DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JM Pump NEMA Premium Product code: 13289039 Efficiency Three-Phase Catalog #: 01018OT3H215JMV-S Frame : 213/5JM Locked rotor time : 25s (cold) 14s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Frequency : 60 Hz Rated voltage : 575 V Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Rated current : 9.92 A : 69.4 A L. R. Amperes Mounting : W-6 : 7.0x(Code H) : Both (CW and CCW) LRC Rotation¹ No load current : 4.79 A Noise level² : 59.0 dB(A) Rated speed : 1770 rpm Starting method : Direct On Line : 128 lb Slip : 1.67 % Approx. weight³ Rated torque : 29.7 ft.lb Locked rotor torque : 250 % Breakdown torque : 350 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.30 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 90.2 91.7 : 522 lb Efficiency (%) 89.4 91.0 Max. traction Power Factor 0.38 0.64 0.83 : 650 lb 0.77 Max. compression Drive end Non drive end Bearing type 6209 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



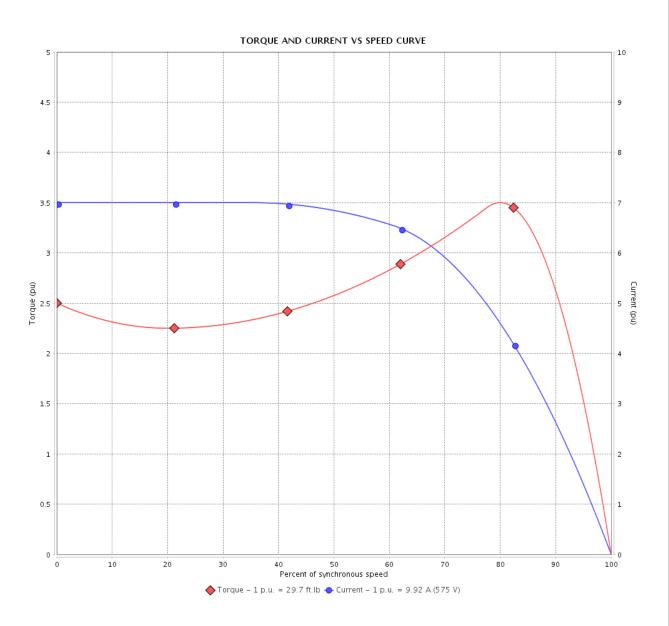
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13289039

Catalog #: 01018OT3H215JMV-S



Performance : 575 V 60 Hz 4P Rated current : 9.92 A Moment of inertia (J) : 1.30 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) : 29.7 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 250 % : 1.15 Breakdown torque : 350 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



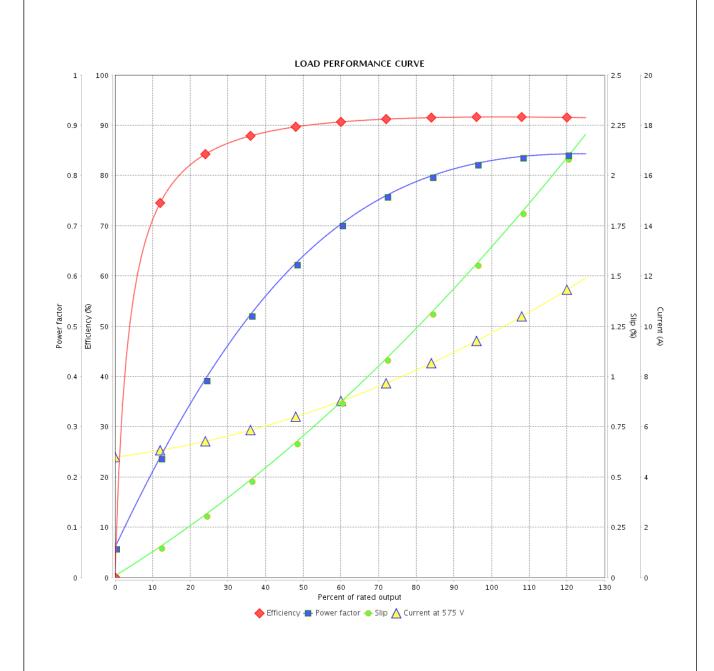
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13289039

Catalog #: 01018OT3H215JMV-S



Performance		: 575 V 60 Hz 4P						
Rated current		.92 A	Moment of inertia (J)		: 1.30 sq.ft.lb			
LRC : 7.		.0	Duty cycle		: Cont.(S1)			
Rated torque :		9.7 ft.lb	Insulation class		:F			
Locked rotor torque : 2		50 %	Service factor		: 1.15			
Breakdown torque	: 3	50 %	Temperature rise		: 80 K			
Rated speed	: 1	770 rpm Design			: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



