DATA SHEET

Customer

Frame

Three Phase Induction Motor - Squirrel Cage

: 254/6JM



Product line : JM Pump NEMA Premium Product code: 12787962

Efficiency Three-Phase

Catalog #: 02536OT3E256JM-S

: IC01 - ODP

Insulation class Mounting : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)

Cooling method

: -20°C to +40°C Ambient temperature Starting method : Direct On Line

: 1000 m.a.s.l. Approx. weight³ : 194 lb Altitude

Design : B Moment of inertia (J) : 0.9155 sq.ft.lb

Output [HP]		25	25	25	
Poles		2	2	2	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190-220/380	415	
Rated current [A]		58.2/29.1	70.6-61.0/35.3	33.0	
L. R. Amperes [A]		367/183	374-323/187	208	
LRC [A]		6.3x(Code G)	5.3x(Code E)	6.3x(Code G)	
No load current [A	.]	22.8/11.4	22.3-19.3/11.2	14.1	
Rated speed [RPI	Л]	3530	2905	2920	
Slip [%]		1.94	3.17	2.67	
Rated torque [ft.lb]		37.2	45.2	45.0	
Locked rotor torque [%]		180	150	180	
Breakdown torque [%]		290	220	260	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		16s (cold) 9s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²		70.0 dB(A)	68.0 dB(A)	68.0 dB(A)	
	25%				
Efficiency (%)	50%	91.0	91.1	90.6	
Efficiency (%)	75%	91.7	90.3	90.6	
	100%	91.7	88.5	89.6	
	25%				
Power Factor	50%	0.73	0.80	0.71	
Fower Factor	75%	0.83	0.87	0.82	
	100%	0.87	0.90	0.87	

Drive end Non drive end Foundation loads

Bearing type 6309 Z C3 6208 Z C3 Max. traction : 464 lb Sealing Without Without Max. compression : 657 lb

Bearing Seal Bearing Seal

Lubrication interval 20000 h 20000 h Lubricant amount 8 g 13 g

Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 64.3A SF 1.00 SFA 64.3A

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



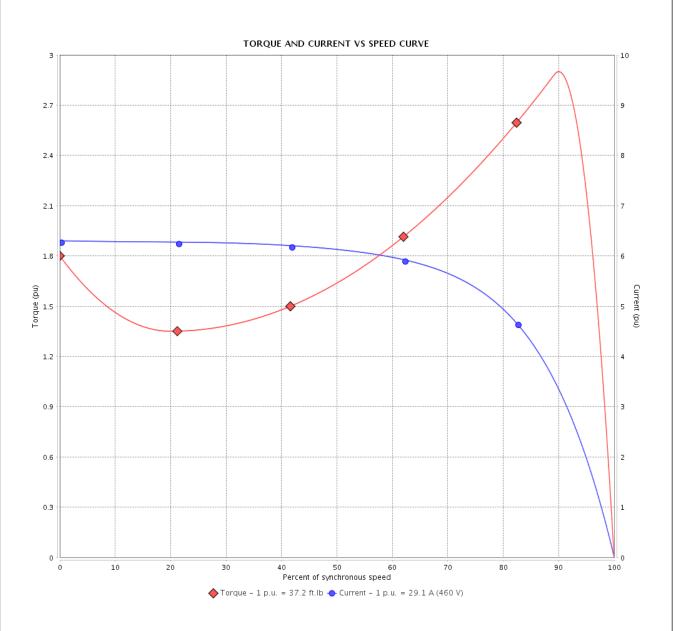
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12787962

Catalog #: 02536OT3E256JM-S



Performance : 230/460 V 60 Hz 2P Rated current : 58.2/29.1 A Moment of inertia (J) : 0.9155 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : F : 37.2 ft.lb Insulation class Rated torque Service factor : 1.15 Locked rotor torque : 180 % Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3530 rpm Design : B

Locked rotor time : 16s (cold) 9s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

