DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JM Pump NEMA Premium Product code: 12682497 Efficiency Three-Phase Catalog #: 00118OT3H143JM-S Frame : 143/5JM Locked rotor time : 39s (cold) 22s (hot) Output : 1 HP (0.75 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 : 1.21 A L. R. Amperes : 9.66 A Mounting : F-1 : 8.0x(Code L) : Both (CW and CCW) LRC Rotation¹ No load current : 0.766 A Noise level² : 52.0 dB(A) Rated speed : 1760 rpm Starting method : Direct On Line Slip : 2.22 % Approx. weight³ : 36.8 lb Rated torque : 2.98 ft.lb Locked rotor torque : 290 % Breakdown torque : 360 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B 50% 75% 100% Output Foundation loads 81.5 84.0 85.5 : 75 lb Efficiency (%) Max. traction Power Factor 0.65 : 112 lb 0.51 0.73 Max. compression Drive end Non drive end Bearing type 6206 ZZ 6203 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



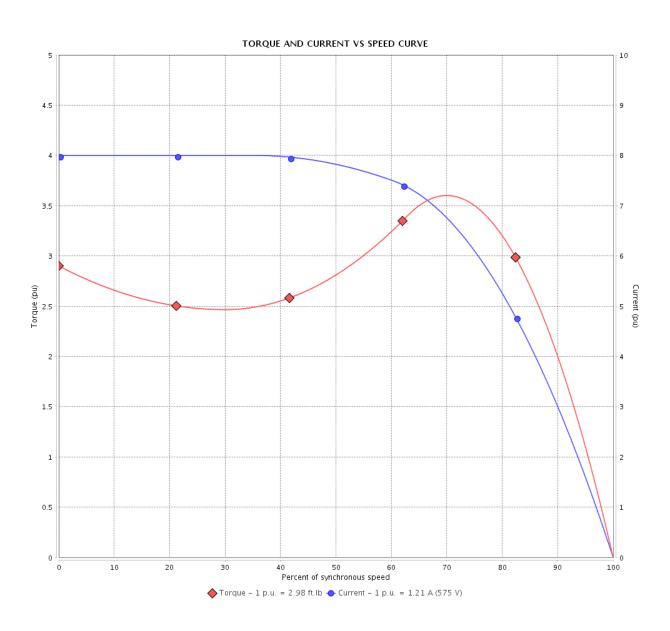
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682497

Catalog #: 00118OT3H143JM-S



Performance : 575 V 60 Hz 4P Rated current : 1.21 A Moment of inertia (J) : 0.1101 sq.ft.lb **LRC** : 8.0 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 2.98 ft.lb Service factor Locked rotor torque : 290 % : 1.15 : 80 K Breakdown torque : 360 % Temperature rise Rated speed : 1760 rpm Design : B

Locked rotor time : 39s (cold) 22s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



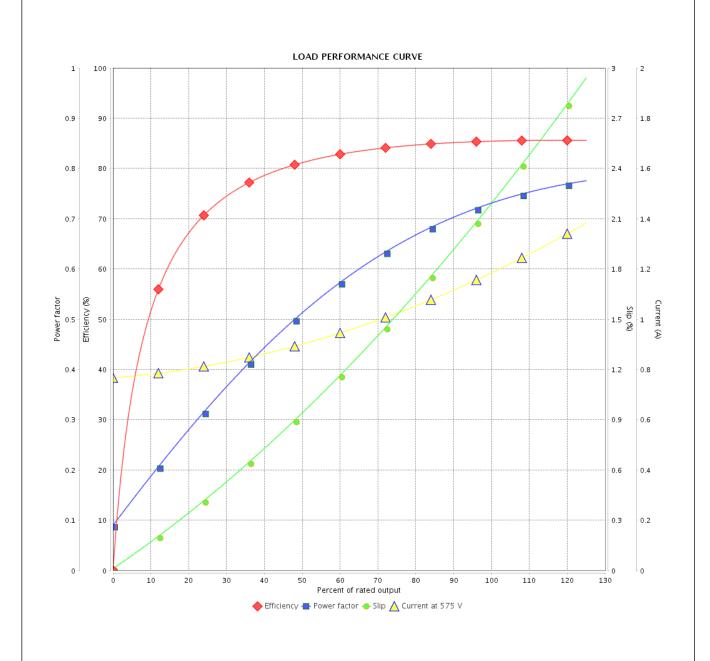
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682497

