DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : JP Pump NEMA Premium Product code : 12682724

Efficiency Three-Phase

Catalog #: 00518OT3E184JP-S Frame : 182/4JP Cooling method : IC01 - ODP Insulation class Mounting : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight³ : 90.0 lb Design : B Moment of inertia (J) : 0.4003 sq.ft.lb Output [HP] 5 5 Poles 4 4 50 Frequency [Hz] 60 50 220/415 Rated voltage [V] 230/460 190/380 Rated current [A] 12.7/6.33 15.4/7.71 13.8/7.32 L. R. Amperes [A] 91.2/45.6 89.4/44.7 89.8/47.6 LRC [A] 7.2x(Code J) 5.8x(Code G) 6.5x(Code H) No load current [A] 6.29/3.15 6.19/3.10 6.38/3.38 Rated speed [RPM] 1760 1445 1450 Slip [%] 2.22 3.67 3.33 Rated torque [ft.lb] 14.9 18.2 18.1 Locked rotor torque [%] 200 140 160 Breakdown torque [%] 310 220 250 Service factor 1.15 1.15 1.15 Temperature rise 80 K 80 K 80 K 0s (cold) 0s (hot) Locked rotor time 21s (cold) 12s (hot) 0s (cold) 0s (hot) Noise level² 55.0 dB(A) 53.0 dB(A) 53.0 dB(A) 25% 87.5 90.4 89.3 50% 88.5 88.2 87.9 Efficiency (%) 75% 88.5 87.3 87.6 100% 89.5 84.8 85.8

0.44

0.71

0.82

0.86

Drive end Non drive end Foundation loads earing type : 6207 ZZ 6205 ZZ Max traction

0.38

0.63

0.76

0.82

Bearing type : 6207 ZZ 6205 ZZ Max. traction : 244 lb Sealing : Without Without Max. compression : 334 lb

Bearing Seal Bearing Seal Lubrication interval : - -

Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

Power Factor

USABLE @208V 14.0A SF 1.00 SFA 14.0A

25%

50%

75%

100%

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.

0.40

0.67

0.79

0.85

(1)710 10070 0110	in load.				
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



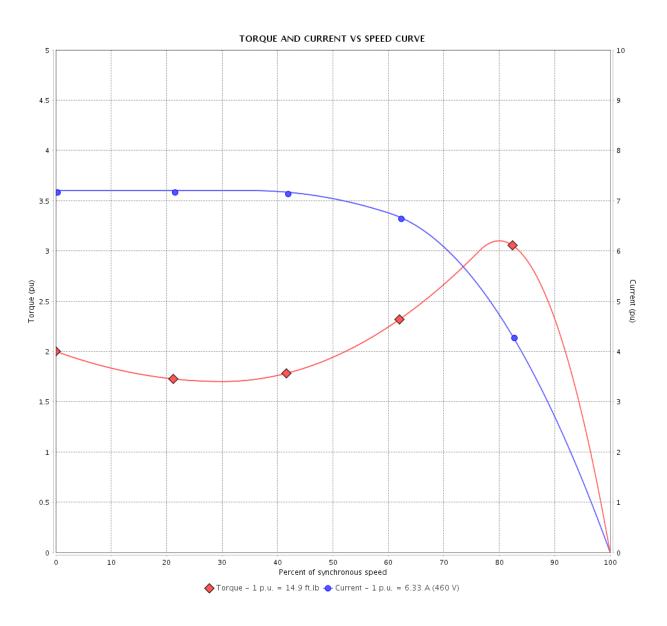
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance : 230/460 V 60 Hz 4P Rated current : 12.7/6.33 A Moment of inertia (J) : 0.4003 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : F : 14.9 ft.lb Insulation class Rated torque : 200 % Service factor Locked rotor torque : 1.15 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



