DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JP Pump NEMA Premium Product code: 13482979 Efficiency Three-Phase Catalog #: 01036OT3H213JPV-S Frame : 213/5JP Locked rotor time : 19s (cold) 11s (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 : 9.60 A L. R. Amperes : 65.3 A Mounting : W-6 : Both (CW and CCW) LRC : 6.8x(Code H) Rotation¹ No load current : 3.73 A Noise level² : 66.0 dB(A) Rated speed : 3535 rpm Starting method : Direct On Line Slip : 1.81 % Approx. weight³ : 127 lb Rated torque : 14.9 ft.lb : 200 % Locked rotor torque Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4651 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 88.5 89.5 89.5 : 171 lb Efficiency (%) 88.3 Max. traction Power Factor 0.47 0.74 0.84 0.88 : 298 lb 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



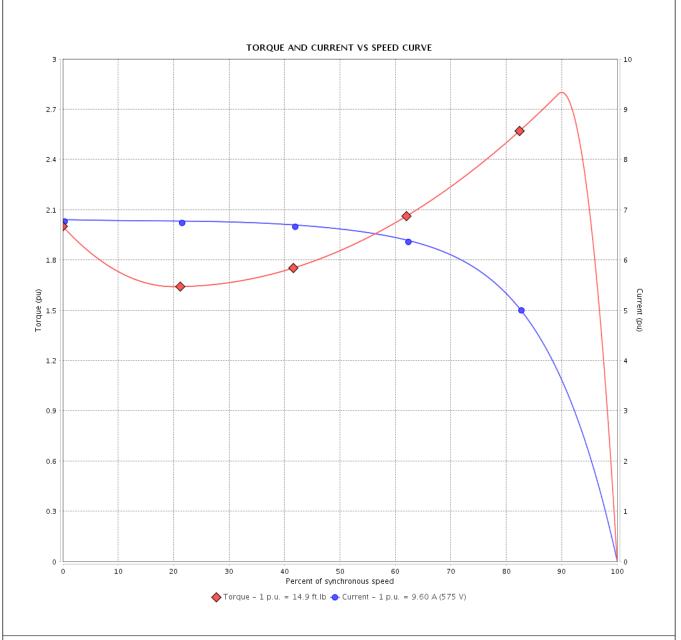
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482979

Catalog #: 01036OT3H213JPV-S



Performance : 575 V 60 Hz 2P Rated current : 9.60 A Moment of inertia (J) : 0.4651 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 14.9 ft.lb Service factor Locked rotor torque : 200 % : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3535 rpm Design : B

Locked rotor time : 19s (cold) 11s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



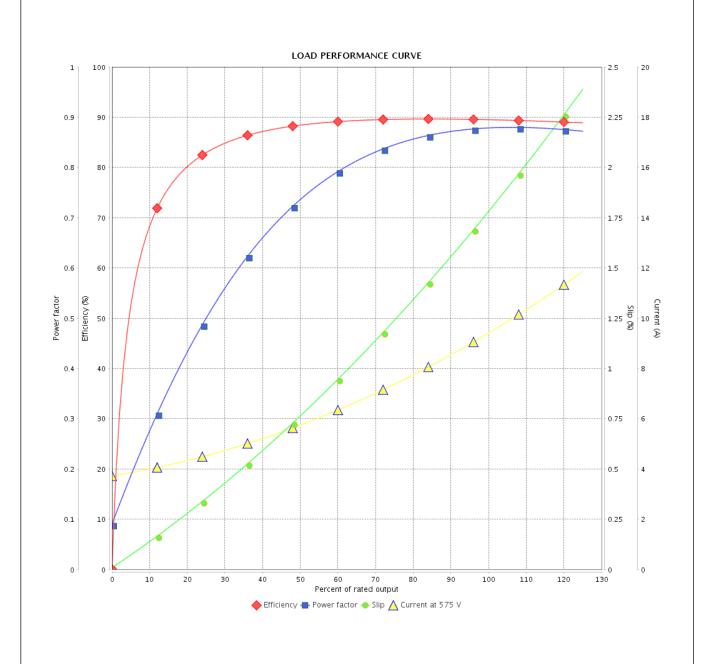
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482979