Catalog #: 00118OT3H143JM-S



Performance		: 575 V 60 Hz 4P					
Rated current		: 1.21 A	.21 A Moment of inertia (J)		: 0.1101 sq.ft.lb		
LRC		: 8.0	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		: 2.98 ft.lb	Insulation	Insulation class		: F ` ´	
Locked rotor torque		: 290 %	Service fa	Service factor		: 1.15	
Breakdown torque		: 360 %	Temperati	Temperature rise		: 80 K	
Rated speed		: 1760 rpm	Design		: B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



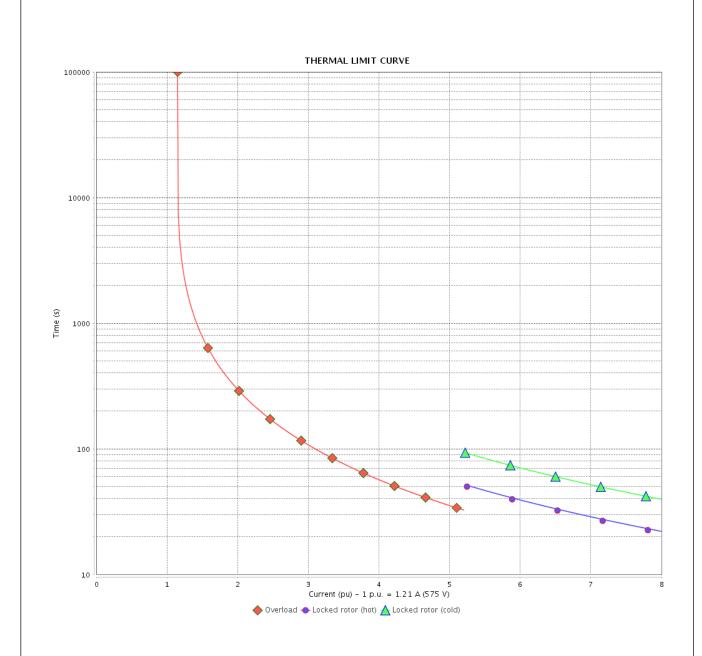
Customer	:				
Product line	: JM Pump NEMA Premium	Product code :	12682497		
	Efficiency Three-Phase	Catalog # :	00118OT3H ²	143 IM-S	
		<u> </u>			
Performance	: 575 V 60 Hz 4P	1			
Rated current LRC	: 1.21 A : 8.0	Moment of inertia (J) Duty cycle	: 0.1101 sq.ft.l : Cont.(S1)	b	
Rated torque	: 2.98 ft.lb	Insulation class	: F		
Locked rotor torque	: 290 %	Service factor	: 1.15		
Breakdown torque Rated speed	: 360 % : 1760 rpm	Temperature rise Design	: 80 K : B		
Heating constant	<u> </u>				
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



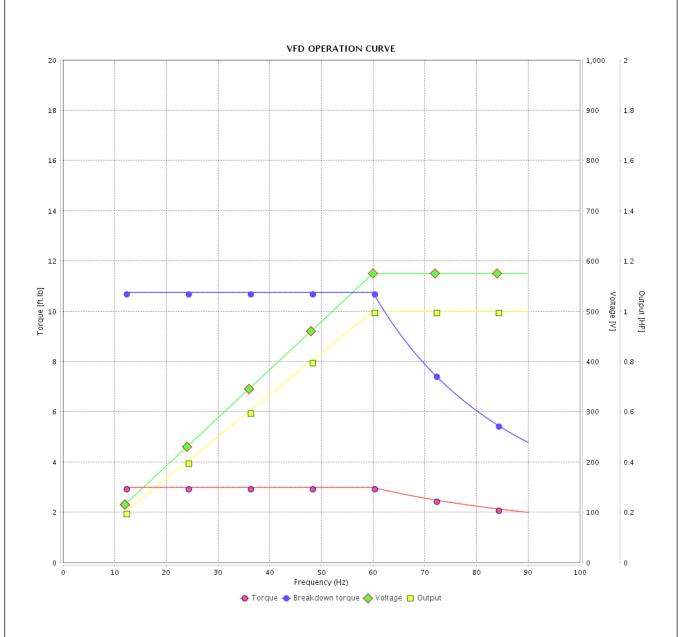
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682497

