DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JM Pump NEMA Premium Product code: 13482987 Efficiency Three-Phase Catalog #: 02036OT3V254JMV-S Frame : 254/6JM Locked rotor time : 23s (cold) 13s (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 Altitude : 1000 m.a.s.l. : IC01 - ODP Cooling method Rated current : 54.7/27.4 A L. R. Amperes : 328/164 A Mounting : W-6 : Both (CW and CCW) LRC : 6.0x(Code G) Rotation¹ No load current : 19.6/9.78 A Noise level² : 70.0 dB(A) Rated speed : 3525 rpm Starting method : Direct On Line Slip : 2.08 % Approx. weight³ : 177 lb Rated torque : 29.8 ft.lb Locked rotor torque : 180 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.7848 sq.ft.lb Design 25% 50% 75% 100% Output Foundation loads 90.0 90.2 91.0 : 254 lb Efficiency (%) 91.0 Max. traction Power Factor 0.49 0.83 0.87 : 431 lb 0.76 Max. compression Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3 Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 15797 h 20000 h 8 g

Lubricant amount 13 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



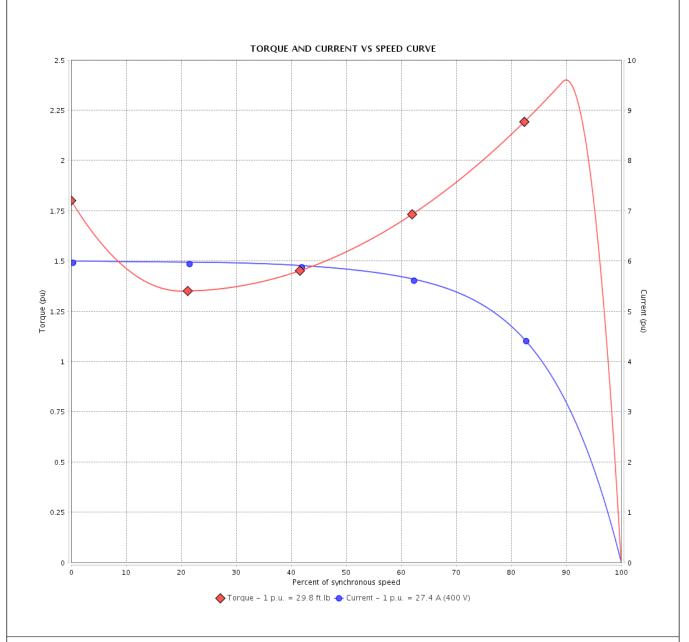
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482987

Catalog #: 02036OT3V254JMV-S



Performance : 200/400 V 60 Hz 2P Rated current : 54.7/27.4 A Moment of inertia (J) : 0.7848 sq.ft.lb **LRC** : 6.0 Duty cycle : Cont.(S1) : F : 29.8 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 180 % : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3525 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



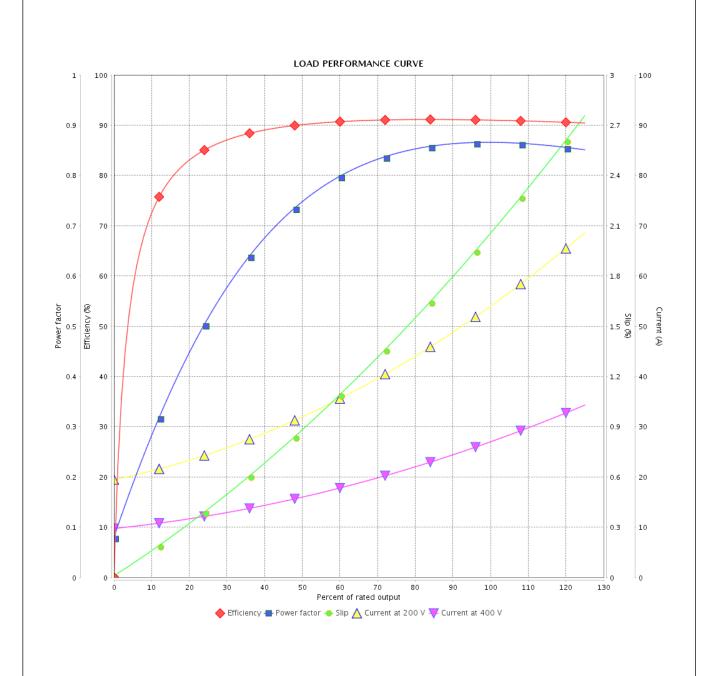
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482987