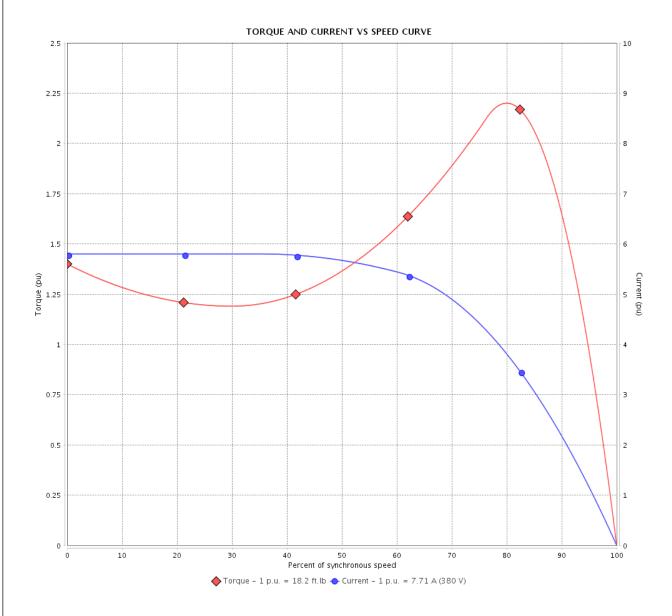
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance : 190/380 V 50 Hz 4P Rated current : 15.4/7.71 A Moment of inertia (J) : 0.4003 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) : 18.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 140 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K : B Rated speed : 1445 rpm Design Locked rotor time : 0s (cold) 0s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



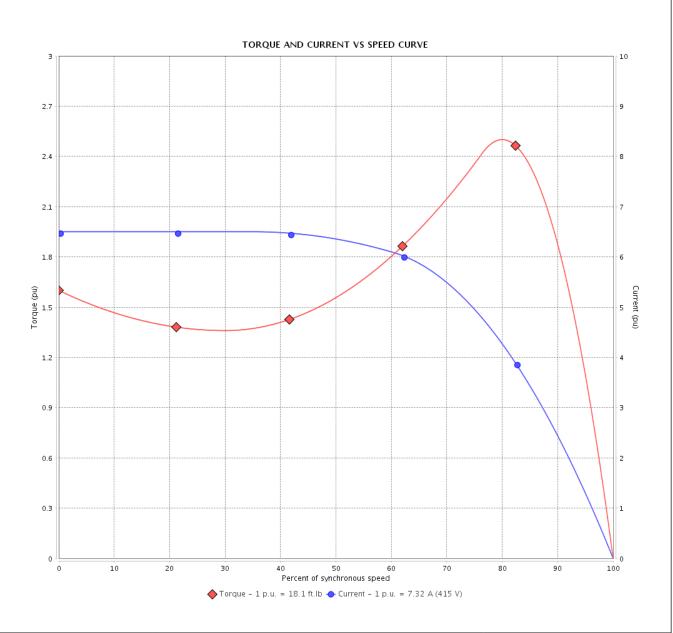
Customer :

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance : 220/415 V 50 Hz 4P Rated current : 13.8/7.32 A Moment of inertia (J) : 0.4003 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 18.1 ft.lb Service factor : 1.15 Locked rotor torque : 160 % Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1450 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



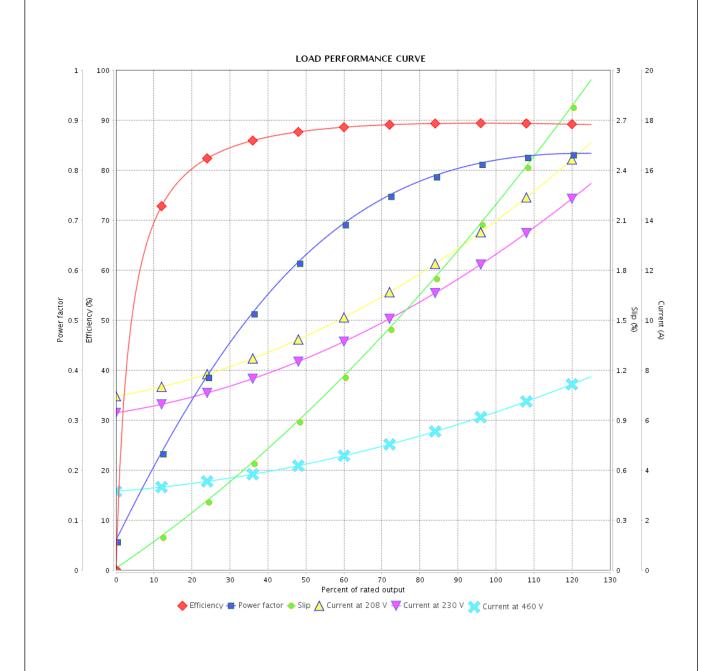
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance	:	230/460 V 60 Hz 4P				
Rated current	Rated current : 12.7/6.33 A		Moment o	Moment of inertia (J)		.lb
LRC	:	7.2	Duty cycle	; · ·	: Cont.(S1)	
Rated torque	:	14.9 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie :	200 %	Service fa	ctor	: 1.15	
Breakdown torque : 310 %		Temperati	Temperature rise			
Rated speed	:	1760 rpm	Design		: B	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

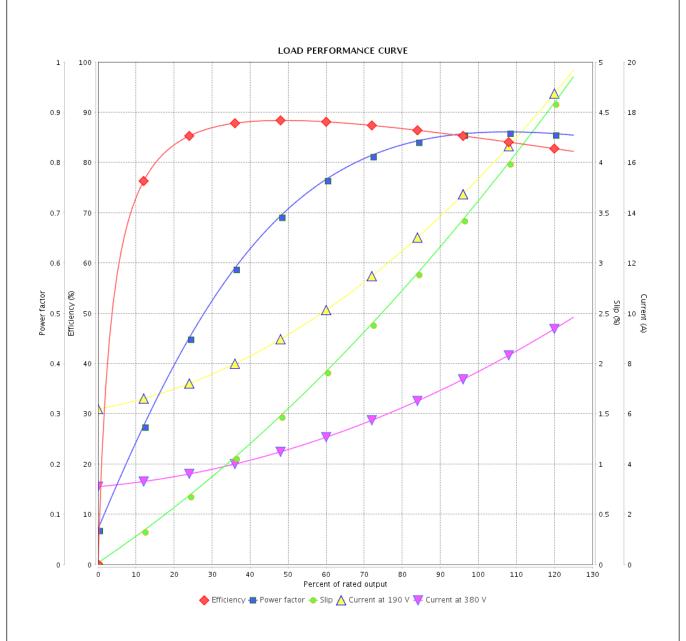
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Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance : 190/380 V 50 Hz 4P : 15.4/7.71 A Rated current Moment of inertia (J) : 0.4003 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.8 Insulation class Rated torque : 18.2 ft.lb : F Locked rotor torque : 140 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K Rated speed : 1445 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



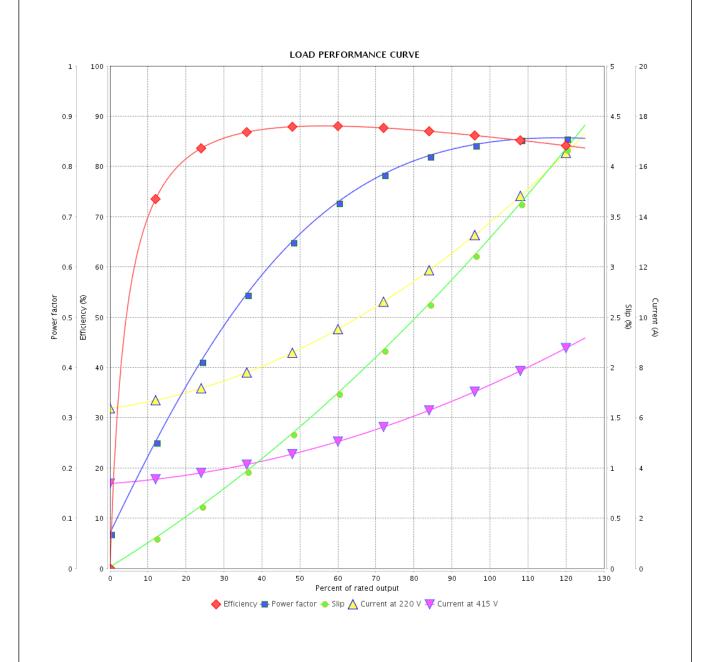
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance	: 2	220/415 V 50 Hz 4P				
Rated current	:	13.8/7.32 A	Moment o	f inertia (J)	: 0.4003 sq.ft.	lb
LRC	: (6.5	Duty cycle		: Cont.(S1)	
Rated torque	:	18.1 ft.lb	Insulation	class	: F	
Locked rotor torq	ue :	160 %	Service fa	ctor	: 1.15	
Breakdown torqu	e ::	250 %	Temperature rise		: 80 K	
Rated speed	:	1450 rpm	Design		: B	
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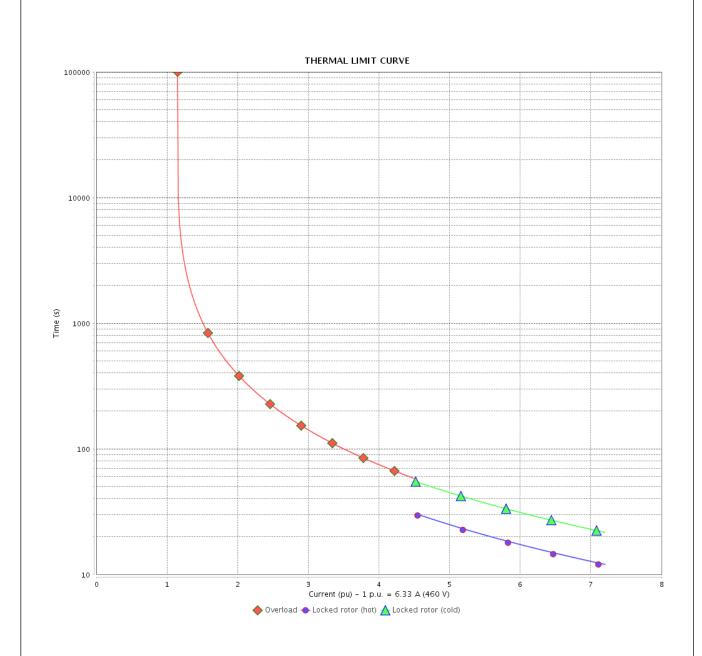