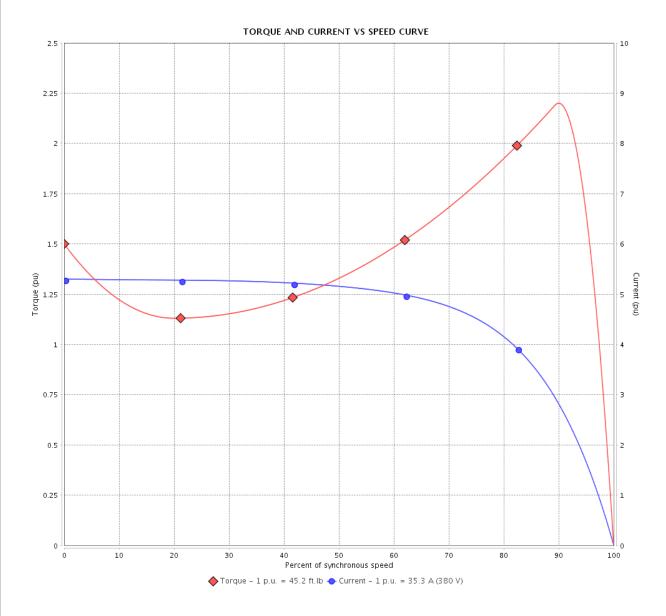


Customer

Product line : JM Pump NEMA Premium Product code: 12787962

Efficiency Three-Phase

Catalog #: 02536OT3E256JM-S



Performance : 190-220/380 V 50 Hz 2P Rated current : 70.6-61.0/35.3 A Moment of inertia (J) : 0.9155 sq.ft.lb **LRC** : 5.3 Duty cycle : Cont.(S1) : 45.2 ft.lb Insulation class : F Rated torque : 150 % Locked rotor torque Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K : B Rated speed : 2905 rpm Design Locked rotor time : 0s (cold) 0s (hot)

LOCKEU TOLOT LITTI	. 0.	s (cold) os (flot)			
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

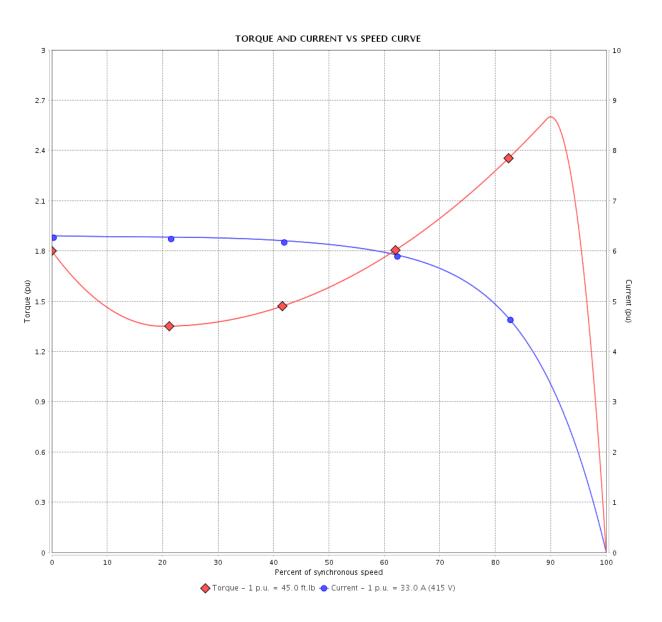


Customer :

Product line : JM Pump NEMA Premium Product code : 12787962

Efficiency Three-Phase

Catalog #: 02536OT3E256JM-S



Performance : 415 V 50 Hz 2P Rated current : 33.0 A Moment of inertia (J) : 0.9155 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 45.0 ft.lb : 1.15 Locked rotor torque : 180 % Service factor Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 2920 rpm Design : B

Locked rotor time : 0s (cold) 0s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



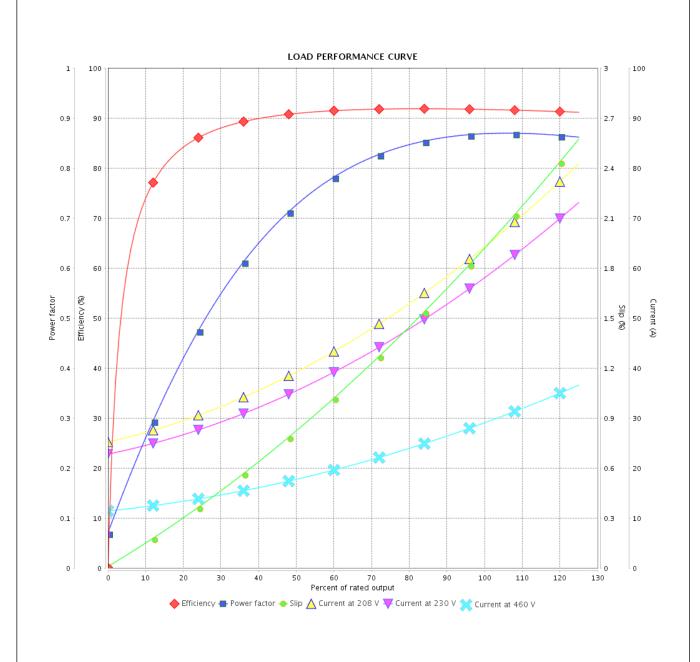
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12787962

Catalog #: 02536OT3E256JM-S



Performance	: 2	230/460 V 60 Hz 2P				
Rated current	: 5	58.2/29.1 A	Moment o	f inertia (J)	: 0.9155 sq.ft.	.lb
LRC	: 6	3.3	Duty cycle	:	: Cont.(S1)	
Rated torque	: 3	37.2 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 1	180 %	Service fa	ctor	: 1.15	
Breakdown torque : 290 %		290 %	Temperati	Temperature rise		
Rated speed	: 3	3530 rpm	Design		: B	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



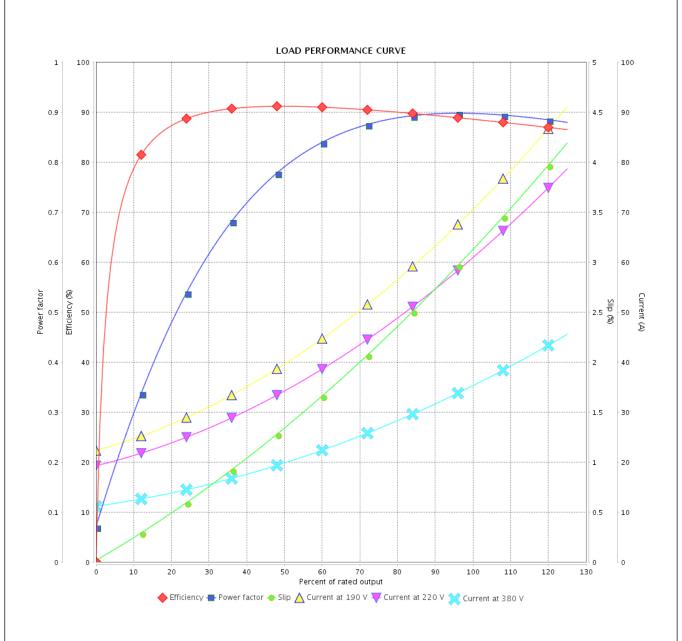
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12787962

Catalog #: 02536OT3E256JM-S



Performance	: 190-220/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 70.6-61.0/35.3 A : 5.3 : 45.2 ft.lb : 150 % : 220 % : 2905 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9155 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



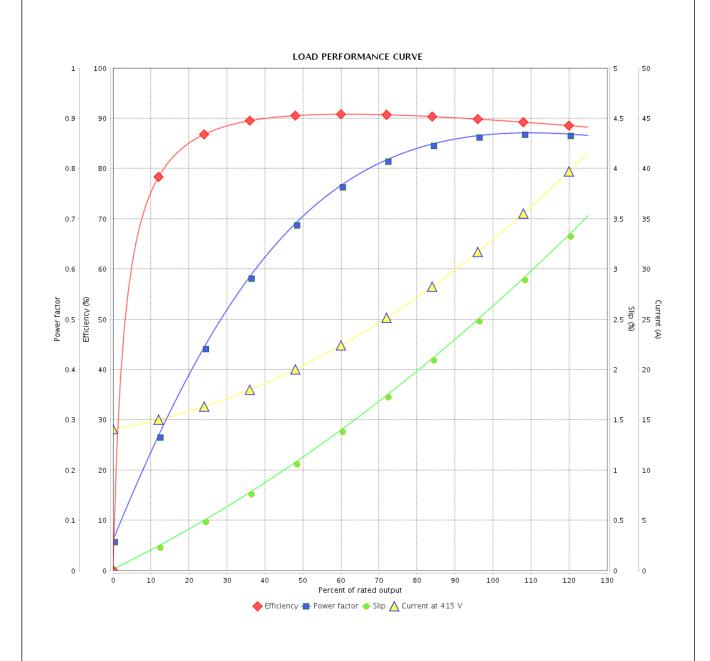
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 12787962

Catalog #: 02536OT3E256JM-S



Performance	: 4	15 V 50 Hz 2P				
Rated current	: 33	3.0 A	Moment of	of inertia (J)	: 0.9155 sq.ft	.lb
LRC	: 6.	3	Duty cycle	9	: Cont.(S1)	
Rated torque	: 45	5.0 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 18	30 %	Service fa	actor	: 1.15	
Breakdown torque	e : 26	60 %	% Temperature rise		: 80 K	
Rated speed	: 29	920 rpm	Design		: B	
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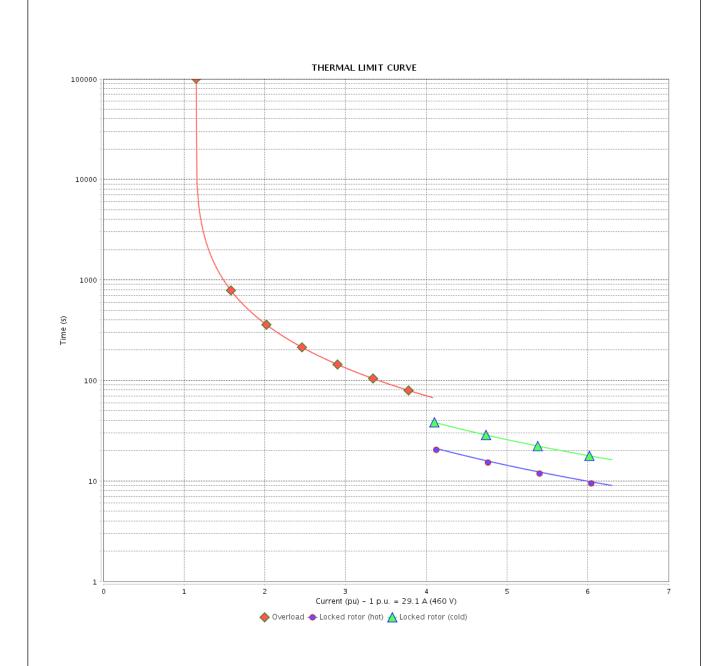


Customer		:				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12787962	
		Ellicities Tillee-i Hase		Catalog # :	02536OT3E2	256JM-S
Performance		: 230/460 V 60 Hz 2P				
Rated current		: 58.2/29.1 A	Moment o	of inertia (J)	: 0.9155 sq.ft.l	b
LRC Rated torque		: 6.3 : 37.2 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord		: 180 %	Service fa		: 1.15	
Breakdown torqu	ue	: 290 %	Temperat	ure rise	: 80 K	
Rated speed		: 3530 rpm	Design		: B	
Heating constant						
Cooling constant Rev.	t	Changes Summary		Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

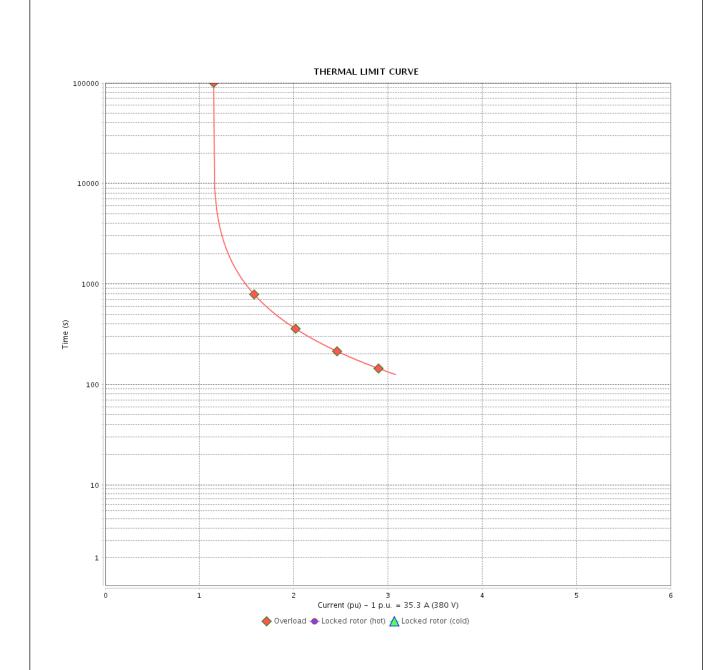


Customer		:				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12787962	
		Emoleticy Three-i mase		Catalog # :	02536OT3E2	256JM-S
Performance	:	190-220/380 V 50 Hz 2P				
Rated current		70.6-61.0/35.3 A	Moment c	of inertia (J)	: 0.9155 sq.ft.l	b
LRC		5.3 45.2 ft.lb	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor torc		45.2 ILID 150 %	Service fa		: F : 1.15	
Breakdown torqu	ie :	220 %	Temperat		: 80 K	
Rated speed	:	2905 rpm	Design		: B	
Heating constant						
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Three Phase Induction Motor - Squirrel Cage



