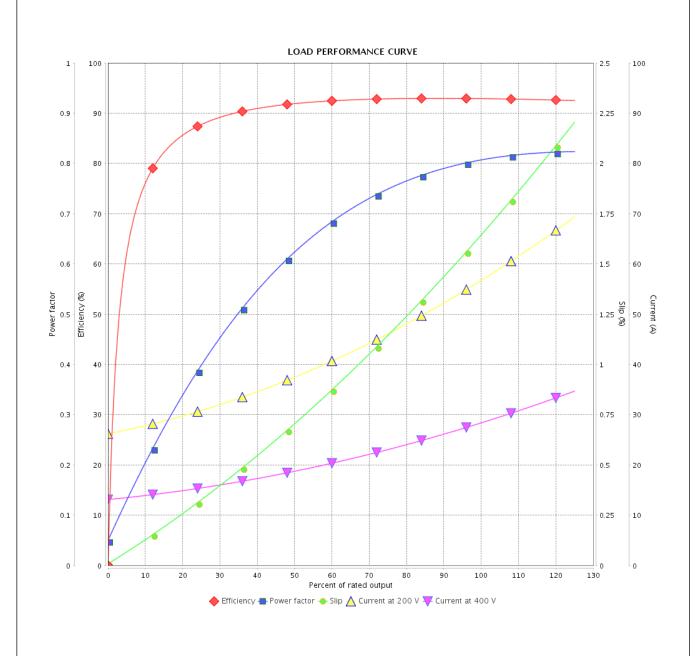


Customer

Product line : NEMA Premium Efficiency Three- Product code : 13248866

Phase

Catalog #: 02018OT3V256TC-SG



Performance :		: 200/400 V 60 Hz 4P					
Rated current :		57.5/28.8 A	Moment o	Moment of inertia (J)			
LRC		3.3	Duty cycle		: Cont.(S1)		
		59.3 ft.lb Insulation class 240 % Service factor		class	: F		
				: 1.15			
Breakdown torque	e : 2	: 290 % Temperature Design		ure rise : 80 K			
Rated speed	: 1				: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



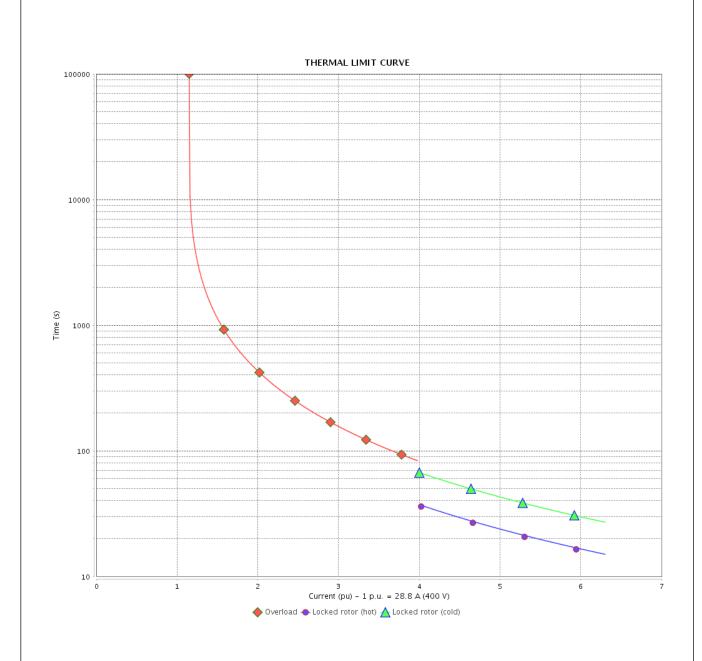
Customer	:			
Product line	: NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	13248866 02018OT3V2	56TC-SG
Performance	: 200/400 V 60 Hz 4P			
Rated current	: 57.5/28.8 A	Moment of inertia (J)	: 2.23 sq.ft.lb	
LRC Rated torque	: 6.3 : 59.3 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F	
Locked rotor torque	: 240 %	Service factor	: 1.15	
Breakdown torque Rated speed	: 290 % : 1770 rpm	Temperature rise Design	: 80 K : B	
Heating constant				
Cooling constant		ı	1	
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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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Customer :