Catalog #: 01036OT3H213JPV-S



Performance	:	: 575 V 60 Hz 2P						
Rated current	:	9.60 A	Moment of inertia (J)		: 0.4651 sq.ft.lb			
LRC		6.8	Duty cycle		: Cont.(S1)			
Rated torque		14.9 ft.lb	Insulation class		:F			
Locked rotor torque	e :	200 %	Service factor		: 1.15			
Breakdown torque	:	280 %	Temperature rise		: 80 K			
Rated speed	:	: 3535 rpm			: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



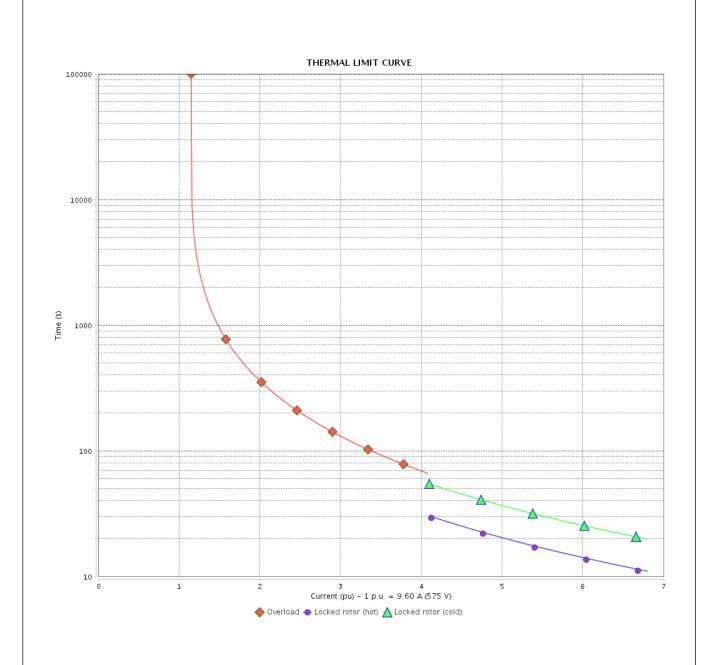
Customer	:					
Product line	: .	JP Pump NEMA Premium	I	Product code :	13482979	
		fficiency Three-Phase	(Catalog # :	01036OT3H2	213JPV-S
D. (75.V.00.II. 0D				
Performance Rated current		75 V 60 Hz 2P 60 A	Moment of	f inertia (J)	: 0.4651 sq.ft.l	h
LRC	: 6.	8	Duty cycle	!	: Cont.(S1)	~
Rated torque Locked rotor torq		4.9 ft.lb 00 %	Insulation Service fa		: F : 1.15	
Breakdown torqu	e : 28	30 %	Temperatu		: 80 K	
Rated speed		535 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



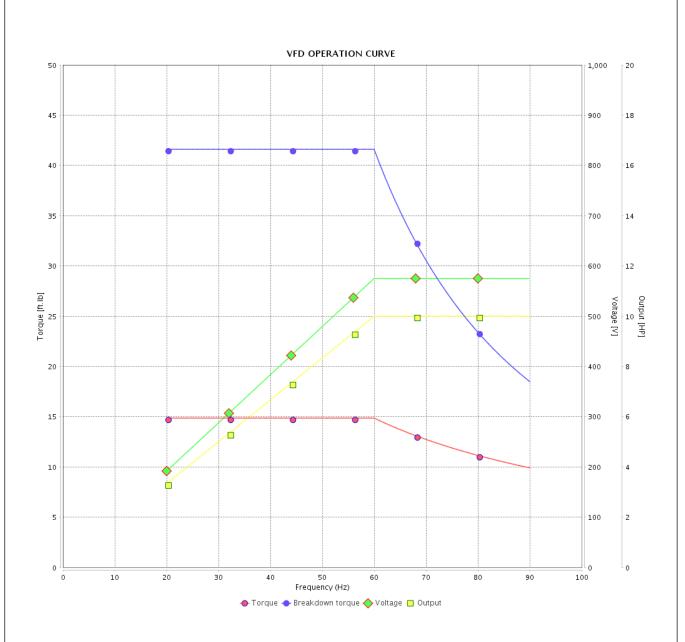
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482979