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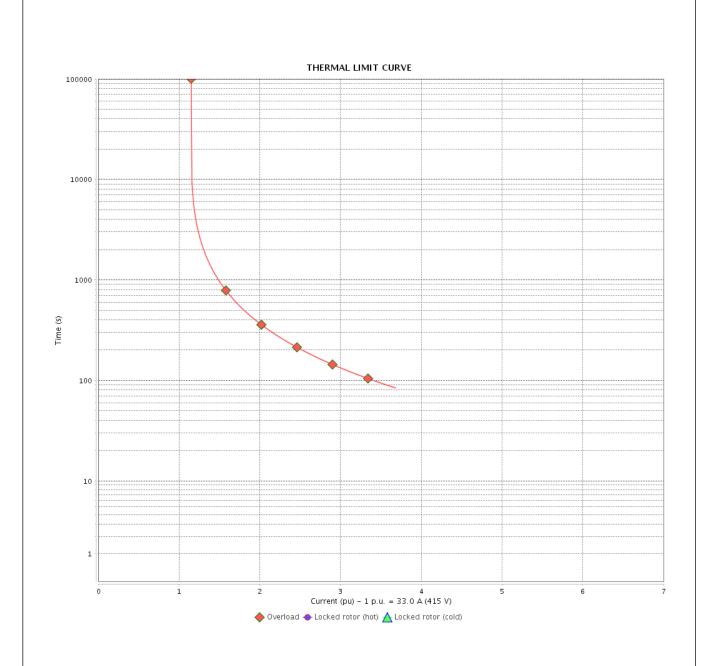


Customer	:			
Product line	uct line : JM Pump NEMA Premium Product co Efficiency Three-Phase Catalog #		12787962 02536OT3E2	:56JM-S
Performance	: 415 V 50 Hz 2P			
Rated current	: 33.0 A	Moment of inertia (J)	: 0.9155 sq.ft.ll	 h
LRC	: 6.3	Duty cycle	: Cont.(S1)	-
Rated torque Locked rotor torque	: 45.0 ft.lb : 180 %	Insulation class Service factor	: F : 1.15	
Breakdown torque	: 260 %	Temperature rise	: 80 K	
Rated speed	: 2920 rpm	Design	: B	
Heating constant				
Cooling constant	01 0			
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Three Phase Induction Motor - Squirrel Cage



Customer :



