### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : JP Pump NEMA Premium Product code: 12682719 Efficiency Three-Phase Catalog #: 01536OT3H215JP-S Frame : 213/5JP Locked rotor time : 14s (cold) 8s (hot) Output : 15 HP (11 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. : IC01 - ODP Cooling method Rated current : 13.8 A L. R. Amperes : 93.6 A Mounting : F-1 : 6.8x(Code G) : Both (CW and CCW) LRC Rotation<sup>1</sup> No load current : 4.93 A Noise level<sup>2</sup> : 66.0 dB(A) Rated speed : 3535 rpm Starting method : Direct On Line : 146 lb Slip : 1.81 % Approx. weight<sup>3</sup> Rated torque : 22.3 ft.lb Locked rotor torque : 210 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.5512 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 90.2 90.2 90.2 : 279 lb Efficiency (%) 90.1 Max. traction Power Factor 0.50 0.86 0.89 : 425 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

Mobil Polyrex EM

Notes

Lubricant type

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



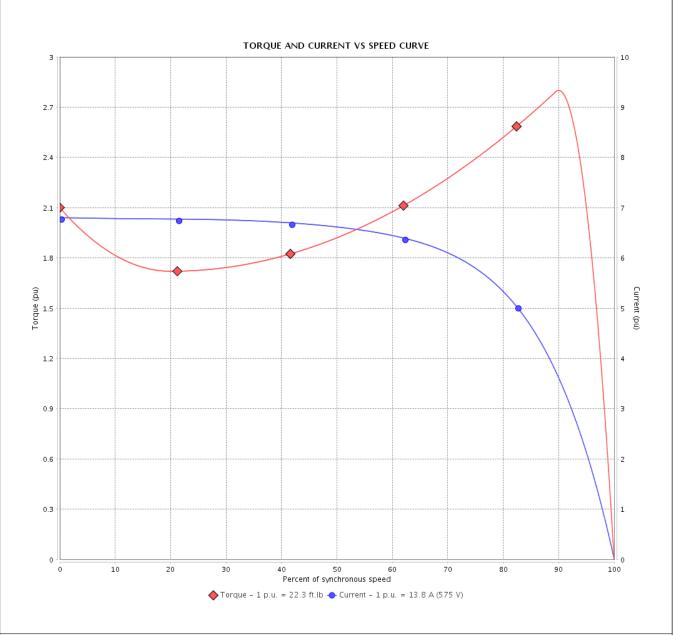
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682719

Catalog #: 01536OT3H215JP-S



Performance : 575 V 60 Hz 2P Rated current : 13.8 A Moment of inertia (J) : 0.5512 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 22.3 ft.lb Service factor : 1.15 Locked rotor torque : 210 % Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3535 rpm Design : B

Locked rotor time : 14s (cold) 8s (hot)

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## LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



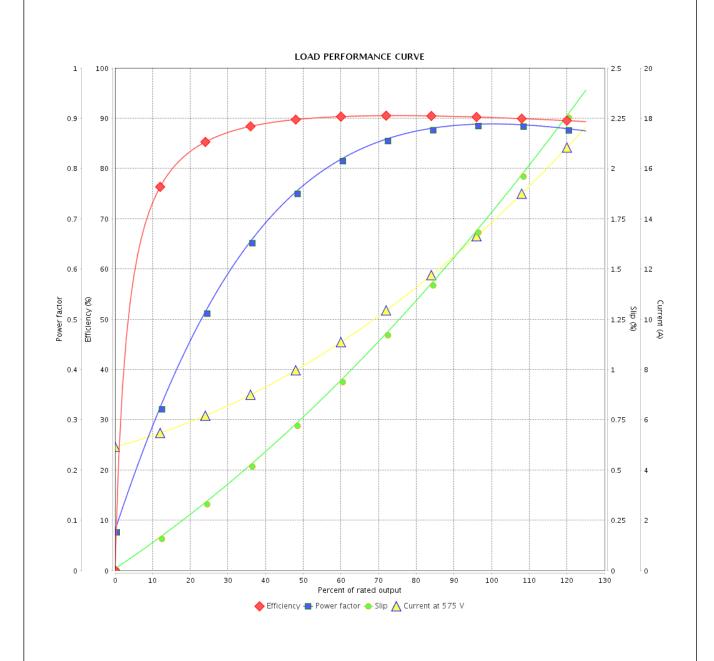
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682719

