DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S

Frame : 182/4TC Cooling method : IC01 - ODP
Insulation class : F Mounting : W-6
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. weight ³	: 73.9 lb
Design		: B	Moment of inertia (J)	: 0.2800 sq.ft.lb
Output [HP]		2	2	2
Poles		6	6	6
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		5.90/2.95	6.96-6.01/3.48	3.36
L. R. Amperes [A]		38.9/19.5	35.5-30.7/17.7	20.5
LRC [A]		6.6x(Code J)	5.1x(Code G)	6.1x(Code J)
No load current [A	.]	3.42/1.71	3.37-2.91/1.69	1.99
Rated speed [RPI	Л]	1165	945	955
Slip [%]		2.92	5.50	4.50
Rated torque [ft.lb]		9.02	11.1	11.0
Locked rotor torqu	ie [%]	200	160	210
Breakdown torque	: [%]	300	220	270
Service factor		1.15	1.00	1.00
Temperature rise		80 K	105 K	80 K
Locked rotor time		59s (cold) 33s (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%	84.4	86.1	83.1
Efficiency (%)	50%	85.5	84.8	83.0
Efficiency (%)	75%	86.5	84.9	84.6
	100%	87.5	83.0	84.0
	25%	0.30	0.36	0.30
Power Factor	50%	0.53	0.61	0.53
1 OWEI FACIOI	75%	0.66	0.73	0.66
	100%	0.73	0.79	0.74

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

Bearing type : 6206 ZZ 6205 ZZ Max. traction : 153 lb Sealing : Without Without Max. compression : 226 lb

Bearing Seal Bearing Seal

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

ublicant type : Wooli i

Notes

USABLE @208V 6.52A SF 1.00 SFA 6.52A

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



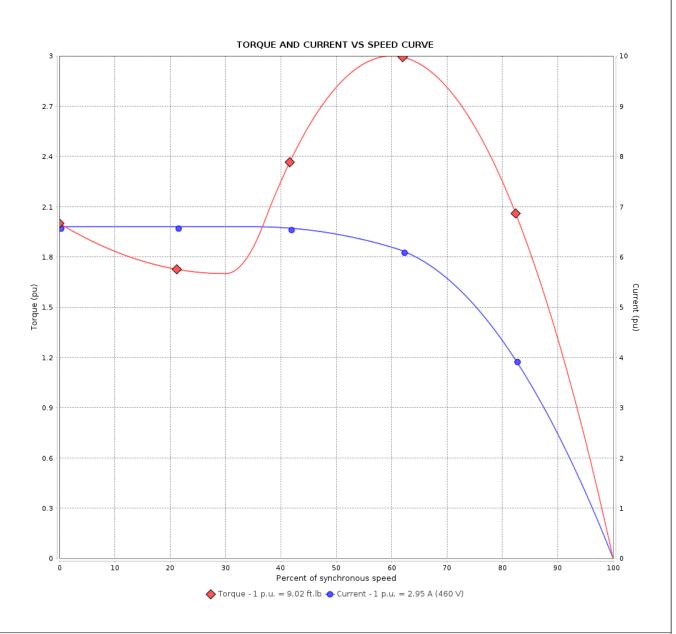
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S



Performance : 230/460 V 60 Hz 6P Rated current : 5.90/2.95 A Moment of inertia (J) : 0.2800 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) : F : 9.02 ft.lb Insulation class Rated torque Service factor : 1.15 Locked rotor torque : 200 % Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1165 rpm Design : B

Locked rotor time : 59s (cold) 33s (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

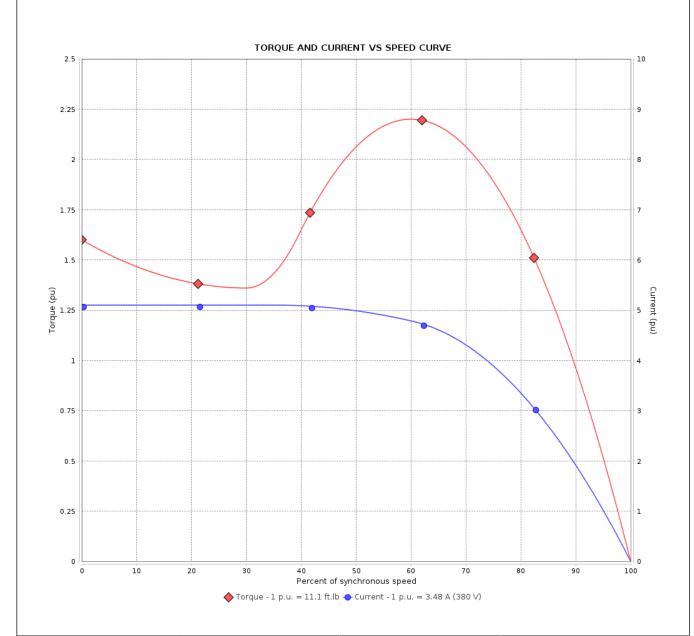
Three-Phase

Product code: 1

15608393

Catalog #:

00212OT3ER184TC-S



Performance	: 190-220/380 V 50 Hz 6	iP		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.96-6.01/3.48 A : 5.1 : 11.1 ft.lb : 160 % : 220 % : 945 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2800 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Locked rotor time	: 0s (cold) 0s (hot)			

LOCKCU TOTOL UITI	. 0	s (cold) os (flot)			
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



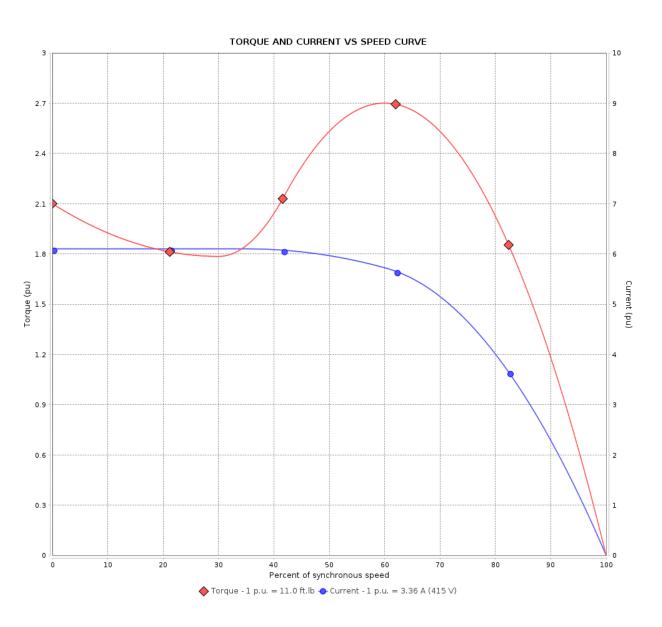
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S



Performance : 415 V 50 Hz 6P Rated current : 3.36 A Moment of inertia (J) : 0.2800 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 11.0 ft.lb Service factor Locked rotor torque : 210 % : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 955 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



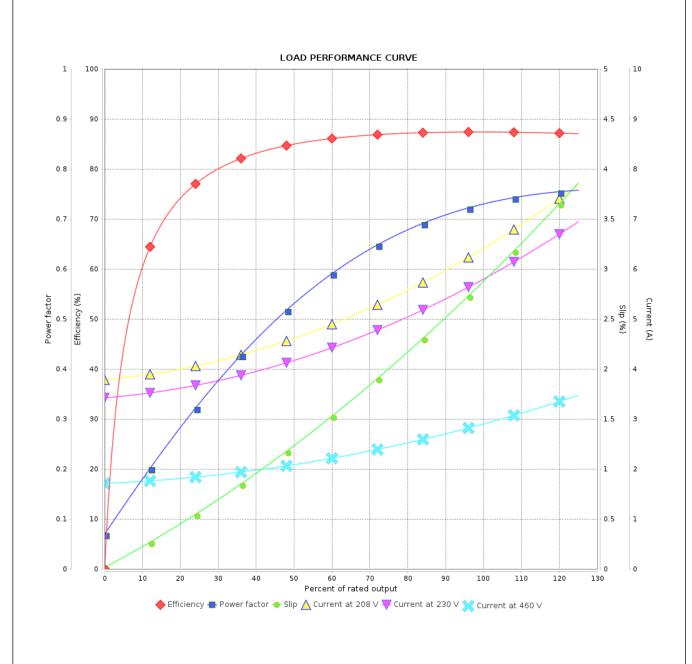
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S