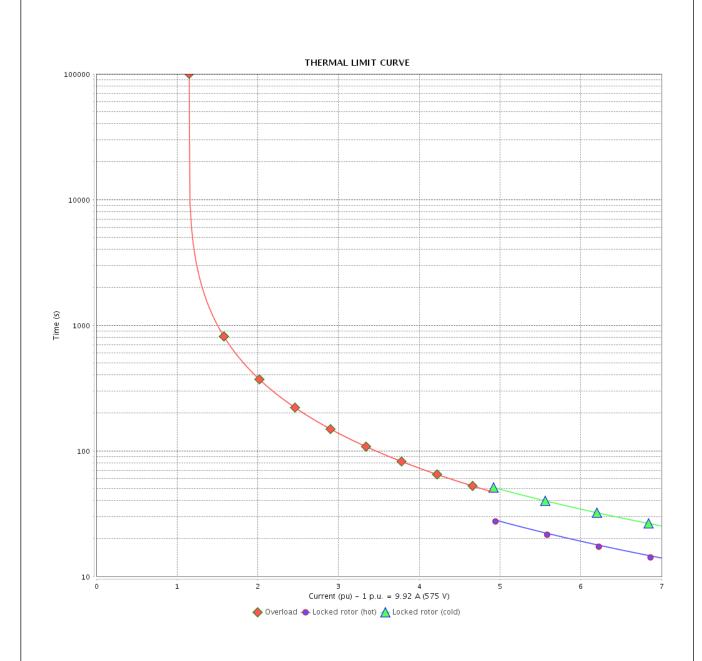
Customer	:					
Product line	:.	JM Pump NEMA Premium	1	Product code :	13289039	
	E	fficiency Three-Phase	(Catalog # :	01018OT3H2	15JMV-S
Performance	: 57	75 V 60 Hz 4P				
Rated current		92 A	Moment of	f inertia (J)	: 1.30 sq.ft.lb	
LRC Rated torque		9.7 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor tord		50 % 50 %	Service factorial		: 1.15 : 80 K	
Breakdown torqu Rated speed		770 rpm	Design	11 C 113 C	: B	
Heating constant	<u> </u>					
Cooling constant			-			
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Checked by					Page	Revision
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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



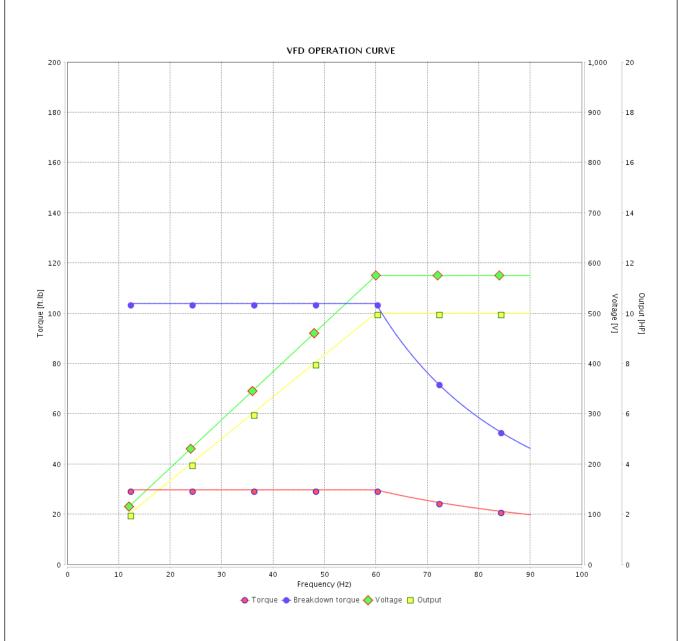
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13289039

