DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JP Pump NEMA Premium Product code: 13311846 Efficiency Three-Phase Catalog #: 02018ET3H256JP-S Frame : 254/6JP Locked rotor time : 28s (cold) 16s (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 : 575 V : 1000 m.a.s.l. Altitude Rated current : 19.8 A Protection degree : IP55 L. R. Amperes : 132 A Cooling method : IC411 - TEFC LRC : 6.7x(Code H) Mounting : F-1 No load current : 8.89 A Rotation¹ : Both (CW and CCW) Rated speed : 1765 rpm Noise level² : 68.0 dB(A) Starting method Slip : 1.94 % : Direct On Line Rated torque : 59.5 ft.lb Approx. weight³ : 258 lb Locked rotor torque : 270 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.64 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 93.0 : 727 lb Efficiency (%) 91.0 91.7 92.4 Max. traction Power Factor 0.66 0.82 : 985 lb 0.40 0.77 Max. compression Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3 V'Ring Sealing Without Bearing Seal Lubrication interval 20000 h 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



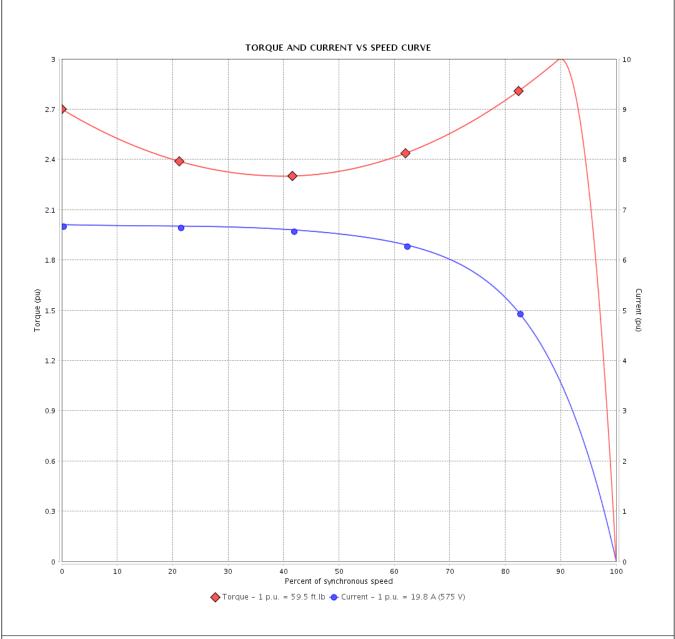
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13311846

Catalog #: 02018ET3H256JP-S



Performance : 575 V 60 Hz 4P Rated current : 19.8 A Moment of inertia (J) : 2.64 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 59.5 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 270 % : 1.15

Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Locked rotor time : 28s (cold) 16s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



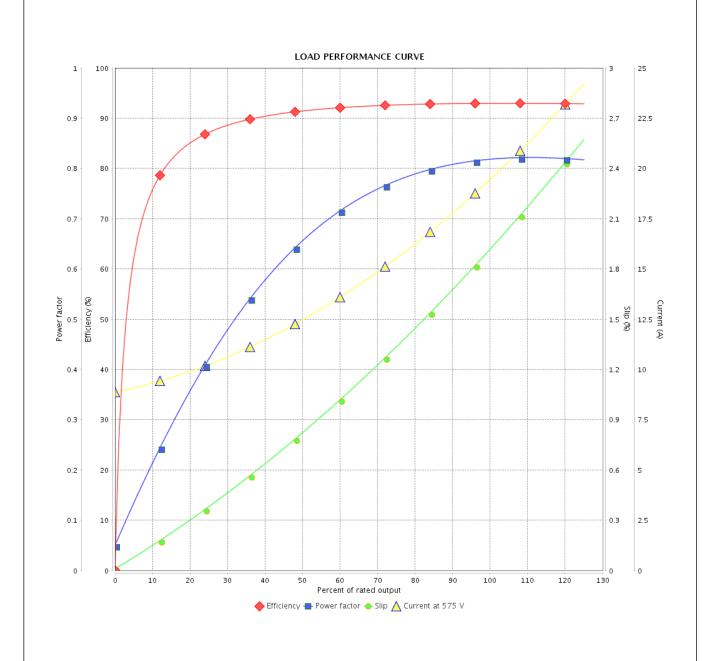
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 13311846