Customer	:					
Product line	:.	JP Pump NEMA Premium	ı	Product code :	12682724	
	E·	fficiency Three-Phase	(Catalog # :	00518OT3E1	84JP-S
5		20/4003/40044 4D				
Performance		30/460 V 60 Hz 4P 2.7/6.33 A	Moment	Finartia (I)	· 0.4002 og ft l	h
Rated current LRC	: 7.	2	Moment of Duty cycle		: 0.4003 sq.ft.l : Cont.(S1)	U
Rated torque		4.9 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		00 % 10 %	Service fac Temperatu		: 1.15 : 80 K	
Rated speed		760 rpm	Design		: B	
Heating constant	<u> </u>					
Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



Customer



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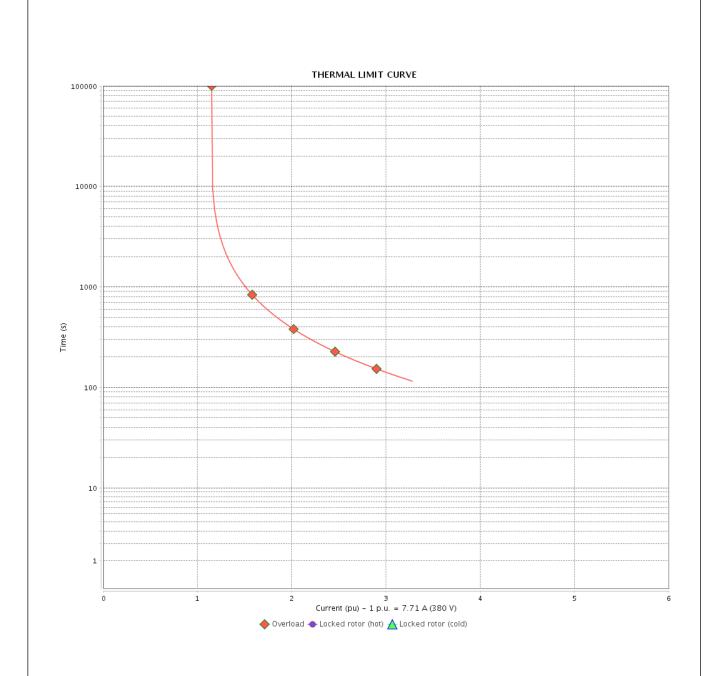


Customer	:					
Product line	: .	JP Pump NEMA Premium	1	Product code :	12682724	
	Ei	fficiency Three-Phase	(Catalog # :	00518OT3E1	84JP-S
5		20/2021/ 52 11 45				
Performance		90/380 V 50 Hz 4P 5.4/7.71 A	Moment	finartia (I)	: 0.4002 og ft l	h
Rated current LRC	: 5.	8	Duty cycle	f inertia (J)	: 0.4003 sq.ft.l : Cont.(S1)	U
Rated torque		3.2 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		40 % 20 %	Service far Temperatu		: 1.15 : 80 K	
Rated speed		145 rpm	Design		: B	
Heating constant	<u> </u>					
Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