Checked by

Date

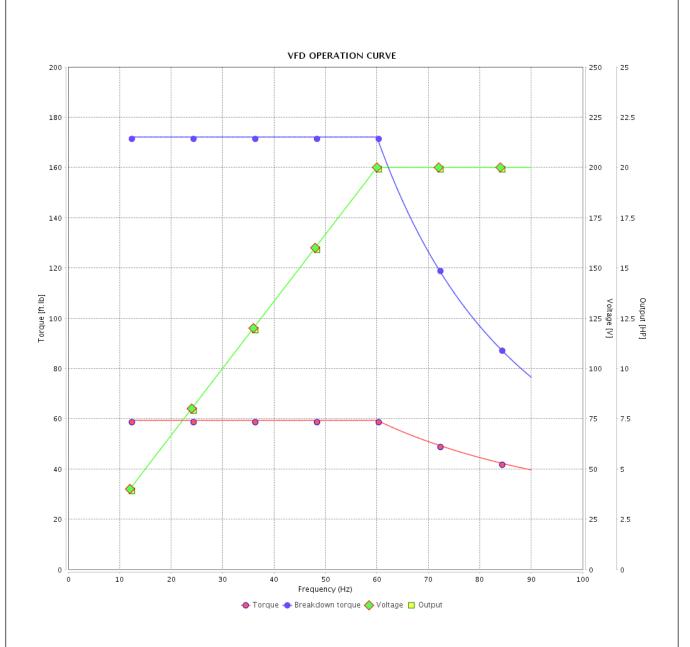
14/04/2022

Product line : NEMA Premium Efficiency Three-

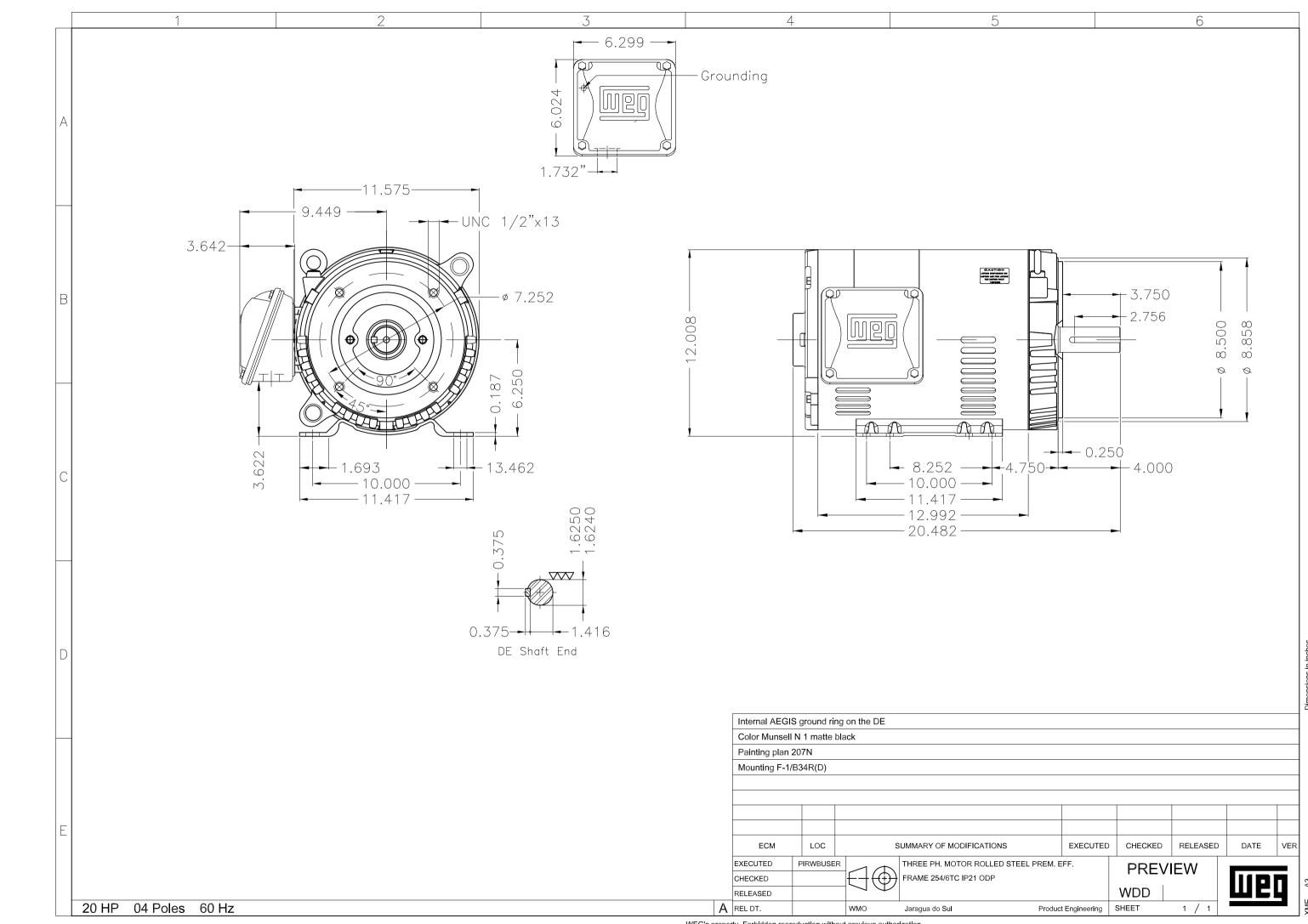
Phase

Product code: 13248866

Catalog #: 02018OT3V256TC-SG



Performance : 200/400 V 60 Hz 4P Rated current : 57.5/28.8 A Moment of inertia (J) : 2.23 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 Insulation class : 59.3 ft.lb : F Rated torque Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by





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CC029A

13248866

MADE IN MÉXICO

V01.TO0IC0X0N

& Energy Verifi

3PT9

MODEL 02018OT3V256TC-SG Hz 60 S/N 0NOV2021

254/6TC CONT

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

57.5/28.8

200/400 56.1/33.

U CODE DES

> 2°04 ODP

SCL NCL

SFA 냃

1.15

ZPM 쌆

NEMA

NOM. EFF 93.0%

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

ODE 6208-Z-C3

8309-Z-C3

牌

2000bh

111

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MOT

T9-BRK RED 71-BLU 13-ORG F5-BLK L7-PNK

777

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





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

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine