DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JM Pump NEMA Premium Product code :

Efficiency Three-Phase

Product code: 13171655

Catalog #: 00736OT3E184JM-SG

Frame : 182/4JM Cooling method : IC01 - ODP Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation : F-1

Rotation class : F-1

Rotation : F-1

Rotation : Both (CW and CCW)

Ambient temperature		: -20°C to +40°C	Starting method	: Direct On Line
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 76.8 lb
Design		: B	Moment of inertia (J)	: 0.1818 sq.ft.lb
Output [HP]		7.5	7.5	7.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		17.3/8.67	21.4/10.7	19.2/10.2
L. R. Amperes [A]		128/64.2	120/59.9	121/64.3
LRC [A]		7.4x(Code H)	5.6x(Code F)	6.3x(Code G)
No load current [A]	6.43/3.22	6.33/3.17	6.59/3.49
Rated speed [RPN	<i>/</i> 1]	3500	2865	2880
Slip [%]		2.78	4.50	4.00
Rated torque [ft.lb]		11.3	13.7	13.7
Locked rotor torqu		180	150	170
Breakdown torque	[%]	290	210	240
Service factor		1.15	1.00	1.00
Temperature rise		80 K	105 K	105 K
Locked rotor time		18s (cold) 10s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²		65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
	25%	88.3	91.3	90.6
Efficiency (%)	50%	88.5	88.9	88.8
Linciency (70)	75%	88.5	87.4	87.9
	100%	88.5	84.7	85.7
	25%	0.49	0.55	0.51
Power Factor	50%	0.76	0.82	0.79
I OWEL FACIOI	75%	0.85	0.89	0.87
	100%	0.90	0.92	0.91

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6207 ZZ 6205 ZZ Max. traction : 171 lb Sealing : Without Without Max. compression : 248 lb

Bearing Seal Bearing Seal

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 19.2A SF 1.00 SFA 19.2A

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



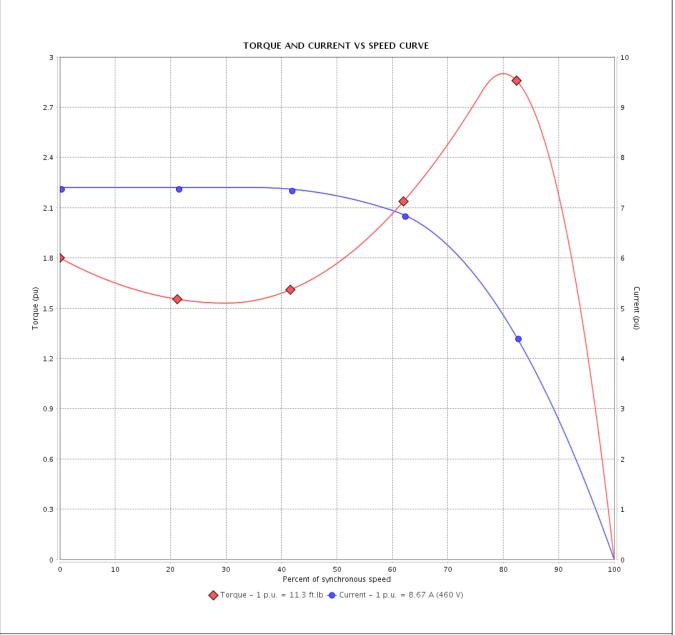
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13171655

Catalog #: 00736OT3E184JM-SG



Performance : 230/460 V 60 Hz 2P Rated current : 17.3/8.67 A Moment of inertia (J) : 0.1818 sq.ft.lb **LRC** : 7.4 Duty cycle : Cont.(S1) : F : 11.3 ft.lb Insulation class Rated torque Service factor : 1.15 Locked rotor torque : 180 % Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3500 rpm Design : B

Locked rotor time : 18s (cold) 10s (hot)

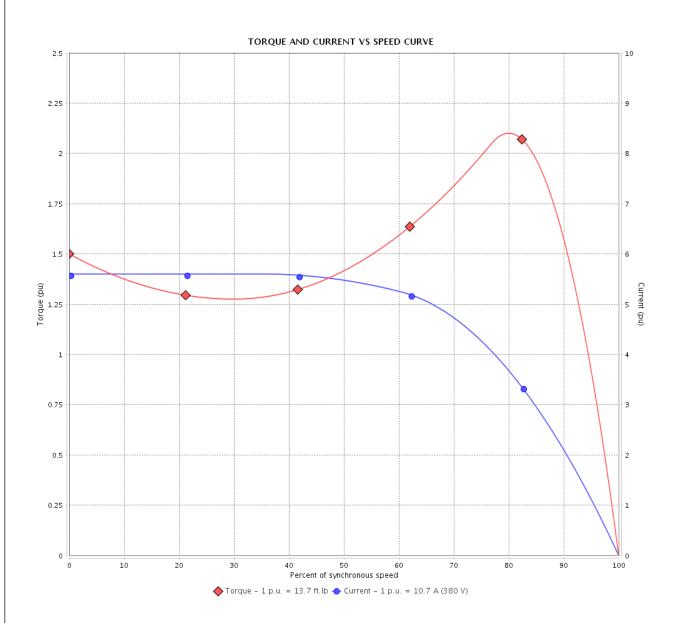
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



Customer Product line : JM Pump NEMA Premium Product code: 13171655 Efficiency Three-Phase Catalog #: 00736OT3E184JM-SG



Performance : 190/380 V 50 Hz 2P Rated current : 21.4/10.7 A Moment of inertia (J) : 0.1818 sq.ft.lb **LRC** : 5.6 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 13.7 ft.lb : 1.00 Locked rotor torque : 150 % Service factor Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 2865 rpm Design : B Locked rotor time : 0s (cold) 0s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



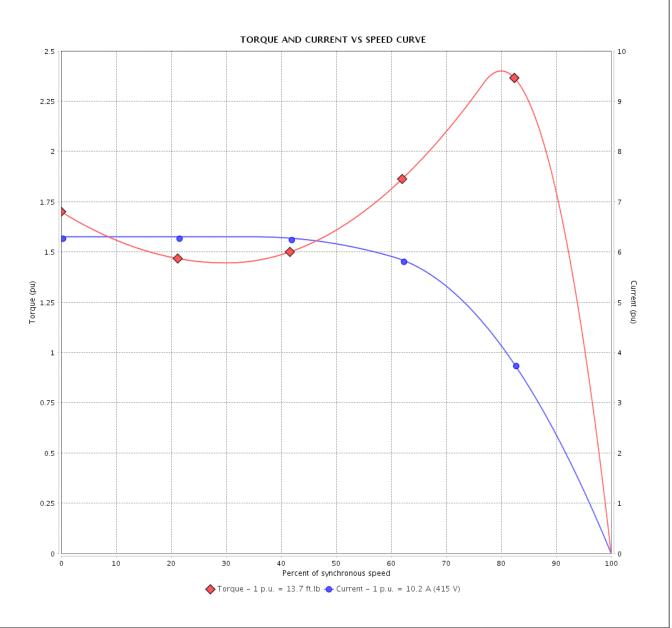
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13171655

Catalog #: 00736OT3E184JM-SG



Performance : 220/415 V 50 Hz 2P Rated current : 19.2/10.2 A Moment of inertia (J) : 0.1818 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : F : 13.7 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 170 % : 1.00 : 105 K Breakdown torque : 240 % Temperature rise Rated speed : B : 2880 rpm Design

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



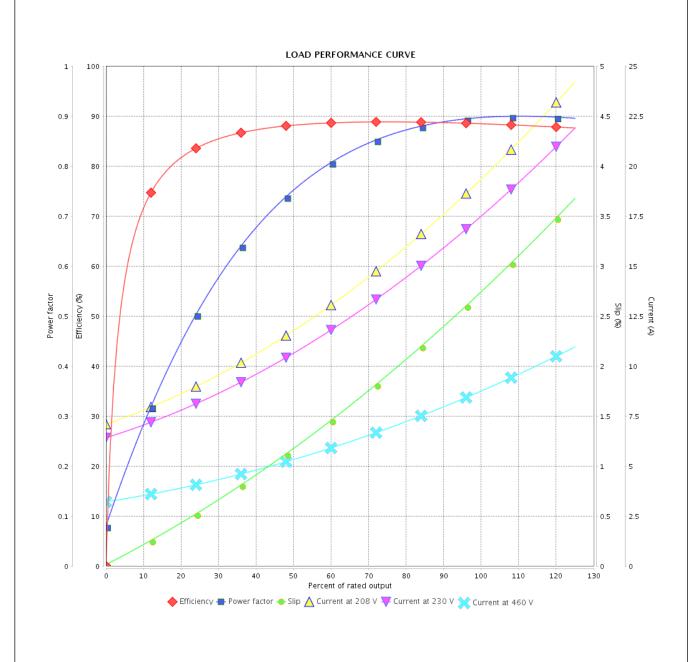
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13171655