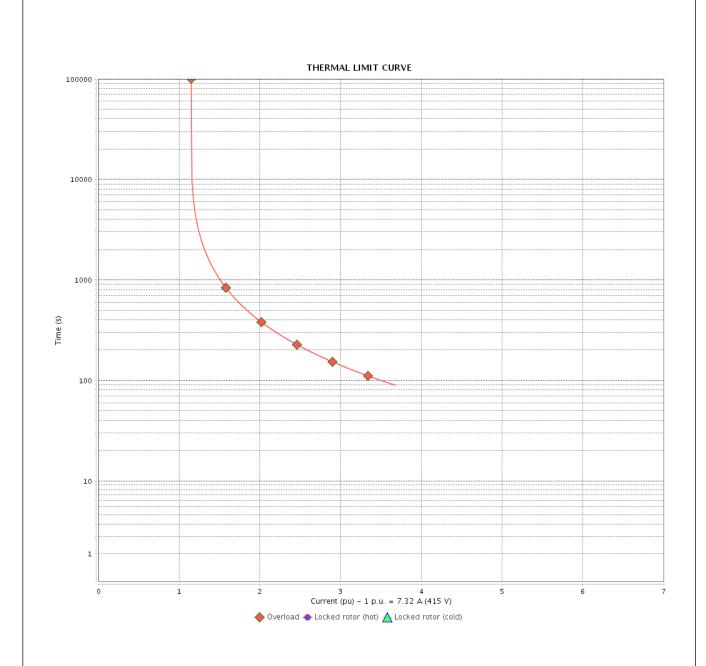


Customer		:				
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	12682724	
		Emoleticy Three-i hase		Catalog # :	00518OT3E1	184JP-S
Performance	:	220/415 V 50 Hz 4P				
Rated current		13.8/7.32 A	Moment of	of inertia (J)	: 0.4003 sq.ft.l	b
LRC		6.5	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor torq		18.1 ft.lb 160 %	Insulation Service fa		: F : 1.15	
Breakdown torqu	ie :	250 %	Temperat		: 80 K	
Rated speed	:	1450 rpm	Design		: B	
Heating constant						
Cooling constant	t					
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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

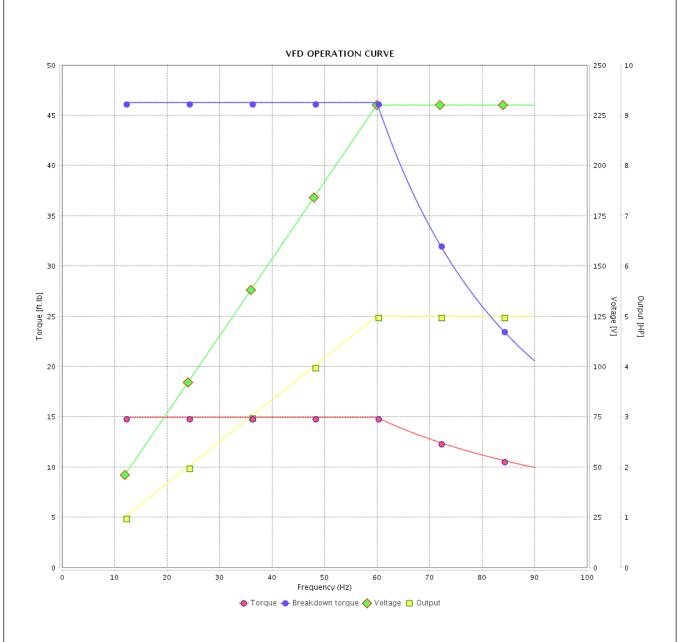
12/04/2022

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance	: 2	: 230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7 : 1 que : 2 ue : 3	2.7/6.33 A .2 4.9 ft.lb 00 % 10 % 760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4003 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