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

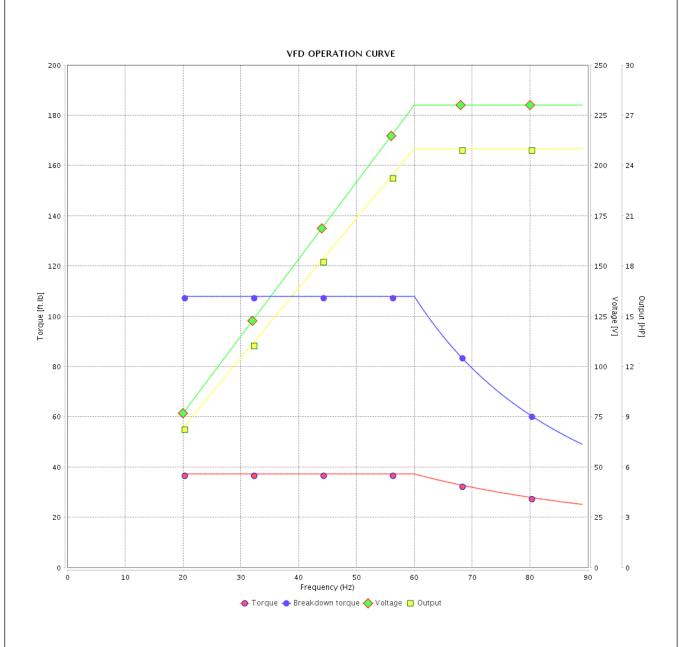
Product code: 12787962

Catalog #: 02536OT3E256JM-S

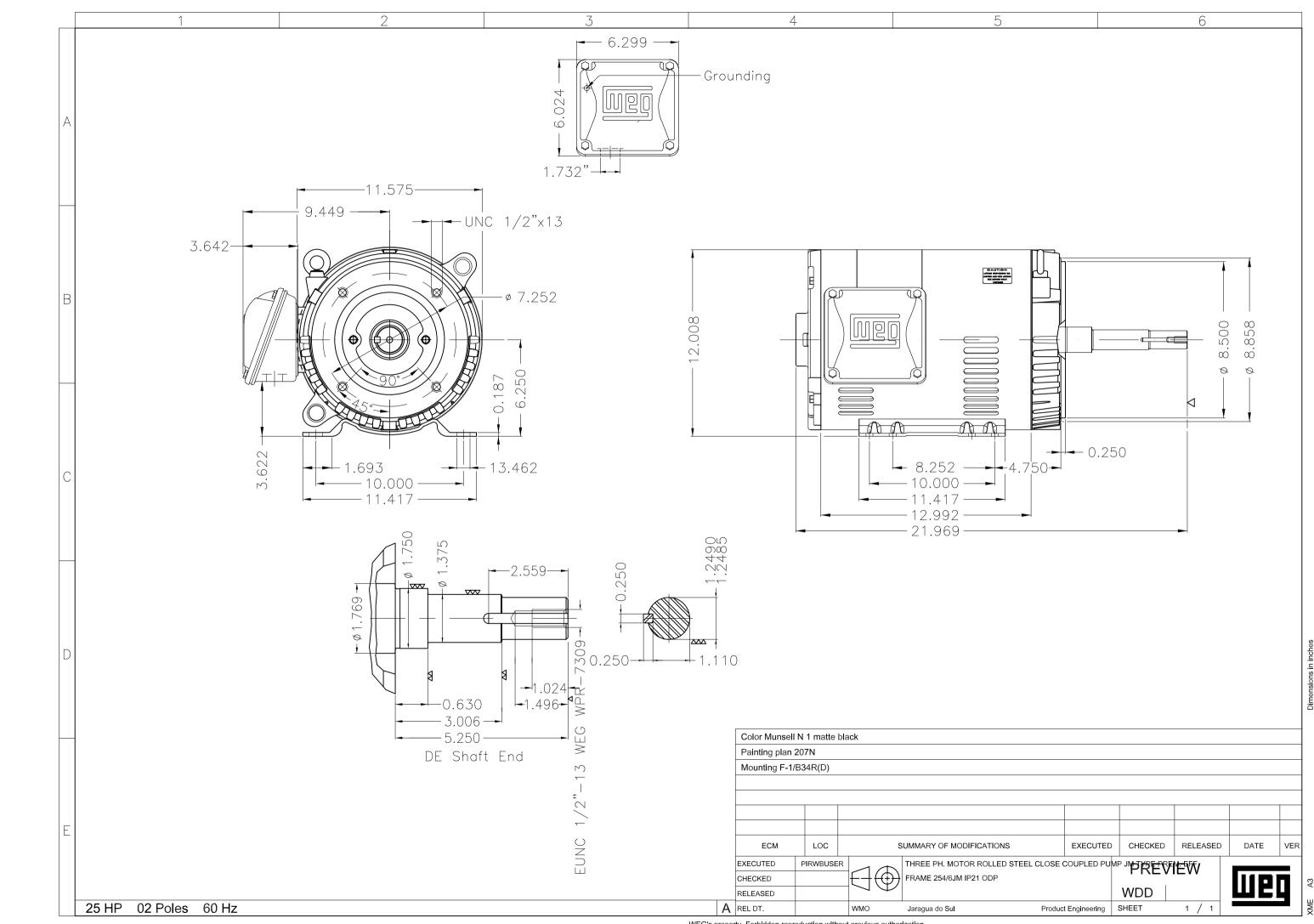
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Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 58.2/29.1 A : 6.3 : 37.2 ft.lb : 180 % : 290 % : 3530 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9155 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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Energy Verifi

MODEL 025360T3E256JM-S S/N 0JAN2022

CC029A

12787962

MADE IN MÉXICO

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9 걒 254/6JM

CONT

230/460 58.2/29 1.15

1000 m.a.s.l

56,9/33.5

3FA 냃 쌆

F AT 80K

2000

20°C 900

CODE DES SABLE @ 208V 64

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LTERNATE RATING:

SF1.00 NCL 문

25HP 70,6-62,3/35,3-33.0A 900

8309-Z-C3

牌

NOM EFF **2905RPM** ZPM 50 Hz 6208-Z-C3

91.7%

EFF 88.5%

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 3:1 CT 190-220/380-415V

EC 60034-1 2000bh

SF1.15

71-BLU MOBIL POLYREX EM T11 OT12

T2-WH

13-ORG F5-BLK L7-PNK

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MOT

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

44**1**1









shocks. Disconnect power source before servicing unit. AVERTISSEMENT: Le moteur doit être mis à la terre ind national electrical codes to prevent serious electrical