Catalog #: 02018ET3H256JP-S



Performance Rated current LRC		: 575 V 60 Hz 4P					
		: 19.8 A Moment of Duty cycle		f inertia (J)	: 2.64 sq.ft.lb		
				;	: Cont.(S1)		
Rated torque	:	: 59.5 ft.lb Insulation Service far		class	: F		
Locked rotor torqu	ie :			ctor	: 1.15		
Breakdown torque)			Temperature rise			
Rated speed	:				: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



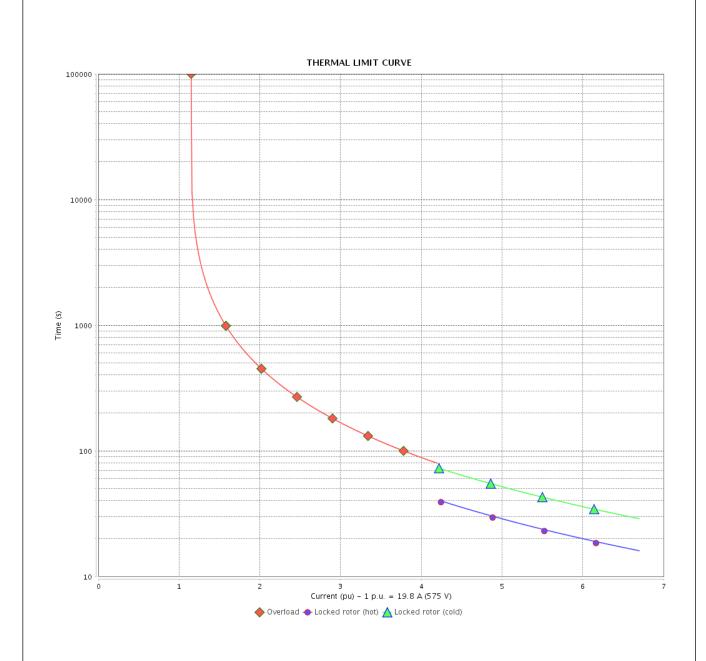
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Product line	:.	JP Pump NEMA Premium	1	Product code :	13311846	
	E·	fficiency Three-Phase	,	Catalog # :	02018ET3H25	56 ID_S
				Catalog # .	02010E13H2)0JF-3
Performance		75 V 60 Hz 4P				
Rated current LRC	: 19 : 6.	9.8 A 7	Moment of Duty cycle	f inertia (J)	: 2.64 sq.ft.lb : Cont.(S1)	
Rated torque	: 59	9.5 ft.lb	Insulation	class	: F	
Locked rotor torq		70 %	Service fa		: 1.15	
Breakdown torque Rated speed		00 % 765 rpm	Temperatu Design	ire rise	: 80 K : 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



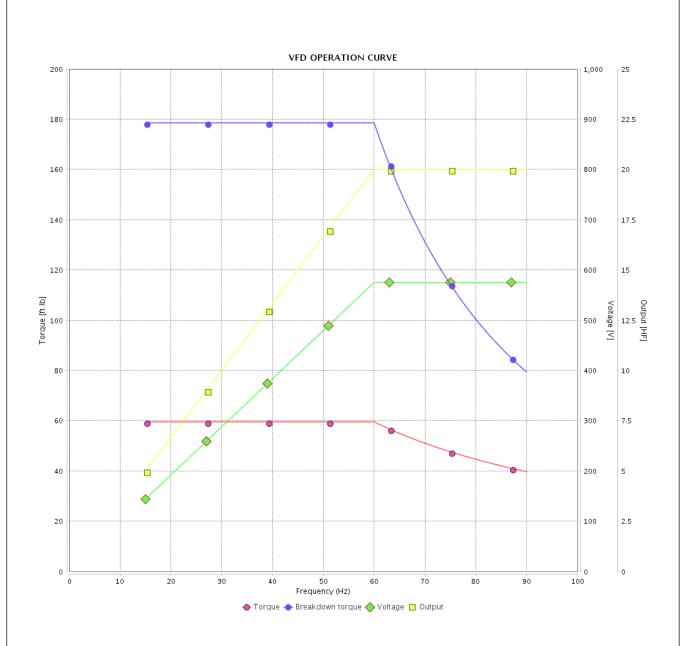
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