Catalog #: 00736OT3E184JM-SG



Performance	::	230/460 V 60 Hz 2P				
Rated current	:	17.3/8.67 A	Moment o	f inertia (J)	: 0.1818 sq.ft.lb	
LRC	: '	7.4	Duty cycle	:	: Cont.(S1)	
Rated torque	:	11.3 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	180 %	Service fa	ctor	: 1.15	
Breakdown torque	::	290 %	Temperature rise		: 80 K	
Rated speed	::	3500 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

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Date

12/04/2022

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

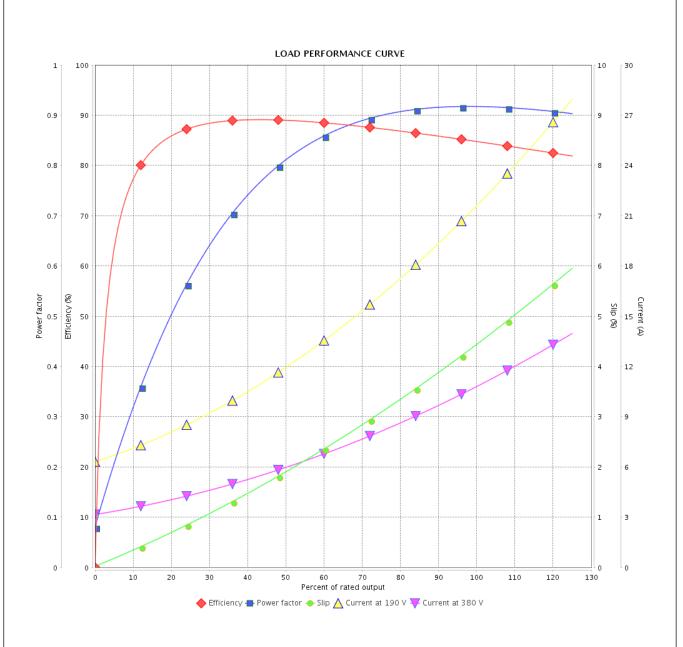
Product code: 13171655

Catalog #: 00736OT3E184JM-SG

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Performance	: 190/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 21.4/10.7 A : 5.6 : 13.7 ft.lb : 150 % : 210 % : 2865 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ector	: 0.1818 sq.ft.ll : Cont.(S1) : F : 1.00 : 105 K : B	0
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Three Phase Induction Motor - Squirrel Cage



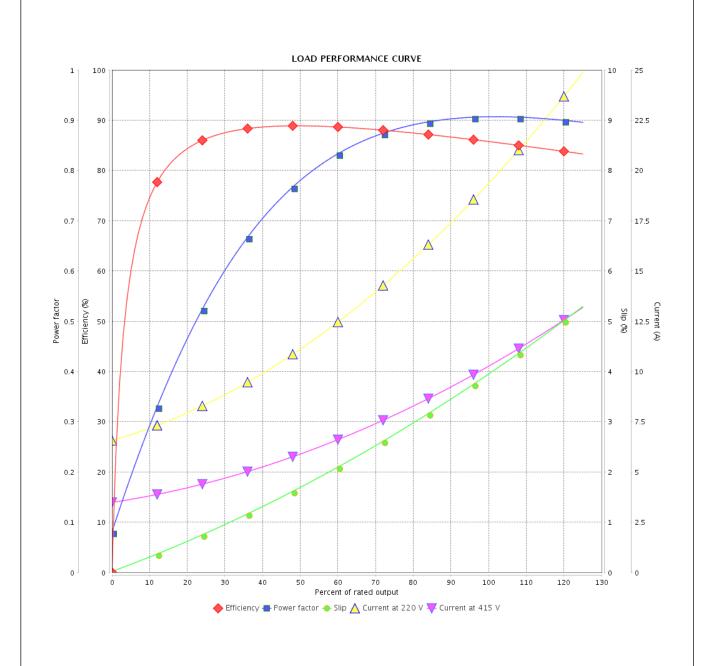
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13171655

00736OT3E184JM-SG Catalog #:



Performance	: 2	220/415 V 50 Hz 2P				
Rated current : 19.2/10.2 A		9.2/10.2 A	Moment o	f inertia (J)	: 0.1818 sq.ft	t.lb
LRC	: 6	5.3	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	3.7 ft.lb	Insulation	class	: F	
Locked rotor torque :		70 %	Service fa	ctor	: 1.00	
Breakdown torque		240 %	Temperati	Temperature rise		
Rated speed	: 2	2880 rpm	Design		: B	
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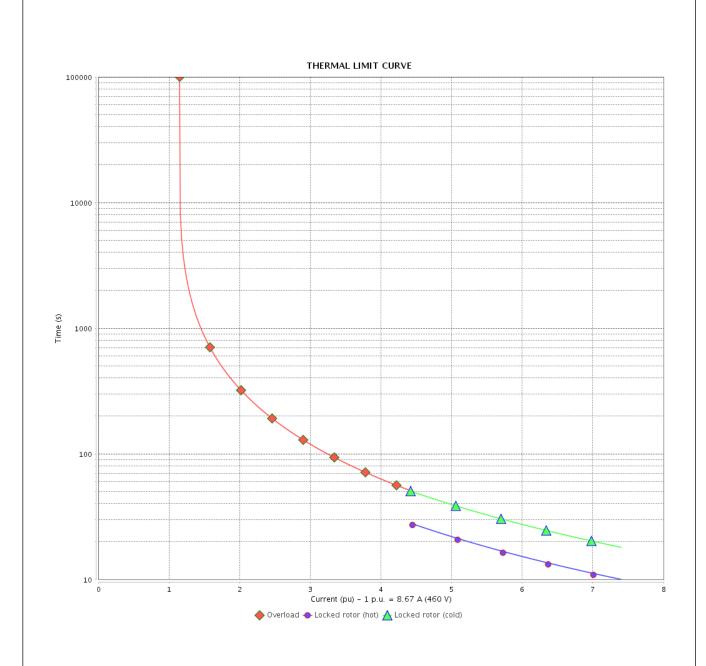


Customer		:				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13171655	
		Lindency Tillee-Friase		Catalog # :	00736OT3E1	184JM-SG
Performance	<u> </u>	: 230/460 V 60 Hz 2P				
Rated current		: 17.3/8.67 A	Moment of	of inertia (J)	: 0.1818 sq.ft.l	b
LRC		: 7.4	Duty cycle	Э	: Cont.(S1)	
Rated torque Locked rotor torq		: 11.3 ft.lb : 180 %	Insulation Service fa		: F : 1.15	
Breakdown torqu	ie :	: 290 %	Temperat		: 80 K	
Rated speed		: 3500 rpm	Design		: B	
Heating constant						
Cooling constant	t					
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Three Phase Induction Motor - Squirrel Cage



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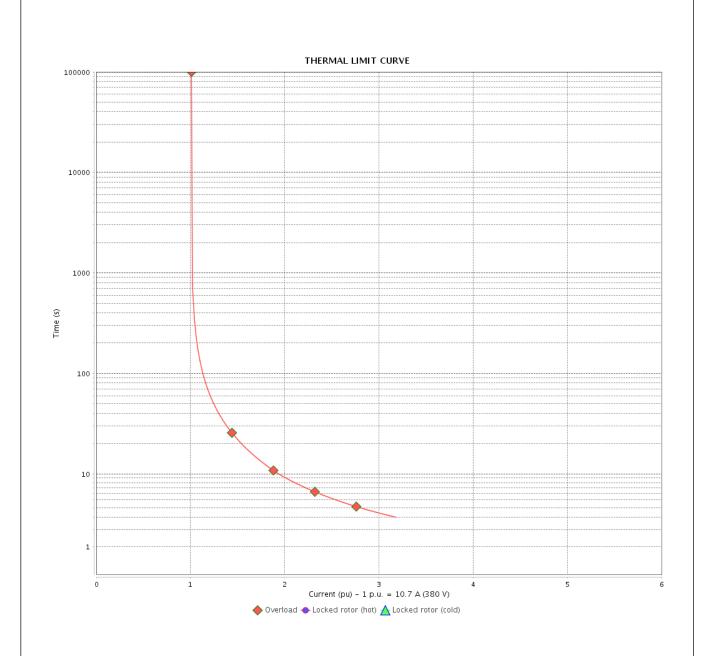


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Product line		· IM Dump NEMA Promium		Draduat anda :	12171655	
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13171655	
				Catalog # :	00736OT3E	184JM-SG
Performance	:	190/380 V 50 Hz 2P				
Rated current		21.4/10.7 A	Moment o	f inertia (J)	: 0.1818 sq.ft.l	b
LRC	:	5.6	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor tord		13.7 ft.lb 150 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie :	210 %	Temperati		: 105 K	
Rated speed	:	2865 rpm	Design		: B	
Heating constant	t					
Cooling constant	t	-				
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Three Phase Induction Motor - Squirrel Cage



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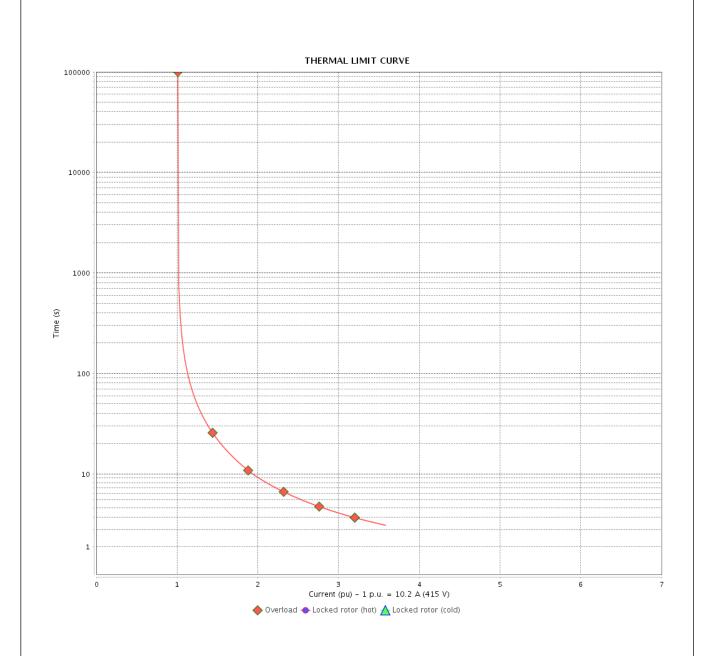


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		JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13171655		
			Catalog # :		00736OT3E184JM-SG		
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		: 220/415 V 50 Hz 2P : 19.2/10.2 A Moment of		f inertia (J)	: 0.1818 sq.ft.l	h	
LRC	: 6	: 6.3 Duty cyc		;	: Cont.(S1)	: Cont.(S1)	
		: 13.7 ft.lb Insulation : 170 % Service f			: F : 1 00	: F : 1.00	
Breakdown torque		240 % Temperatu			: 105 K		
Rated speed	: 2	2880 rpm	Design		: B		
Heating constan							
Cooling constan	t 	Changes Summani		Performed	Checked	Date	
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Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



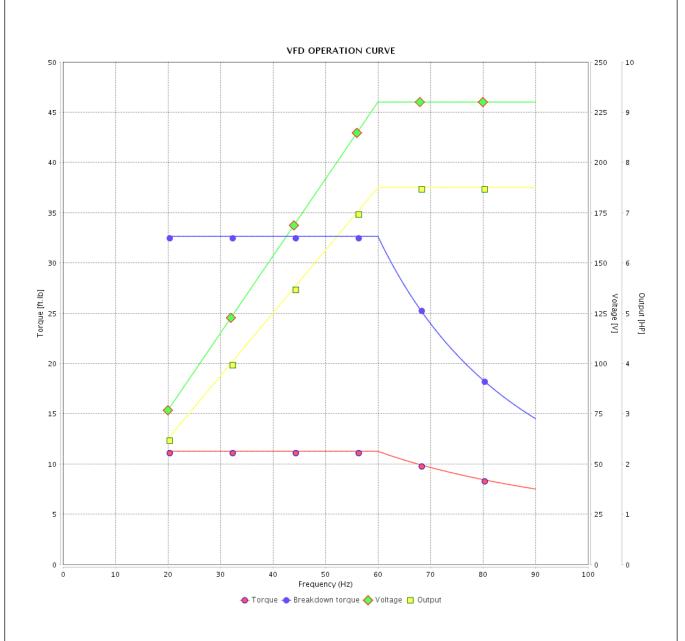
Customer :

