DATA SHEET

Three Phase Induction Motor - Squirrel Cage



: Both (CW and CCW)

Customer

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S

Frame : 182/4TC Cooling method : IC411 - TEFC Mounting : F-1

Insulation class : F

Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C

Altitude Protection degree : IP55

Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight³ : 78.0 lb

Rotation¹

Moment of inertia (J) : 0.2800 sq.ft.lb

Design		: B		
Output [HP]		1.5	1.5	1.5
Poles		6	6	6
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		4.44/2.22	5.18-4.47/2.59	2.49
L. R. Amperes [A]		30.6/15.3	29.5-25.5/14.8	16.4
LRC [A]		6.9x(Code K)	5.7x(Code H)	6.6x(Code J)
No load current [A	.]	2.73/1.36	2.69-2.32/1.34	1.54
Rated speed [RPN	Л]	1170	955	965
Slip [%]		2.50	4.50	3.50
Rated torque [ft.lb]		6.73	8.25	8.16
Locked rotor torqu	ie [%]	240	190	250
Breakdown torque	: [%]	340	260	330
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		99s (cold) 55s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²		52.0 dB(A)	50.0 dB(A)	50.0 dB(A)
	25%	82.8	84.4	82.3
Efficiency (%)	50%	84.0	84.2	82.9
Efficiency (70)	75%	86.5	85.6	85.3
	100%	87.5	84.9	85.5
	25%	0.29	0.34	0.29
Power Factor	50%	0.50	0.58	0.51
Power Factor	75%	0.63	0.70	0.63
	100%	0.71	0.76	0.72

Non drive end Foundation loads Drive end

Bearing type 6206 ZZ 6205 ZZ Max. traction : 133 lb Sealing V'Ring Without Max. compression : 211 lb

Bearing Seal

Lubrication interval Lubricant amount Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 4.91A SF 1.00 SFA 4.91A

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



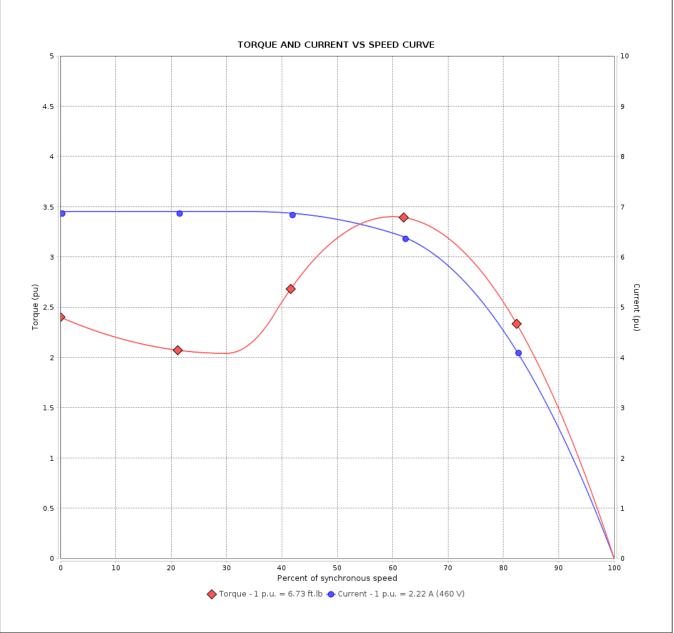
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance	: 230/460 V 60 Hz 6P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.44/2.22 A : 6.9 : 6.73 ft.lb : 240 % : 340 % : 1170 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2800 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Locked roter time	: 00s (sold) 55s (bot)	Doolgii		

Locked rotor time : 99s (cold) 55s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

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Customer

Product line : Rolled Steel NEMA Premium Efficiency

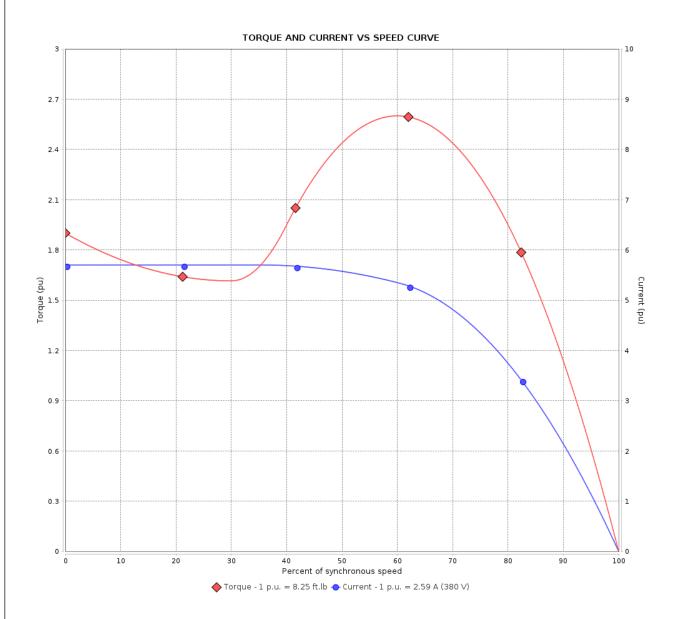
Three-Phase

Product code:

13187814

Catalog #:

00152ET3E182TC-S



Performance	: 190-220/380 V 50 Hz 6	Р	
Rated current	: 5.18-4.47/2.59 A	Moment of inertia (J)	: 0.2800 sq.ft.lb
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 8.25 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 955 rpm	Design	: B
Locked rotor time	: 0s (cold) 0s (hot)		

Locked rotor time	: 0s (cold) 0s (hot)
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



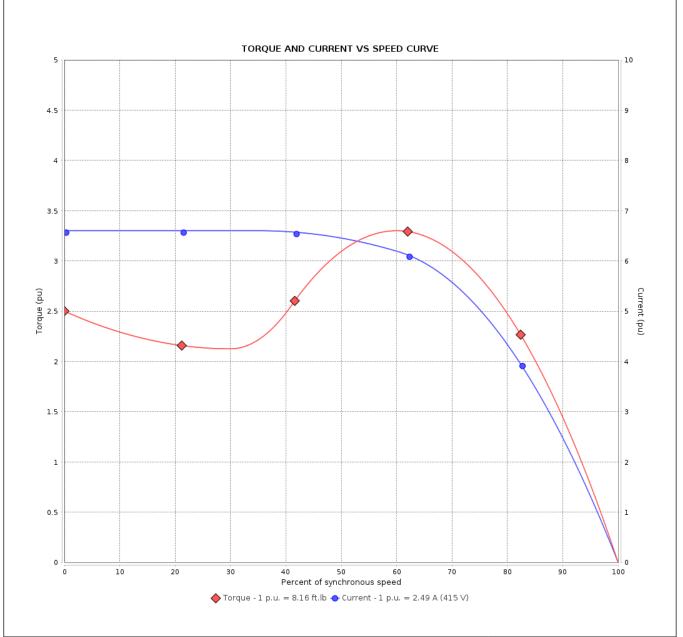
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog # : 00152ET3E182TC-S



Performance	: 415 V 50 Hz 6P		
Rated current	: 2.49 A	Moment of inertia (J)	: 0.2800 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 8.16 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 965 rpm	Design	: B
Locked rotor time	: 0s (cold) 0s (hot)	1	

Lookou rotor time		(0014) 00 (1101)			
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



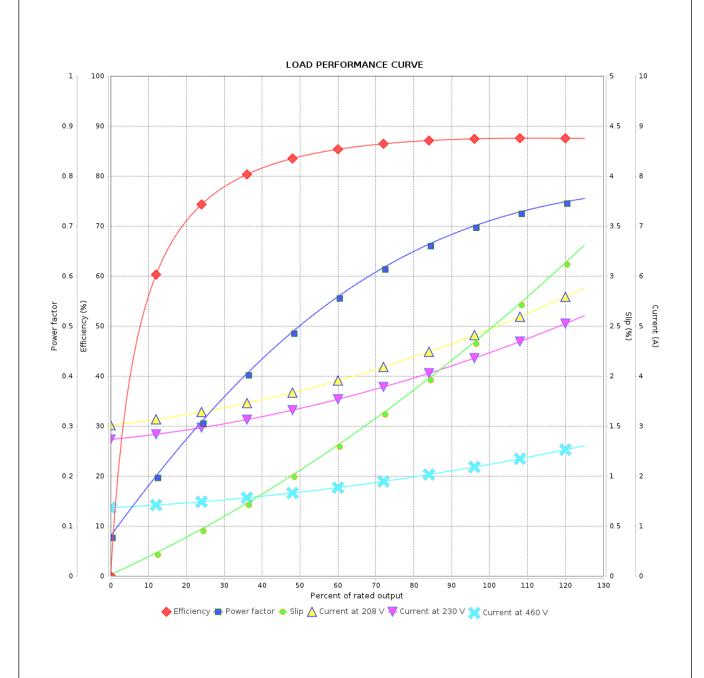
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Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance		230/460 V 60 Hz 6P				
Rated current		4.44/2.22 A	44/2.22 A Moment of inertia (J)		: 0.2800 sq.ft.lb	
LRC		6.9	Duty cycle)	: Cont.(S1)	
Rated torque		6.73 ft.lb	Insulation	class	: F	
Locked rotor tord	que	240 %	Service fa	ctor	: 1.15	
Breakdown torqu	ue	340 %	Temperati	Temperature rise		
Rated speed		1170 rpm	Design		: B	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



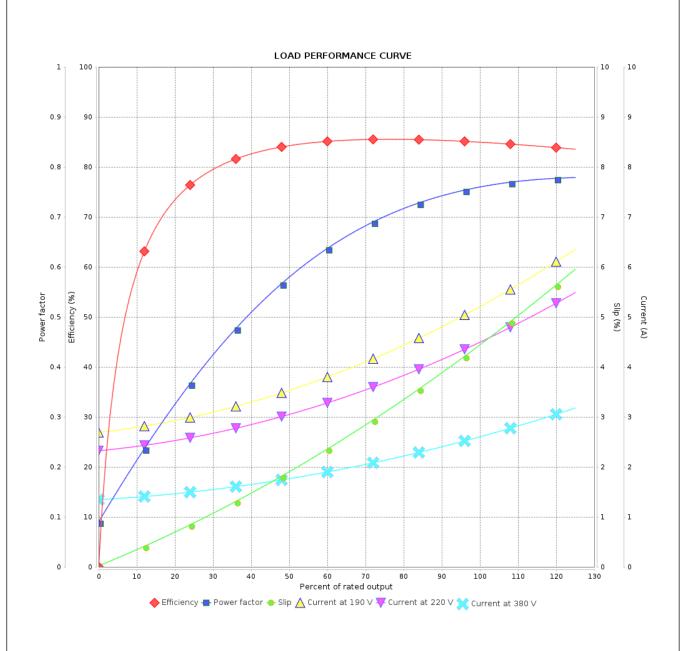
Customer

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance	: 1	: 190-220/380 V 50 Hz 6P				
Rated current	ed current : 5.18-4.47/2.59 A Moment of inert		of inertia (J)	: 0.2800 sq.ft.lb		
LRC	: 5	.7	Duty cycle	9	: Cont.(S1)	
Rated torque	: 8	.25 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 1	90 %	Service fa	ictor	: 1.15	
Breakdown torqu	ue : 2	60 %	Temperat	Temperature rise		
Rated speed	: 9	55 rpm	Design		: B	
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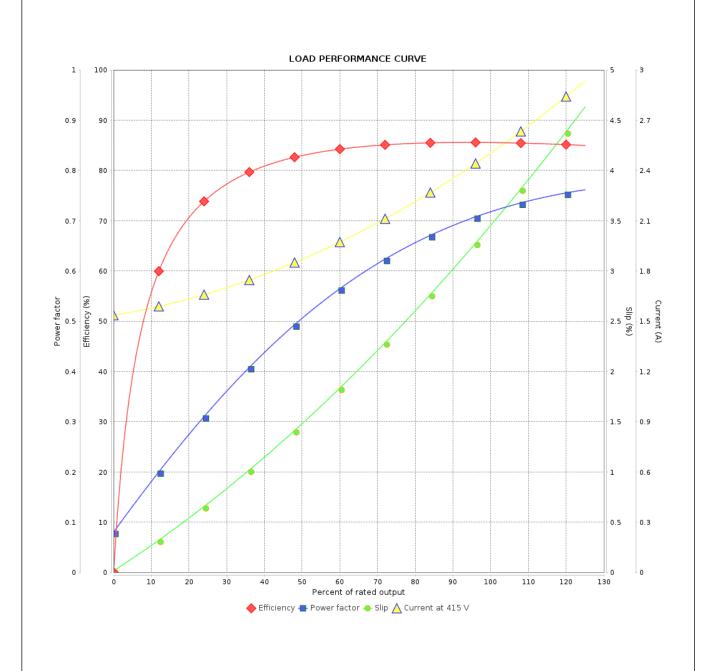
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance	: 4	415 V 50 Hz 6P				
Rated current	: 2	: 2.49 A Moment of inert		f inertia (J)	: 0.2800 sq.ft.lb	
LRC	: 6	6.6	Duty cycle)	: Cont.(S1)	
Rated torque	: 8	3.16 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	250 %	Service fa	ctor	: 1.15	
Breakdown torque		330 %	Temperati	ıre rise	: 80 K	
Rated speed	: 9	965 rpm	Design		: B	
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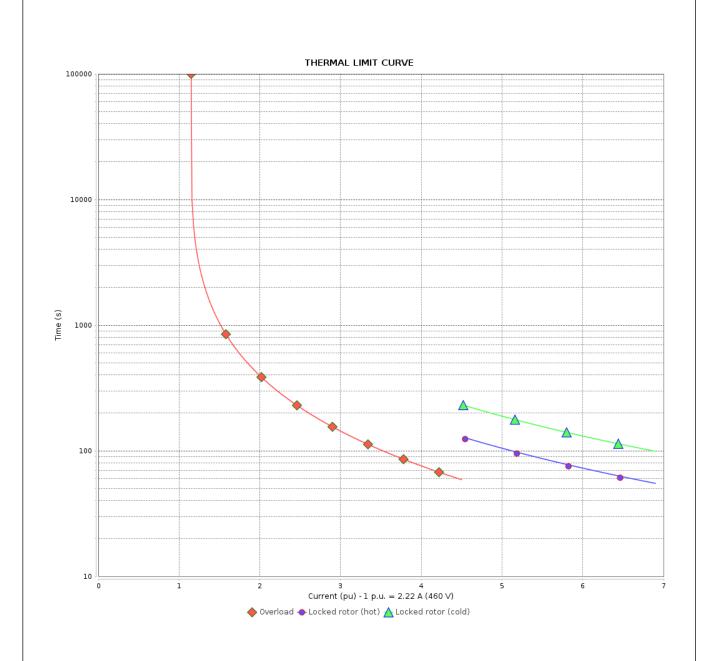


