DATA SHEET

Three Phase Induction Motor - Squirrel Cage



						· · · · · · · · · · · · · · · · · · ·
Customer		:				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	13373885 00736ET3H213JM-S
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inertia	ie	: 2 : 60 F : 575 : 6.94 : 52.7 : 7.6x : 2.65 : 353 : 1.94 : 11.2 : 260 : 300 : F : 1.15	HP (5.5 kV HZ V A (Code H) G A O rpm HW ft.lb W		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 70.0 dB(A) : Direct On Line : 144 lb
Output Efficiency (%) Power Factor	25% 86.4 0.49	50% 87.5 0.76	75% 88.5 0.85	100% 89.5 0.89	Foundation loads Max. traction Max. compression	: 116 lb : 261 lb
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : :	62	re end 209 ZZ "Ring - - M	Non drive end 6206 ZZ Without Bearing - - - obil 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



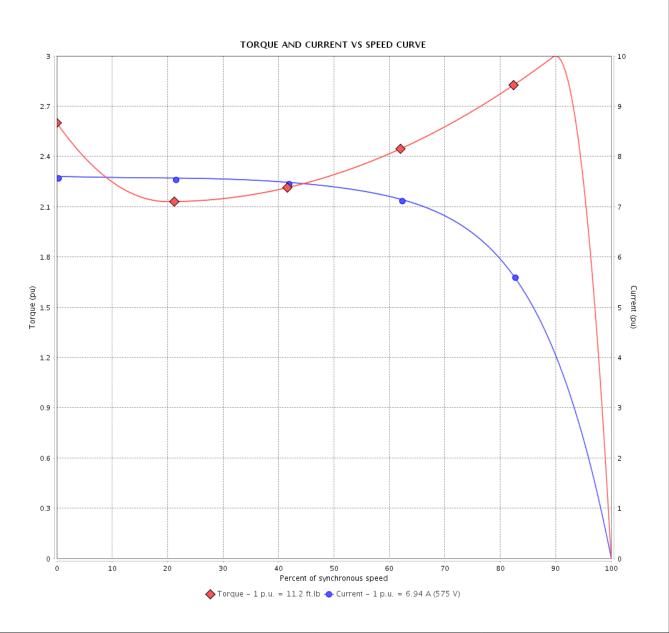
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13373885

Catalog #: 00736ET3H213JM-S



Performance : 575 V 60 Hz 2P Rated current : 6.94 A Moment of inertia (J) : 0.5496 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 11.2 ft.lb Service factor Locked rotor torque : 260 % : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 3530 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



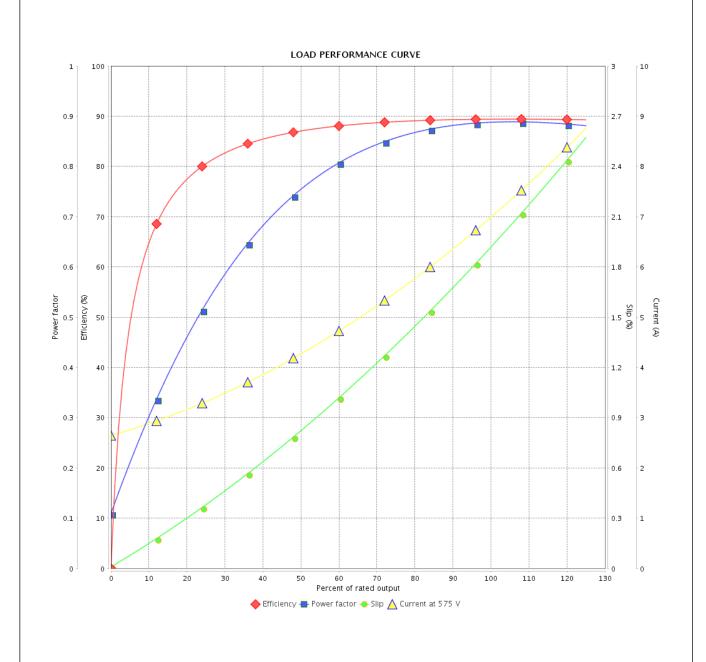
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13373885

Catalog #: 00736ET3H213JM-S



Performance	: 5	575 V 60 Hz 2P				
Rated current	: 6	6.94 A Moment of ine		inertia (J) : 0.5496 sq.ft.		lb
LRC :		7.6	Duty cycle		: Cont.(S1)	
Rated torque		11.2 ft.lb	Insulation class		:F	
Locked rotor torque		260 %	Service factor		: 1.15	
Breakdown torque	e : 3	300 %	Temperature rise		: 80 K	
Rated speed	: 3	: 3530 rpm		Design		
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
-		_			_	
Checked by					Page	Revision
Date	12/04/2022				3/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