Catalog #: 02036OT3V254JMV-S



Performance		200/400 V 60 Hz 2P					
Rated current		: 54.7/27.4 A	4.7/27.4 A Moment of inertia (J)		: 0.7848 sq.ft.lb		
LRC		6.0	Duty cycle		: Cont.(S1)		
Rated torque		: 29.8 ft.lb Insulatio		class	:F		
Locked rotor torque		: 180 %	Service fa	Service factor		: 1.15	
Breakdown torqu	ue	: 240 %	Temperati	Temperature rise			
Rated speed	:	3525 rpm Design			: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



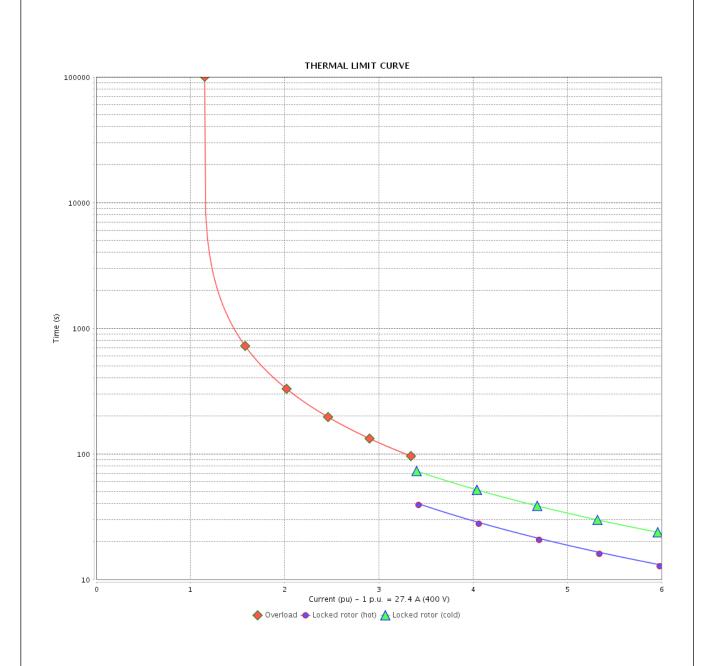
Customer	:					
Product line	:.	JM Pump NEMA Premium	I	Product code :	13482987	
	E	fficiency Three-Phase		Catalog # :	02036OT3V2	54JMV-S
Performance	: 2	00/400 V 60 Hz 2P				
Rated current	: 54	4.7/27.4 A	Moment o	f inertia (J)	: 0.7848 sq.ft.l	b
LRC Rated torque	: 6	.0 9.8 ft.lb	Duty cycle Insulation	!	: Cont.(S1) : F	
Locked rotor torq	ue : 1	80 %	Service fa	ctor	: 1.15	
Breakdown torqui Rated speed	e : 2	40 % 525 rpm	Temperatu Design	ıre rise	: 80 K : B	
		ozo ipin	Design		. D	
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 :

Date

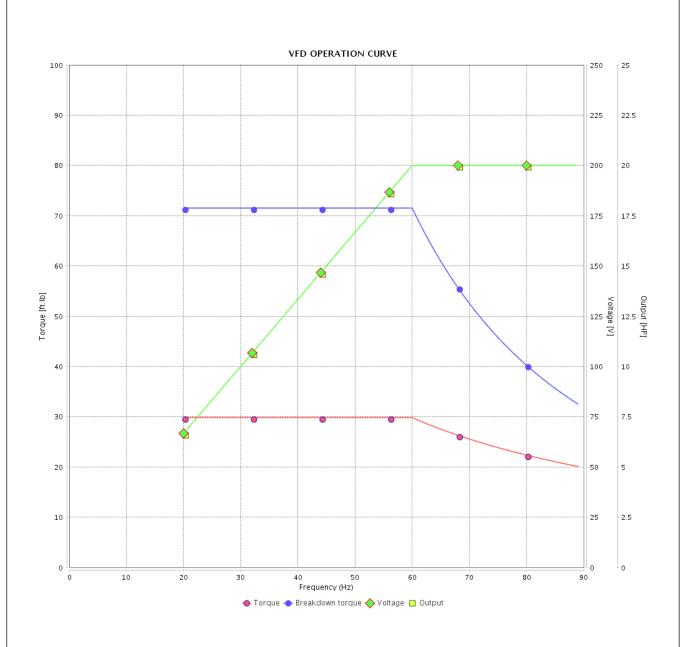
14/04/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