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Efficiency Three-Phase

Product code: 13171655

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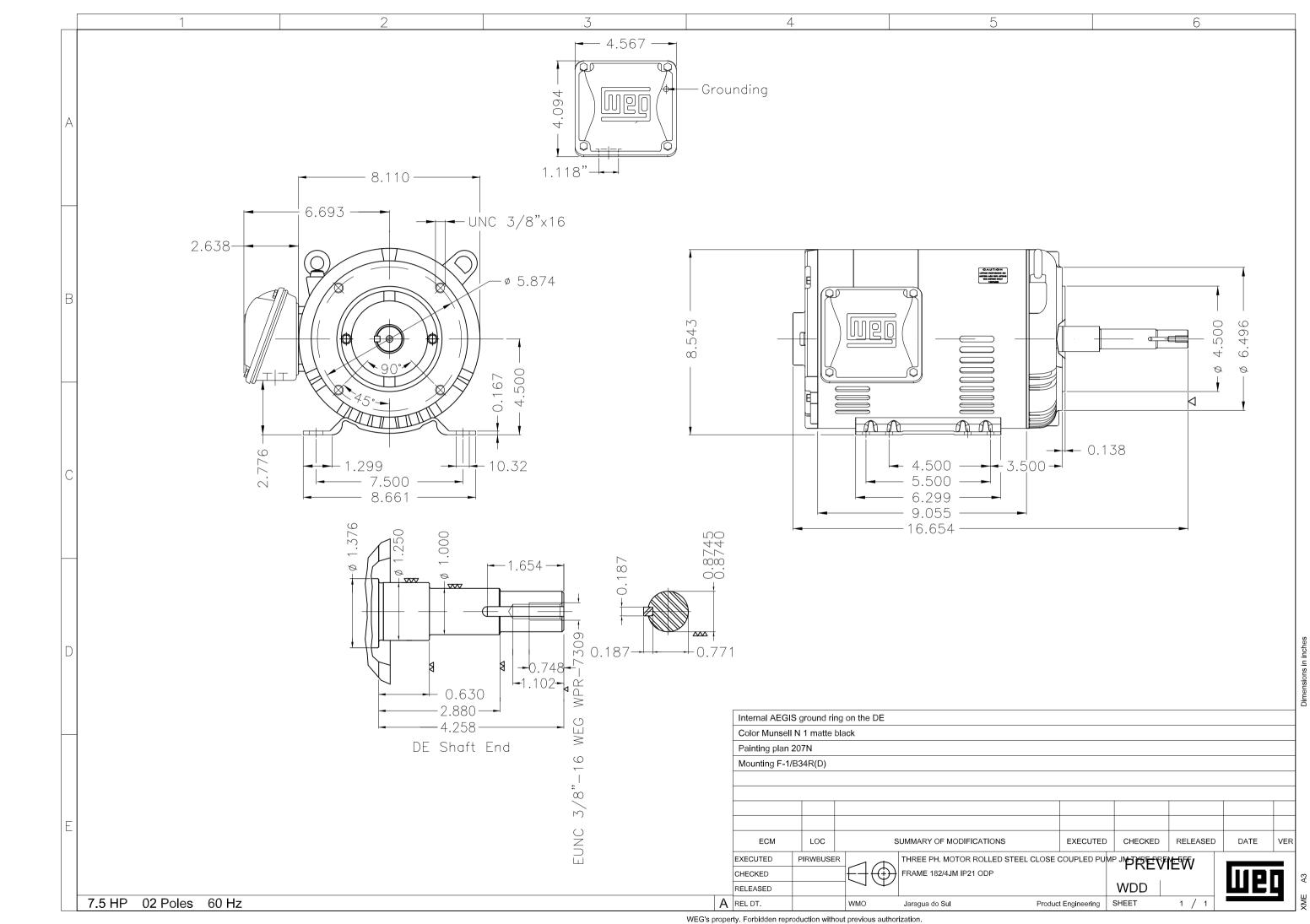


Performance	: 230/460 V 60 Hz 2P	: 230/460 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 17.3/8.67 A : 7.4 : 11.3 ft.lb : 180 % : 290 % : 3500 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1818 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				
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MODEL 007360T3E184JM-SG 9 S/N 걒 182/4.IM 1APR2022

1000 m.a.s.l F AT 80K CONT 2°04

2000

19.9/9.97

17.3/8.67 230/460 1.15

> CODE DES SABLE @ 208V 19.2A

900

ZPM 3FA 냃 쌆

ALTERNATE RATING:

SF1.00 NCL 2

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 3:1 CT NOM EFF 2865RPM 50 Hz 7.5HP

21.4-18.6/10.7-9.84A

IEC 60034-1

SF1.00

190-220/380-415V

88.5%

EFF 84.7%

8205-ZZ

ODE

8207-ZZ

삠

MOBIL POLYREX EM

T6

T2-WHT T6-GRY

T4-YEL

r3-org T5-BLK 11-BLU



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