Catalog #: 01018OT3H215JMV-S

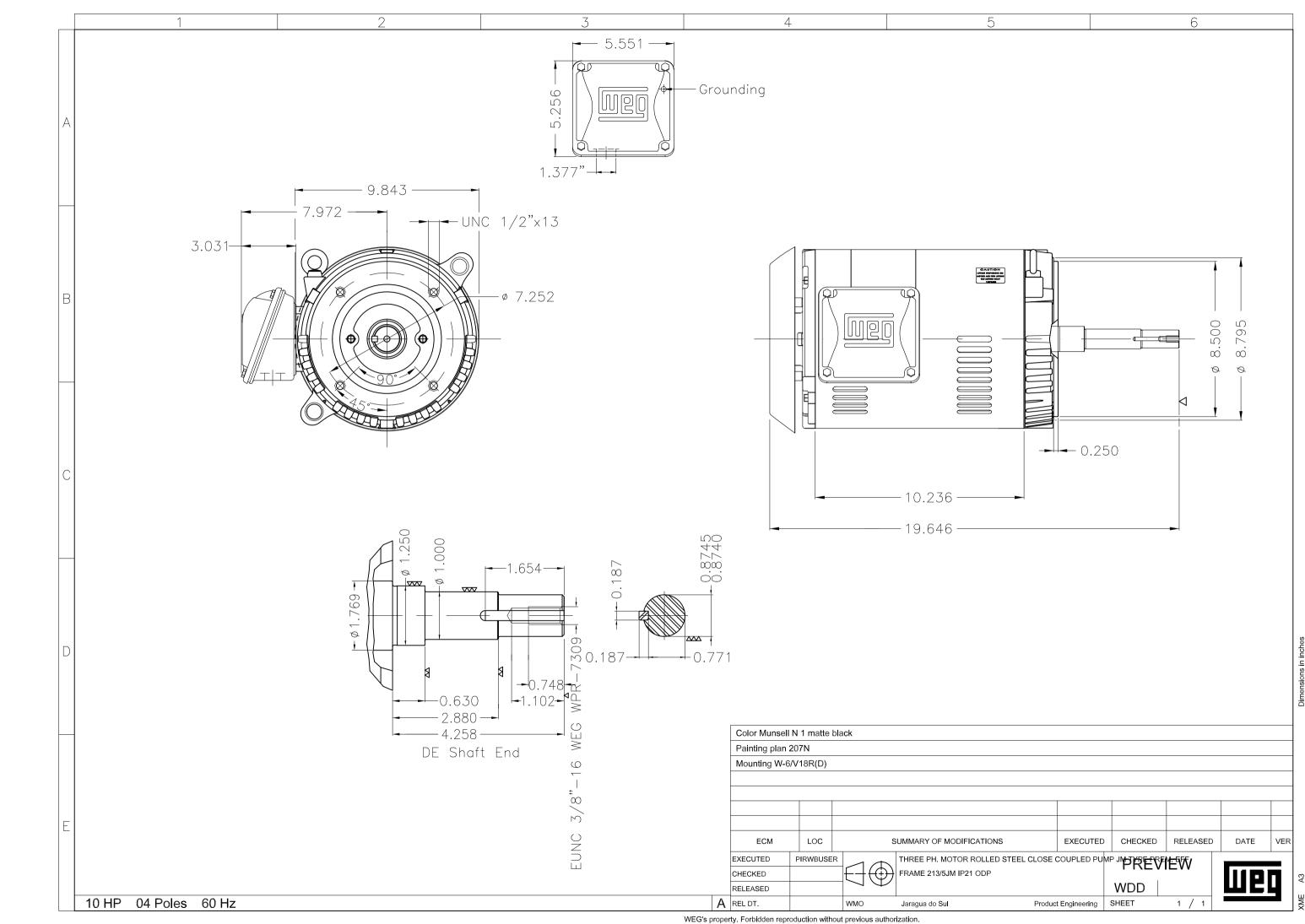


Performance	: 575 V 60 Hz 4P				
Rated current	: 9.92 A	9.92 A Moment of inertia (J)			
LRC	: 7.0	Duty cycle	: Cont.(S1)		
Rated torque	: 29.7 ft.lb	Insulation class	: F	: F	
Locked rotor torque	: 250 %	Service factor	: 1.15	: 1.15	
Breakdown torque	: 350 %	Temperature rise	: 80 K		
Rated speed	: 1770 rpm	Design	: B		
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Checked by			Page	Revision	

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12/04/2022

Date





<u>₹</u> CC029A 13289039 MADE IN MÉXICO

IM010504DPNPSW01 N01.TO0IC0X0N

S/N

3DEC2021

213/5JM

1000 m.a.s.l

CONT

F AT 80K

NSC INC. WB

2°04 ODP

Hz 60

T2-WHT r3-ORG T1-BLU

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

NOM EFF 91.7% 1770 1.15 575 9.92 7.

NEMA RPM 3FA SF 监

> CODE DES

MOBIL POLYREX EM

ODE 6206-2Z

8209-ZZ

牌

r6-GRY 15-BLK T4-YEL

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

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

AVERTISSEMENT: Le moteur doit être mis à la terre 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 ind national electrical codes to prevent serious electrical

(**VL)**US LISTED

3PT9