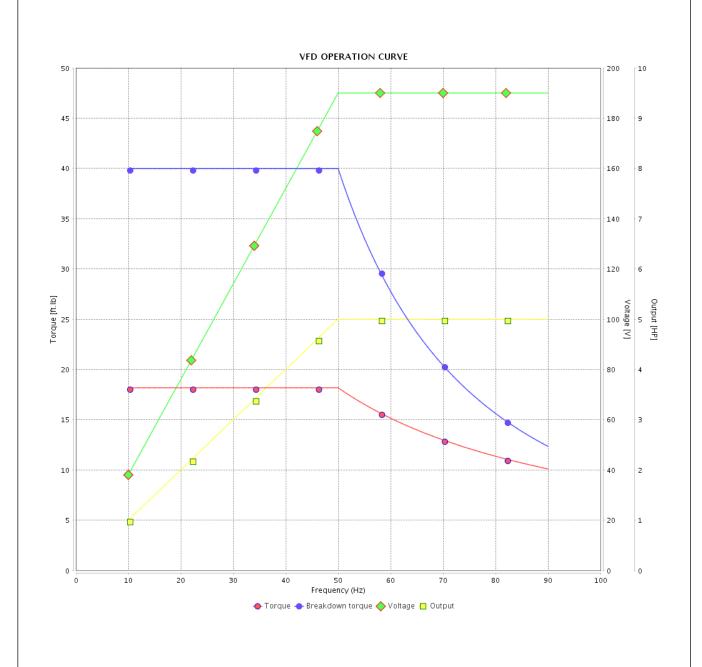
Customer

Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

Catalog #: 00518OT3E184JP-S



Performance		: 190/380 V 50 Hz 4P						
Rated current		5.4/7.71 A	Moment o	Moment of inertia (J)		: 0.4003 sq.ft.lb		
LRC :		.8	Duty cycle	Duty cycle		: Cont.(S1)		
Rated torque	: 1	8.2 ft.lb	Insulation class		:F			
Locked rotor torqu	ie : 1	40 %	Service fa	Service factor		: 1.15		
Breakdown torque	: 2	20 %	Temperati	Temperature rise				
Rated speed	: 1	445 rpm Design		: B				
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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Date

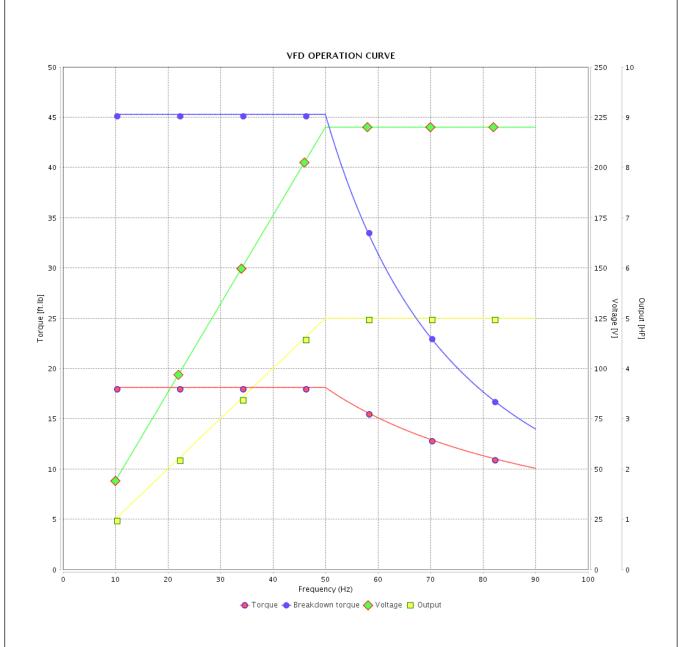
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Product line : JP Pump NEMA Premium