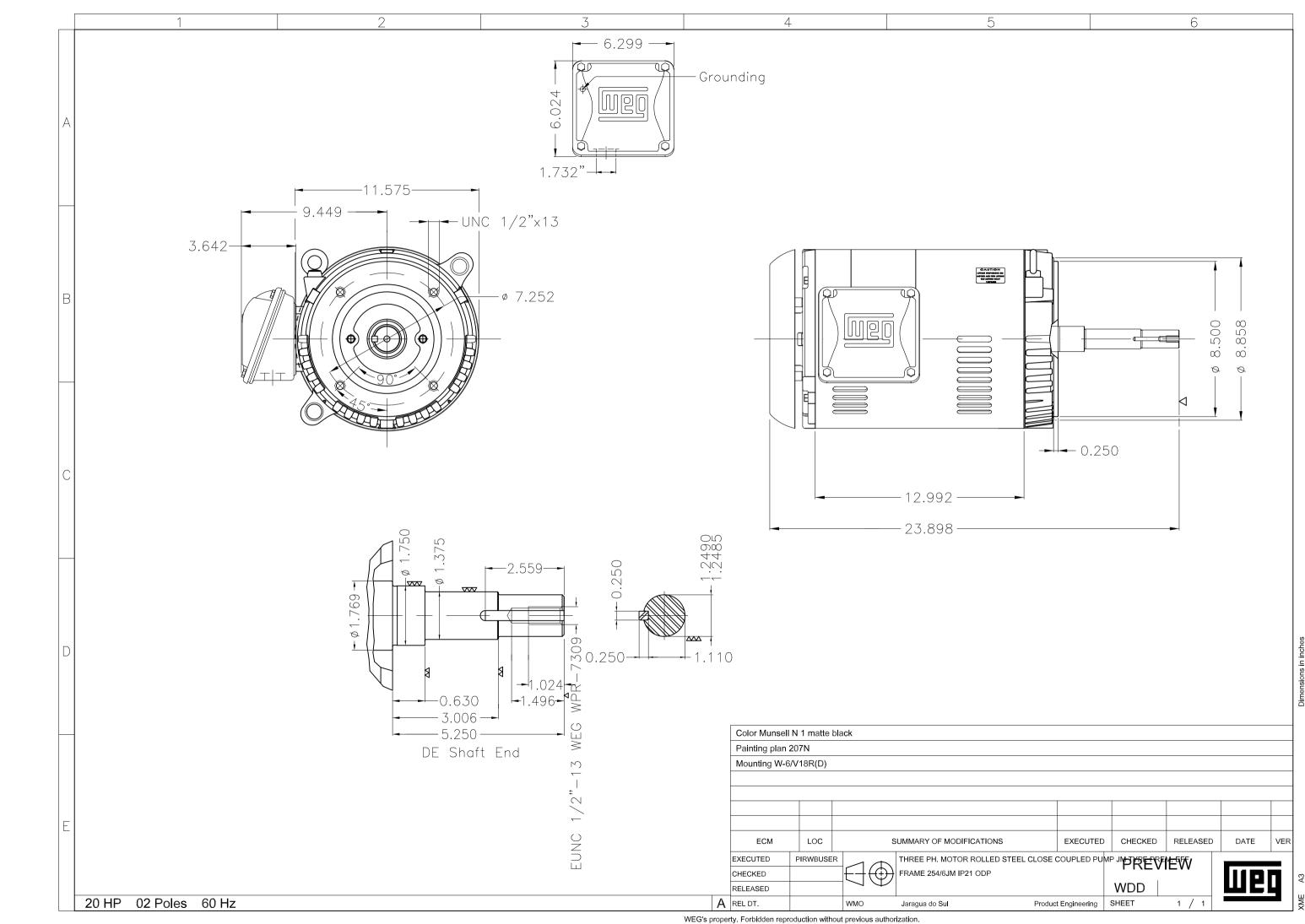
Product code: 13482987

Catalog #: 02036OT3V254JMV-S



Performance : 200/400 V 60 Hz 2P Rated current : 54.7/27.4 A Moment of inertia (J) : 0.7848 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.0 Insulation class : 29.8 ft.lb : F Rated torque Locked rotor torque : 180 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3525 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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13482987

MADE IN MÉXICO

& Energy Verifi **UL)**US LISTED

3PT9

ODEL 020360T3V254JMV-S S/N V01.TO0IC0X0N UN2021

Hz 60 254/6JM

CONT

1000 m.a.s.l

F AT 80K

U CODE DES

> 2°04 ODP

SCL INC.

3FA

54.7/27.4 52.9/31.5

1.15

200/400

ZPM 냃 쌆

NEMA

NOM. EFF 91.0%

Inverter duty motor For use on VPWM 1000:1 VT, 3:1 CT

MOBIL POLYREX EM 111

6208-Z-C3

ODE

8309-Z-C3

15797h

T4-YEL

T2-WH T6-GRY T8-RED

71-BLU 13-ORG

нон

MOT

T9-BRK RED F5-BLK L7-PNK



nentation avant l'entretien de la machine

choc électrique grave. Déconnectez l'alli





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