Catalog #: 01036OT3H213JPV-S

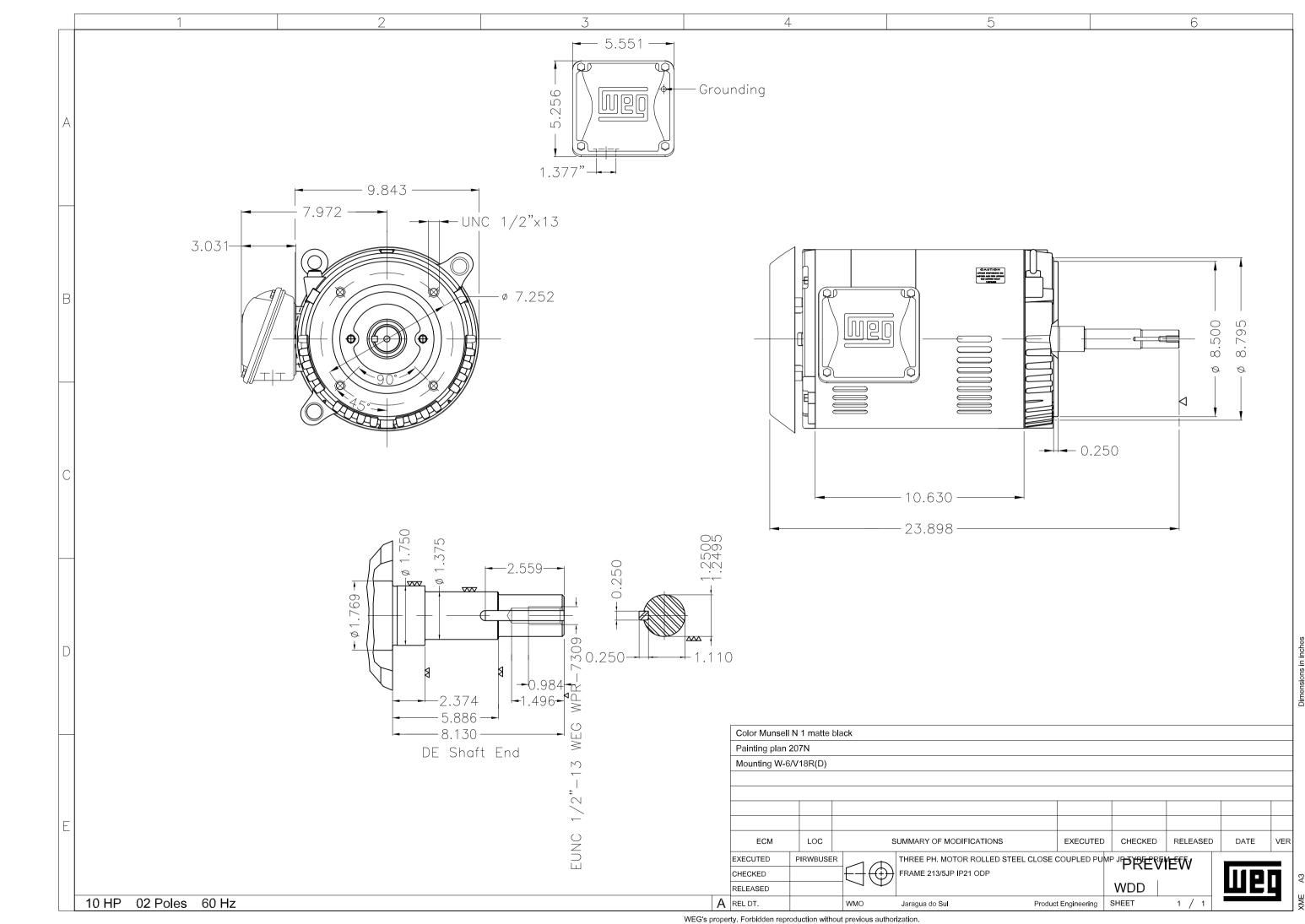


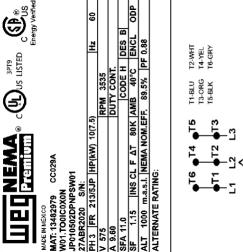
Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 9.60 A : 6.8 : 14.9 ft.lb : 200 % : 280 % : 3535 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4651 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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12/04/2022

Date





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INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national MOBIL POLYREX EM Inverter duty motor For use on VPWM 1000:1 VT, 3:1 CT electrical codes to prevent serious electrical shocks. Disconnect nower 6206-ZZ ODE 6209-ZZ

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

source before servicing unit.