Performance	: 2	30/460 V 60 Hz 6P				
Rated current LRC Rated torque	: 6	: 5.90/2.95 A Moment o : 6.6 Duty cycle : 9.02 ft.lb Insulation			: 0.2800 sq.ft. : Cont.(S1) : F	lb
Locked rotor torq Breakdown torqu	ue : 2	00 % 00 %	Service fa Temperati	actor	: 1.15 : 80 K	
Rated speed	: 1	165 rpm	Design		: B	
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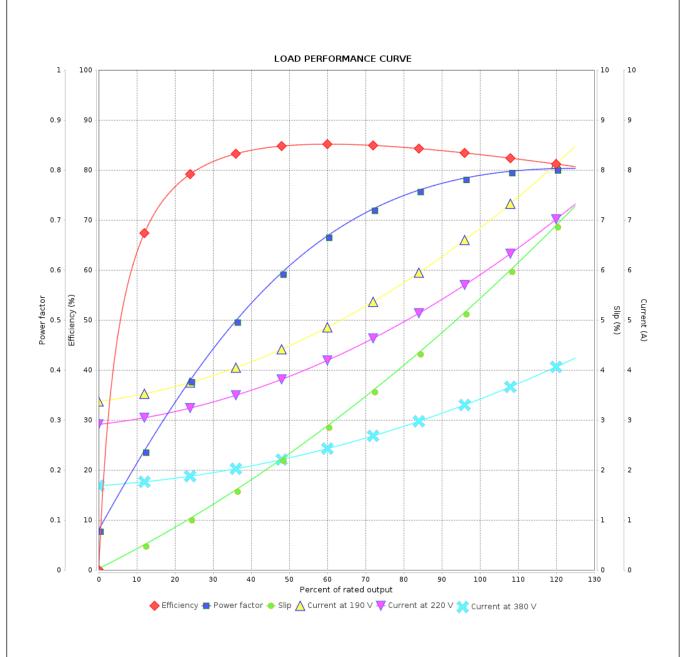
Customer

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S



Performance	: 1	90-220/380 V 50 Hz 6	Р			
Rated current	: 6	.96-6.01/3.48 A	Moment of	of inertia (J)	: 0.2800 sq.ft.	.lb
LRC	: 5	.1	Duty cycle	Э	: Cont.(S1)	
Rated torque	: 1 ⁻	1.1 ft.lb	Insulation	class	: F	
Locked rotor torque : 160 %		60 %	Service fa	octor	: 1.00	
Breakdown torque :		20 %	Temperati	Temperature rise		
Rated speed	: 9	45 rpm	Design		: B	
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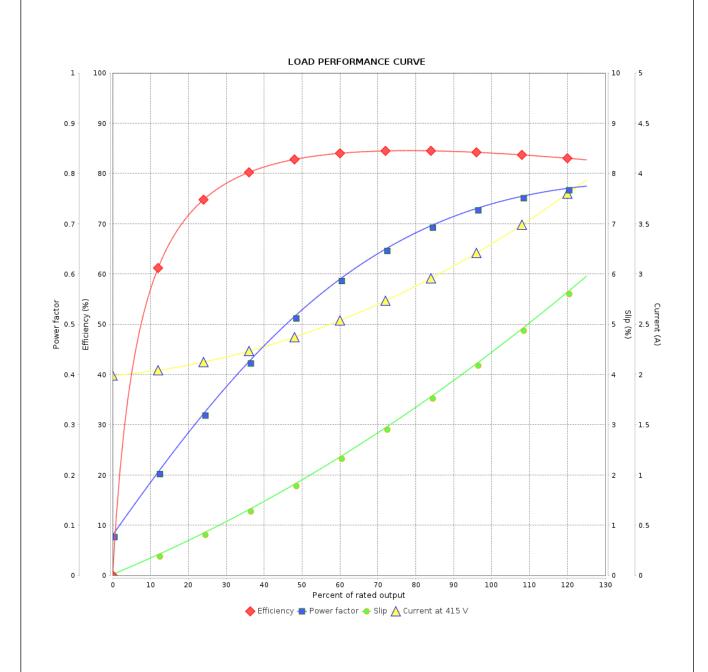
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Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S