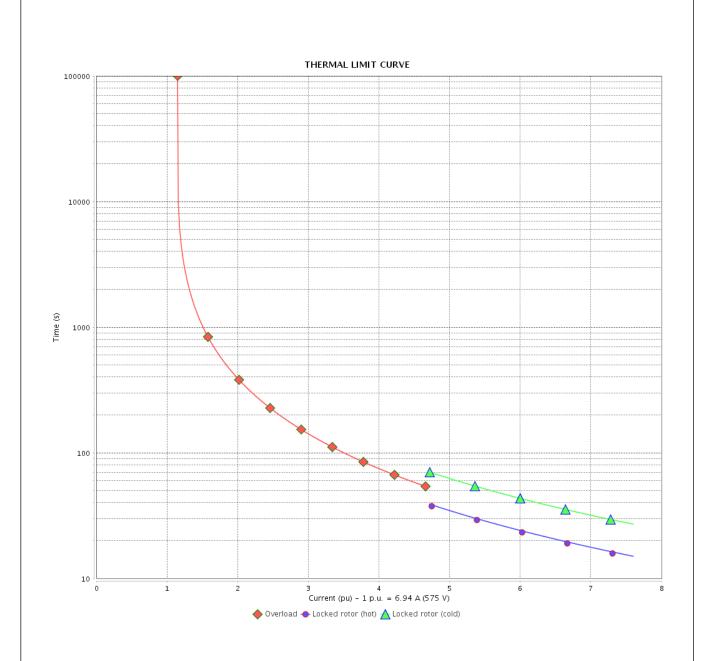
Customer	:				·	
Product line	:.	JM Pump NEMA Premium	I	Product code :	13373885	
	E ⁻	fficiency Three-Phase	(Catalog # :	00736ET3H2	13.IM-S
				Outding # .	00700210112	100101 0
Performance	: 57	75 V 60 Hz 2P				
Rated current	: 6.	.94 A	Moment of	f inertia (J)	: 0.5496 sq.ft.l	b
LRC Rated torque	: 7. · 1	.6 1.2 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torq	ue : 26	60 %	Service fa	ctor	: 1.15	
Breakdown torqu Rated speed		00 % 530 rpm	Temperatu Design	ıre rise	: 80 K : B	
		ooo ipiii	Design		. <i>D</i>	
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by			l			
Checked by					Page	Revision
r .	40/04/0000	1			4.40	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



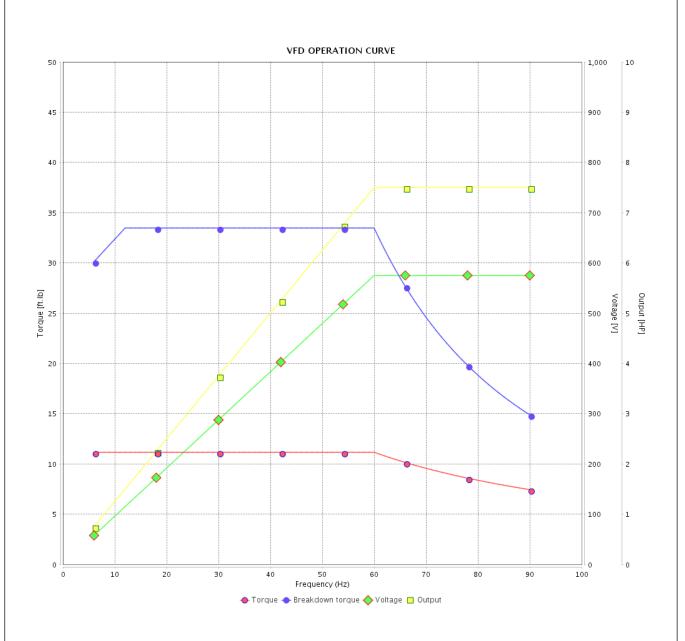
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13373885