Catalog #: 00118OT3H143JM-S

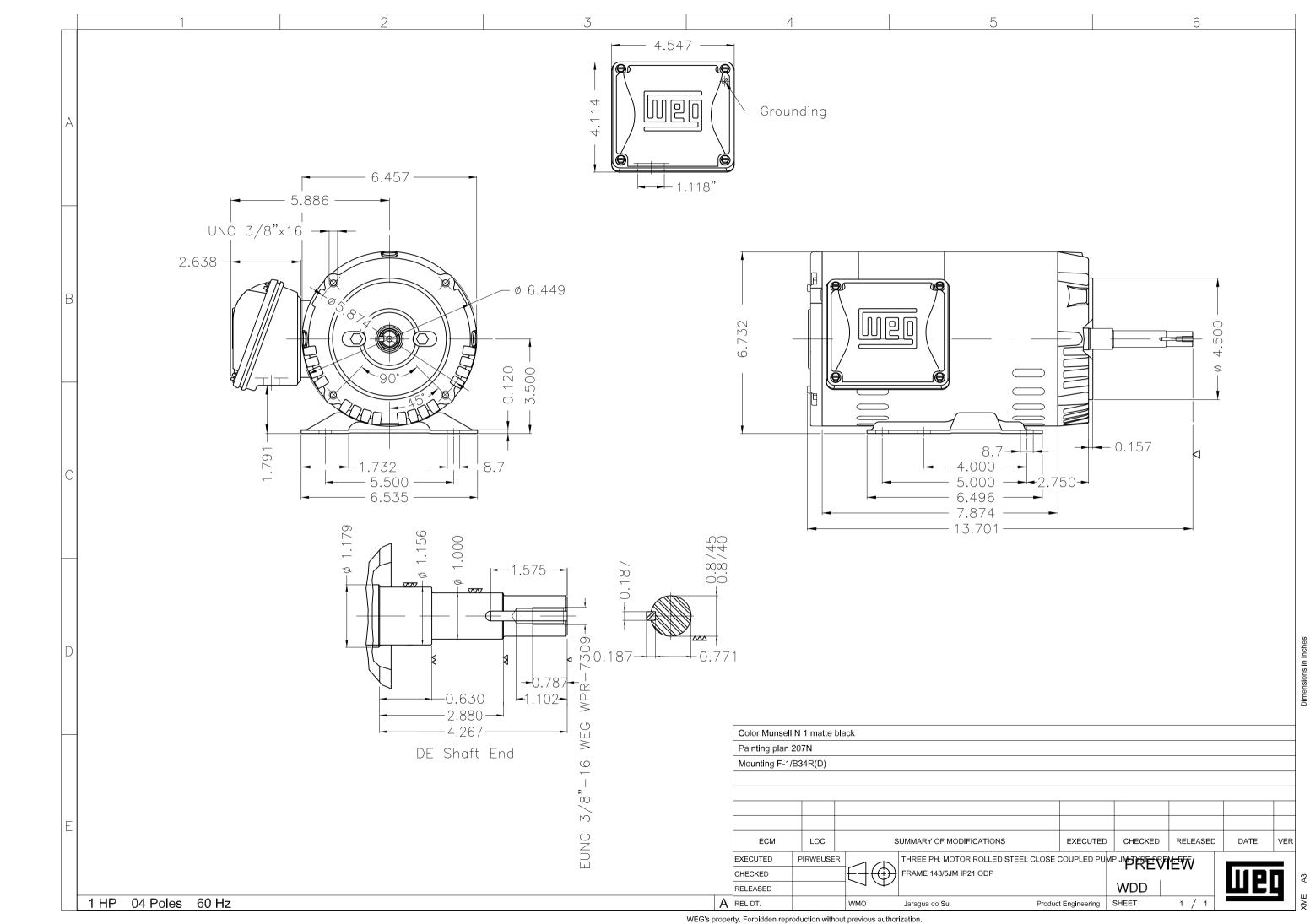


Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque	: 1.21 A : 8.0 : 2.98 ft.lb	Moment of inertia (J) Duty cycle Insulation class	: 0.1101 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Locked rotor torque Breakdown torque Rated speed	: 290 % : 360 % : 1760 rpm	Service factor Temperature rise Design		
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Date







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3PT9



(**VL)**US LISTED

Hz 60 1MAR2022

MODEL 001180T3H143JM-S

N01.TODICOXON

12682497

MADE IN MÉXICO

143/5.IM

CONT

1000 m.a.s.l

CODE DES

1.15 575 1.2 1.39

> 3FA 쑮

> > F AT 80K

NSC NCL WB

2°04

ODP

RPM 쌆

NEMA

VOM EFF

85.5%

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

ODE 6203-22

8206-ZZ

牌

T2-WHT r3-ORG T1-BLU

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION





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