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Performance	: 415 V 50 Hz 6P				
Rated current	: 3.36 A	Moment o	f inertia (J)	: 0.2800 sq.ft.	lb
LRC	: 6.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 11.0 ft.lb	Insulation	class	: F	
Locked rotor torque	: 210 %	Service fa	ctor	: 1.00	
Breakdown torque	: 270 %	Temperature rise		: 80 K	
Rated speed	: 955 rpm	Design		: B	
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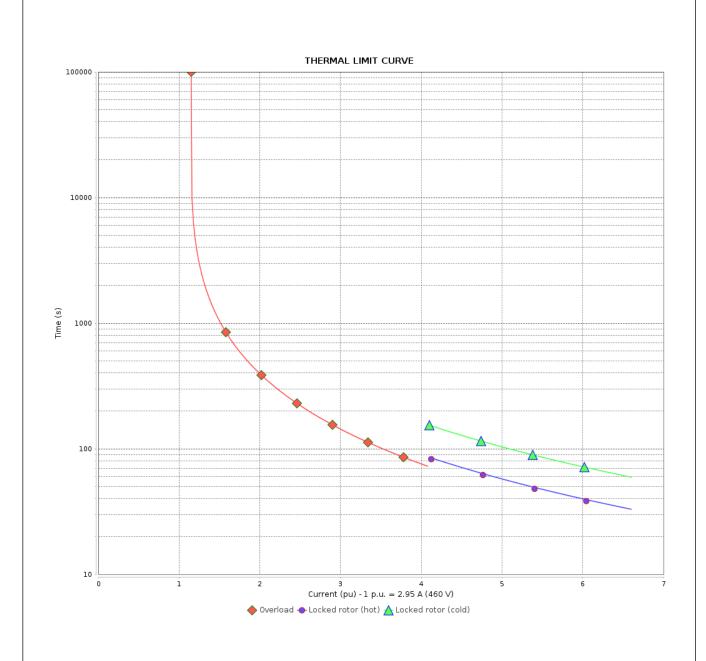


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Product line	: Rolled : Three-Pl	Steel NEMA Premium Efficie	ency	Product code :	15608393	
	111166-F1	iase		Catalog # :	00212OT3E	R184TC-S
Performance		230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: que : ue :	5.90/2.95 A 6.6 9.02 ft.lb 200 % 300 %	Duty cycle Insulation Service fa Temperate	class actor	: 0.2800 sq.ft. : Cont.(S1) : F : 1.15 : 80 K	lb
Rated speed		1165 rpm	Design		: B	
Heating constan						
Cooling constan	t	01 0			- OL	
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

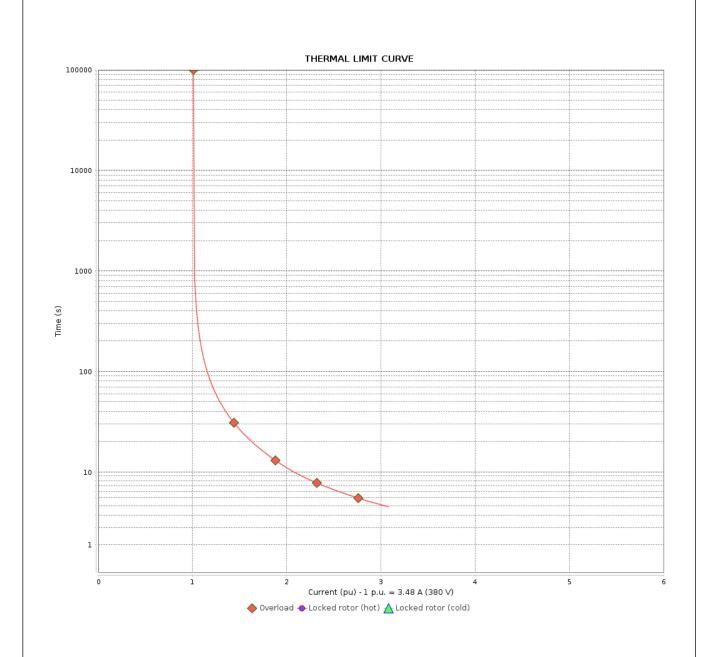


Performance							
Performance	Customer	:					
Performance	Product line	: Rolled S Three-Ph	iteel NEMA Premium Efficie	ency	Product code :	15608393	
Rated current LRC : 5.1 LRC : 5.1 Duty cycle : Cont.(S1) Insulation class : F Locked rotor torque : 160 % Breakdown torque : 220 % Rated speed : 945 rpm Performed by Checked by Moment of inertia (J) : 0.2800 sq.ft.lb Insulation class : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 105 K Design : B Performed Checked Date		THICC-I III	asc		Catalog # :	00212OT3E	R184TC-S
Rated current : 6.96-6.01/3.48 A							
LRC : 5.1 Duty cycle : Cont.(S1) Rated torque : 11.1 ft.lb Insulation class : F Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 105 K Rated speed : 945 rpm Design : B Heating constant Cooling constant Rev. Changes Summary Performed Checked Date Performed by Checked by	Performance	: 1	90-220/380 V 50 Hz 6P				
Heating constant Cooling constant Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision	LRC Rated torque Locked rotor tord Breakdown torqu	: 5 : 1 que : 1 ue : 2	5.1 1.1 ft.lb 60 % 220 %	Duty cycle Insulation Service fa Temperati	e class ctor	: Cont.(S1) : F : 1.00 : 105 K	lb
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Three Phase Induction Motor - Squirrel Cage