Catalog #: 00736ET3H213JM-S

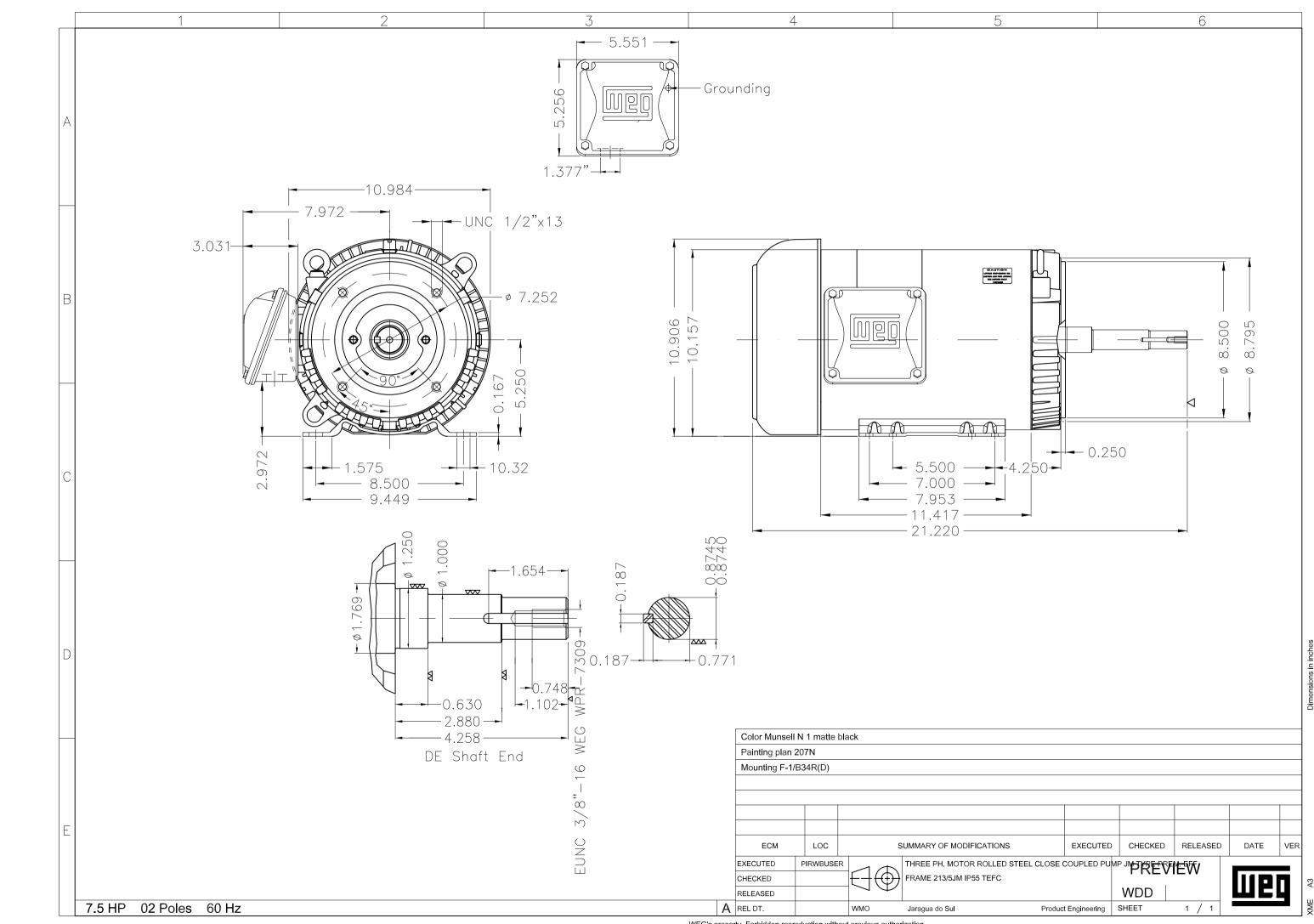


Performance	: 575 V 60 Hz 2P				
Rated current	: 6.94 A	Moment of inertia (J)		: 0.5496 sq.ft.lb	
LRC	: 7.6	Duty cycle		: Cont.(S1)	
Rated torque	: 11.2 ft.lb	Insulation class		: F	
Locked rotor torque	: 260 %	Service factor		: 1.15	
Breakdown torque	: 300 %	Temperature rise		: 80 K	
Rated speed	: 3530 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

6/6

12/04/2022

Date





Ž Z Z

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

Energy Verified

JM007502NPW01 N01.TE0IC0X0N

8 S/N 걒

213/5JM 5FEB2022

CONT

3FA

3530 1.15 575 5.94 7.98 SPM

For 60Hz: Class I, Zone 2, IIC Class I, DIv.2, Gr. A,B,C,D - T3 CT 2:1/VT 1000:1 Div 2 Inverter Duty (SF1.00)

CC029A

13373885

MOBIL POLYREX EM

For safe area-inverter duty motor For use on VPWM 1000:1 VT, 10:1 CT

ODE 6206-2Z

8209-ZZ

牌

NOM. EFF 89.5%

NEMA

냃 쌆

P55 CODE SHO

1000 m.a.s.l

F AT 80K

NSC INC. WB

TEFC 0

T2-WHT r3-ORG

T1-BLU





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 avant l'entretien de la machine

F6-GRY