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Customer	:				
Product line	: Rolled Steel NEMA Premium Three-Phase	Efficiency	Product code :	13187814	2070.0
			Catalog # :	00152ET3E1	821C-S
Performance	: 230/460 V 60 Hz 6P				
Rated current	: 4.44/2.22 A	Moment	of inertia (J)	: 0.2800 sq.ft.	b
LRC	: 6.9	Duty cycl	е	: Cont.(S1)	
Rated torque Locked rotor tord	: 6.73 ft.lb que : 240 %	Insulation Service fa		: F : 1.15	
Breakdown torqu	ue : 340 %	Temperat		: 80 K	
Rated speed	: 1170 rpm	Design		: B	
Heating constan	t				
Cooling constan	t				
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Three Phase Induction Motor - Squirrel Cage



Customer :



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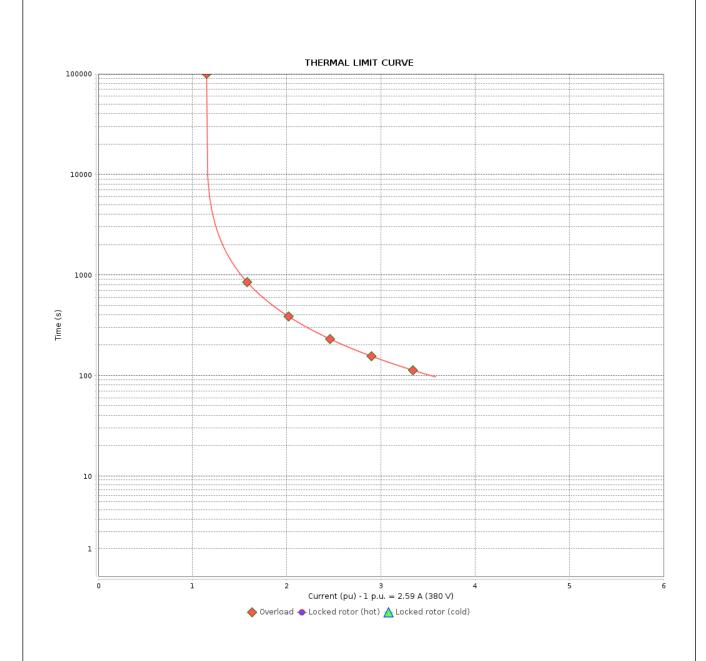


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Customer	:			
Product line	: Rolled Steel NEMA Premium Effici	ency Product co	de: 13187814	
	Three-Phase	Catalog # :	00152ET3E	182TC-S
Dorformers	. 400 220/220 V 50 H= 0D			
Performance Rated current	: 190-220/380 V 50 Hz 6P : 5.18-4.47/2.59 A	Moment of inertia (J)	: 0.2800 sq.ft	lh
LRC	: 5.7	Duty cycle	: Cont.(S1)	.i .
Rated torque	: 8.25 ft.lb	Insulation class	: F	
Locked rotor torque Breakdown torque		Service factor Temperature rise	: 1.15 : 80 K	
Rated speed	: 955 rpm	Design	: B	
Heating constant				
Cooling constant				
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