Catalog #: 01536OT3H215JP-S



Performance	:	575 V 60 Hz 2P					
Rated current		13.8 A	Moment of inertia (J)		: 0.5512 sq.ft.lb		
LRC		6.8	Duty cycle	Duty cycle			
Rated torque		22.3 ft.lb	Insulation	Insulation class		:F	
		210 %	Service fa	Service factor		: 1.15	
Breakdown torque		280 %	Temperat	Temperature rise		: 80 K	
Rated speed	:	535 rpm Design		: B			
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# THERMAL LIMIT CURVE

### Three Phase Induction Motor - Squirrel Cage



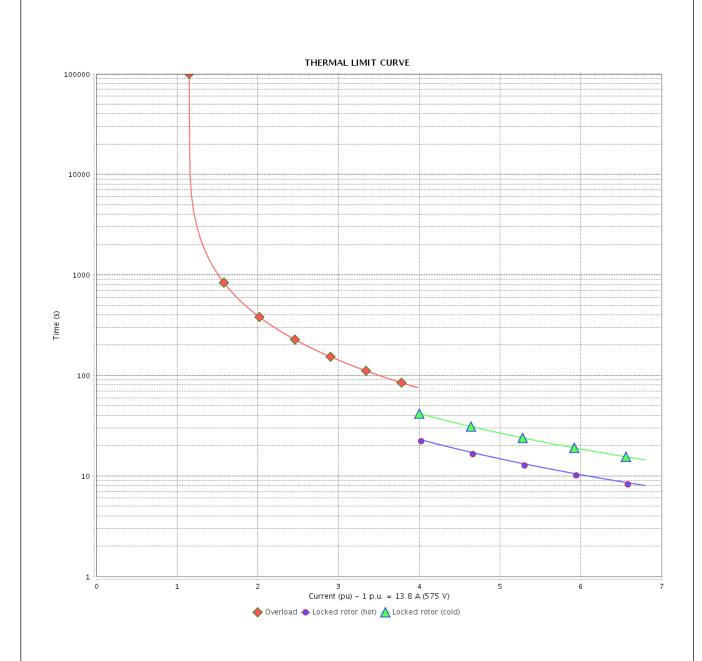
Customer	:				
Product line	: JP Pump NEMA Premium	Product code :	12682719		
	Efficiency Three-Phase	Catalog # :	01536OT3H2	015 ID C	
			01000010112		
Performance	: 575 V 60 Hz 2P	T		_	
Rated current LRC	: 13.8 A : 6.8	Moment of inertia (J) Duty cycle	: 0.5512 sq.ft.l : Cont.(S1)	b	
Rated torque	: 22.3 ft.lb	Insulation class	: F		
Locked rotor torque Breakdown torque	: 210 % : 280 %	Service factor Temperature rise	: 1.15 : 80 K		
Rated speed	: 3535 rpm	Design	: B		
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



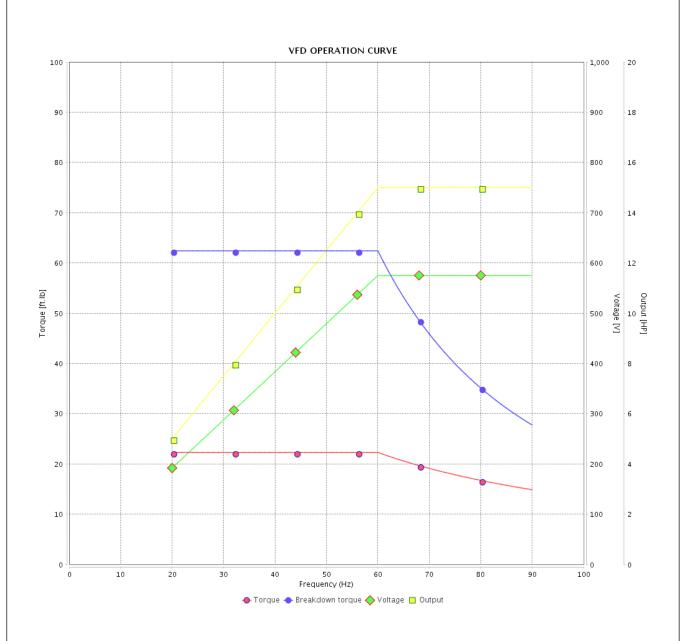
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682719