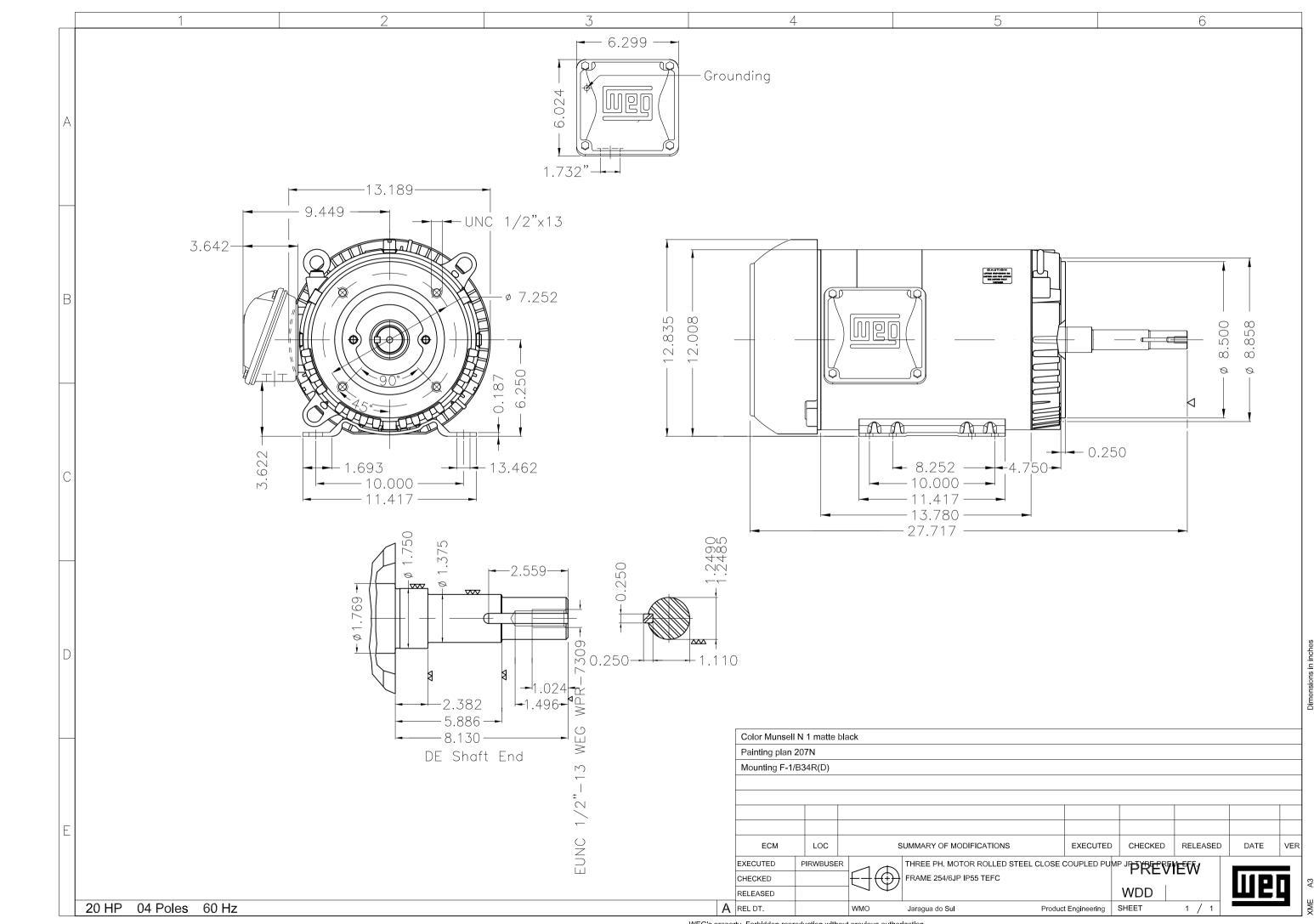
Product code: 13311846

Catalog #: 02018ET3H256JP-S



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(**UL)**US LISTED 3PT9 FOR SAFE AREA

& Energy Verified

> MODEL 02018ET3H256JP-S S/N 26FEV2021

N01.TE0IC0X0N

13311846

Class I, DIv.2, Gr. A,B,C,D - T3 CT 2:1/VT 1000:1 Div 2 Inverter Duty (SF1.00)

For 60Hz: Class I, Zone 2,

Hz 60

1000 m.a.s.l 254/6JP

CONT

P55 CODE SH

F AT 80K

0 SCI INC. WB

TEFC

19.8 1.15 575 22.8

NOM. EFF 93.0%

NEMA SPM 3FA 쑮 쌆

For safe area-inverter duty motor For use on VPWM 1000:1 VT, 4:1 CT ODE 6208-Z-C3

9

8309-Z-C3

牌

MOBIL POLYREX EM

2000Dh

T1-BLU

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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. ind national electrical codes to prevent serious electrical

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

r3-ORG TR-GRY 15-BLK T4-YEL