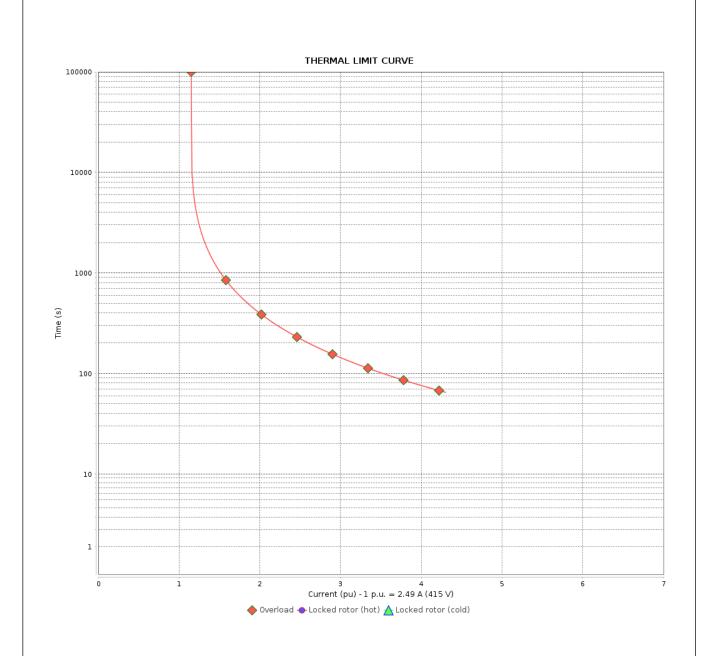


Customer	:			,	
Product line	: Rolled Steel NEMA Premium Efficier	ncy I	Product code :	13187814	
	Three-Phase		Catalog # :	0015257251	192TC S
			Catalog # :	00152ET3E1	18216-8
Performance	: 415 V 50 Hz 6P				
Rated current LRC	: 2.49 A : 6.6	Moment of	f inertia (J)	: 0.2800 sq.ft.l	b
Rated torque	: 6.6 : 8.16 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor torque	: 250 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed	: 330 % : 965 rpm	Temperatu Design	ire rise	: 80 K : B	
	- r	- J			
Heating constant Cooling constant					
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Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

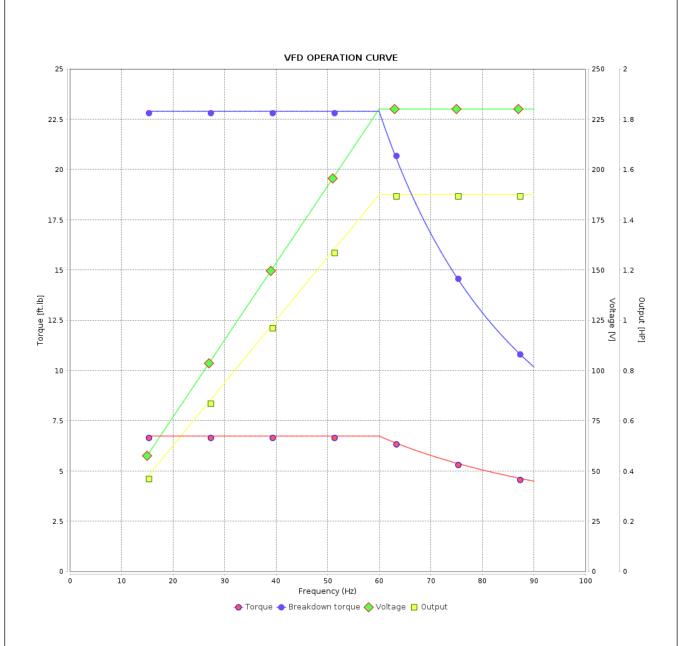
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Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance : 230/460 V 60 Hz 6P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2800 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



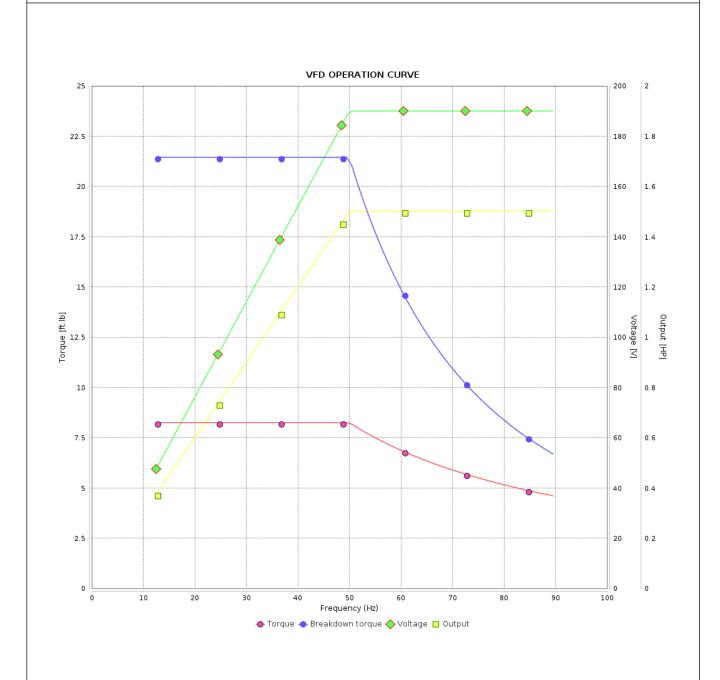
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 13187814