Catalog #: 01536OT3H215JP-S

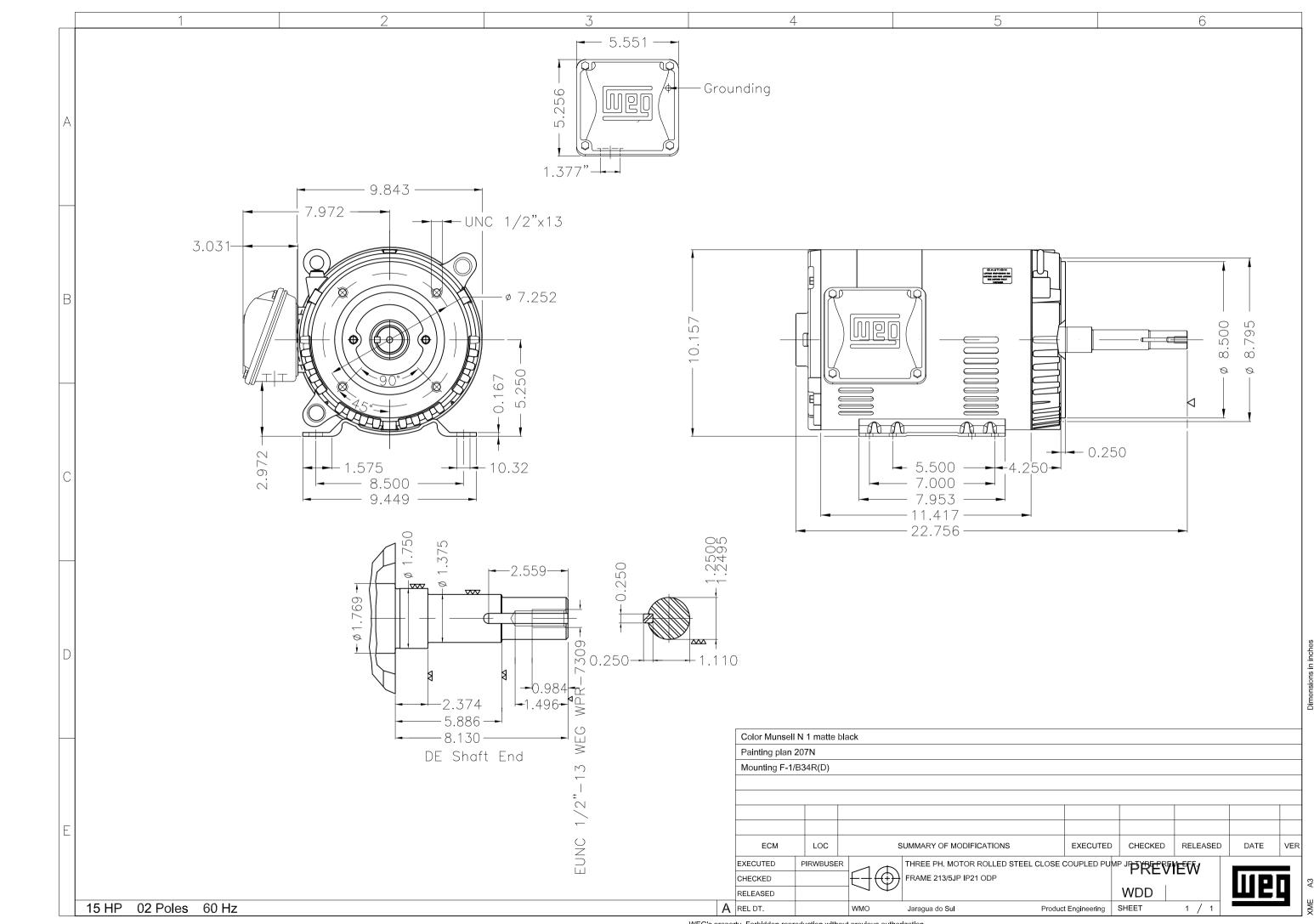


Performance	: 575 V 60 Hz 2P				
Rated current	: 13.8 A	Moment of inertia (J)		: 0.5512 sq.ft.lb	
LRC	: 6.8	Duty cycle		: Cont.(S1)	
Rated torque	: 22.3 ft.lb	Insulation class		:F	
Locked rotor torque	: 210 %	Service factor		: 1.15	
Breakdown torque	: 280 %	Temperature rise		: 80 K	
Rated speed	: 3535 rpm	Design		: B	
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13/04/2022

Date









**&** Energy Verified (**VL)**US LISTED 3PT9

> MODEL 015360T3H215JP-S Hz 60 S/N 0NOV2021

N01.TODICOXON

12682719

MADE IN MÉXICO

213/5JP

CONT

1000 m.a.s.l

F AT 80K

1.15 575 13.8 15.9

> 2°04 ODP

NSC NCL WB

3FA 쑮 쌆

> U CODE DES

NEMA

NOM. EFF 90.2% RPM

Inverter duty motor For use on VPWM 1000:1 VT, 3:1 CT ODE 6206-2Z

8209-ZZ

牌

MOBIL POLYREX EM

T2-WHT

T1-BLU





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