Efficiency Three-Phase

Product code: 12682724

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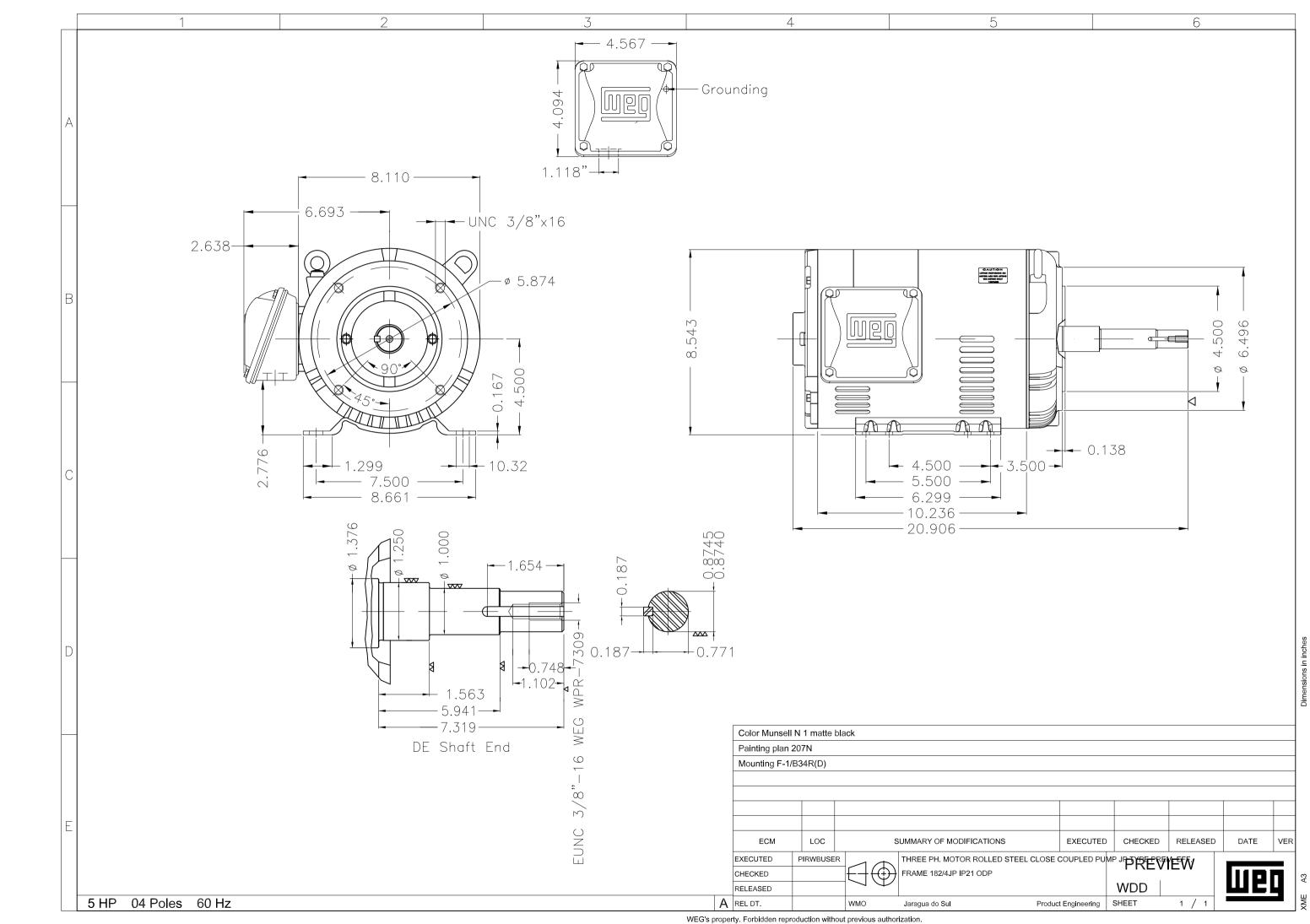


Performance	: 220/415 V 50 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 13.8/7.32 A : 6.5 : 18.1 ft.lb : 160 % : 250 % : 1450 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4003 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
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Energy Verifi (**UL)**US LISTED

S Su Su

3PT9

MODEL 00518OT3E184JP-S 9 S/N 4 7JAN2022

N01.TODICOXON

12682724

MADE IN MÉXICO

1000 m.a.s.l 182/4.IP CONT

12.7/6.33 14.6/7.28 230/460

1.15

3FA 냃 쌆

> CODE DES SABLE @ 208V 14.0A F AT 80K

2°04 900

SCL

ALTERNATE RATING:

NOM EFF ZPM 5.0HP

SF1.00 INC. 2

1445RPM 50 Hz

6205-ZZ

ODE

8207-ZZ

牌

IEC 60034-1

SF1.15

190-220/380-415V

EFF 84.8% 89.5%

15.4-13.5/7.71-7.18A

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 5:1 CT

MOBIL POLYREX EM

T6

T2-WHT

T4-YEL

r3-org T7-PNK T9-BRK T5-BLK 11-BLU

T6-GRY T8-RED RED





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

conformément aux codes électriques locaux et nationaux afin d'éviter tout