Catalog #: 00152ET3E182TC-S



Performance	: 1	: 190-220/380 V 50 Hz 6P				
Rated current	nt : 5.18-4.47/2.59 A		Moment of	Moment of inertia (J)		.lb
LRC	: 5	.7	Duty cycle		: Cont.(S1)	
Rated torque	: 8	.25 ft.lb	Insulation class		: F	
Locked rotor torqu	e :1	90 %	Service factor		: 1.15	
Breakdown torque		60 %	Temperati	Temperature rise		
Rated speed	: 9	55 rpm	Design		: B	
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VFD OPERATION CURVE

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Customer :

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Date

27/10/2023

Product line : Rolled Steel NEMA Premium Efficiency

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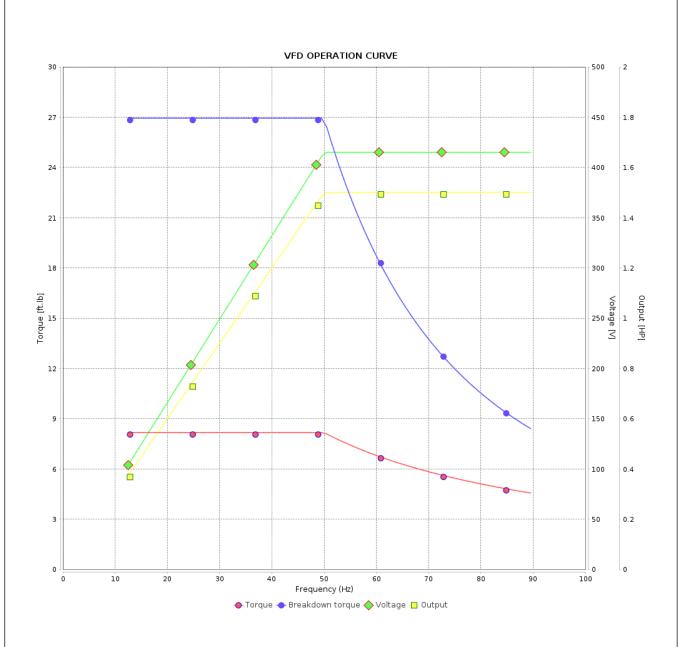
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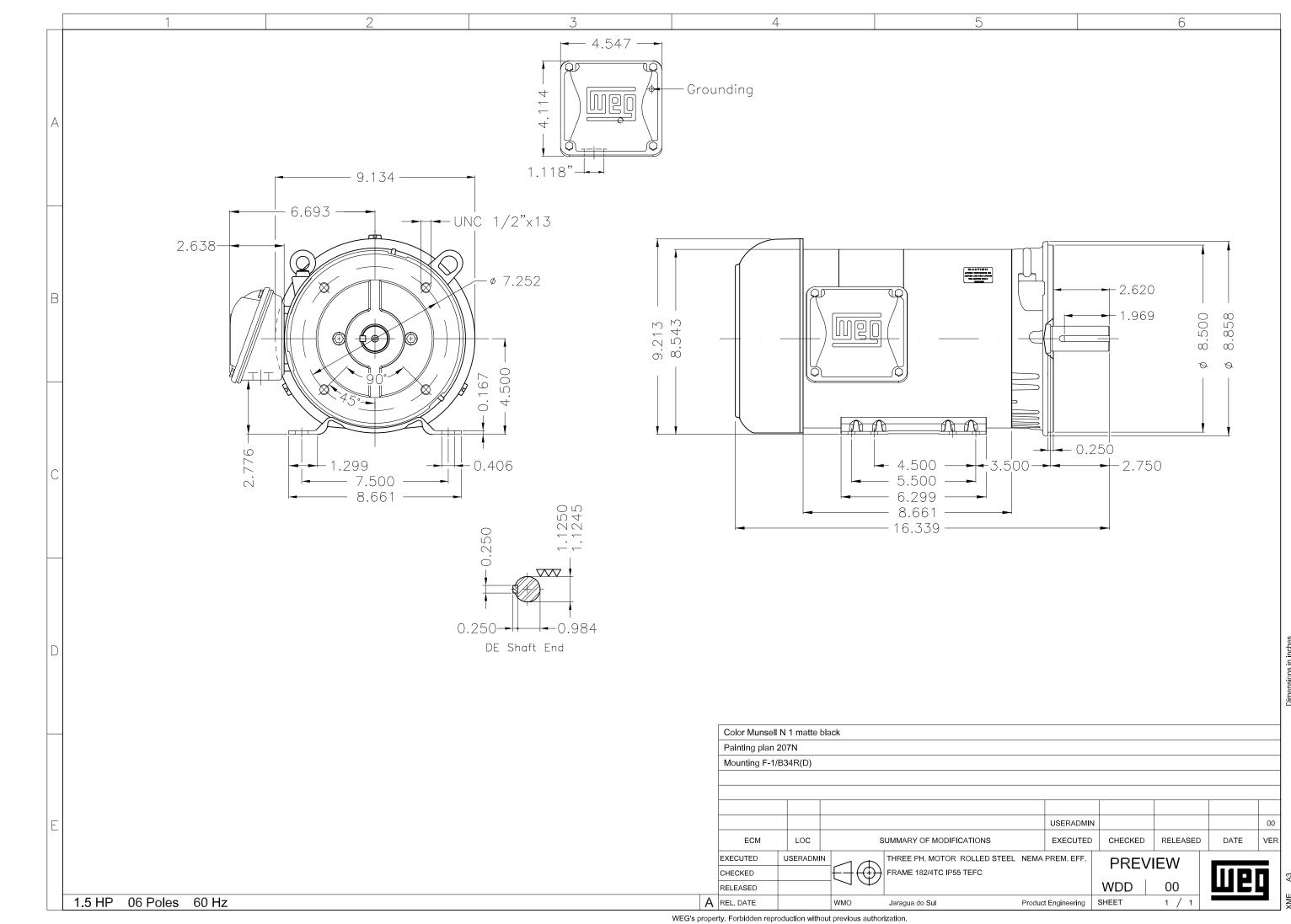
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Revision



Performance		: 415 V 50 Hz 6	6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 2.49 A : 6.6 : 8.16 ft.lb : 250 % : 330 % : 965 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2800 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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Performed by							





ZEZ

UL) US LISTED 3PT9 FOR SAFE

& Energy Verifi

> N01.TE0IC0X0N 13187814 MADE IN MÉXICO

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)

> MODEL 00152ET3E182TC-S S/N 20CT2023

8 걒 1000 m.a.s.l 182/4TC CONT

CODE SH

TEFC 2°04

SPM 3FA 냃 쌆

5.11/2.55

P55

F AT 80K

NSC INC. WB

230/460 1.15

ALTERNATE RATING:

1.5HP

5.18-4.70/2.59-2.49A

50 Hz

For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT. 4:1 CT 955RPM ODE 8205-22

8206-ZZ

牌

HEH

MOBIL POLYREX EM

IEC 60034-1

SF1.15

190-220/380-415V

87.5%

NOM EFF NEMA

EFF 84.9%

T2-WHT

T4-YEL

r3-org T9-RED 7-PNK 1-BLU 15-BLK





WARNING: Motor must be grounded in accordance with local ind national electrical codes to prevent serious electrical

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

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