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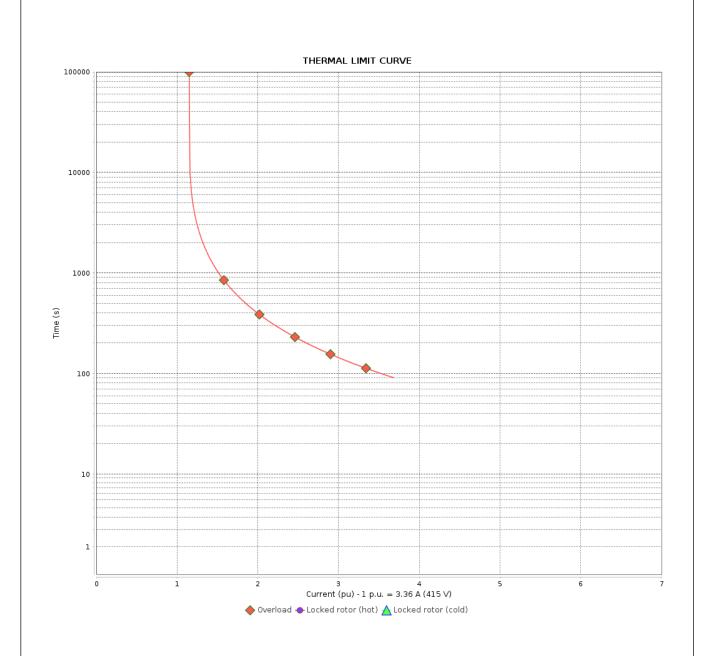


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Customer	:					
Product line	: Rolled S Three-Ph	teel NEMA Premium Efficie	ency	Product code :	15608393	
	THICE I'II	450		Catalog # :	00212OT3E	R184TC-S
Performance		115 V 50 Hz 6P	T			
Rated current LRC Rated torque Locked rotor tord Breakdown torque	: 6 : 1 que : 2	3.36 A 3.1 11.0 ft.lb 210 % 270 %	Moment of Duty cycle Insulation Service fa	class ctor	: 0.2800 sq.ft. : Cont.(S1) : F : 1.00 : 80 K	lb
Rated speed		955 rpm	Design		: B	
Heating constan	t					
Cooling constan						
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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 :

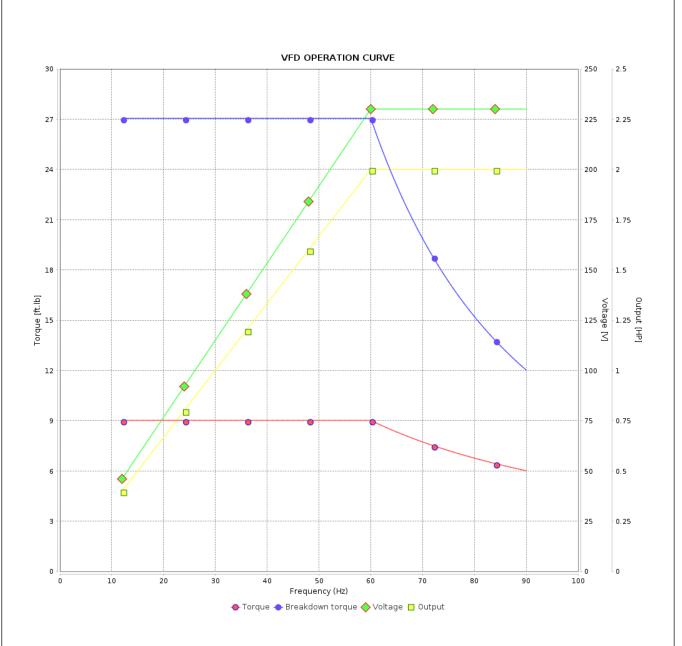
Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S

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Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.90/2.95 A : 6.6 : 9.02 ft.lb : 200 % : 300 % : 1165 rpm	Moment of industry cycle Insulation cla Service factor Temperature Design	ss r	: 0.2800 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



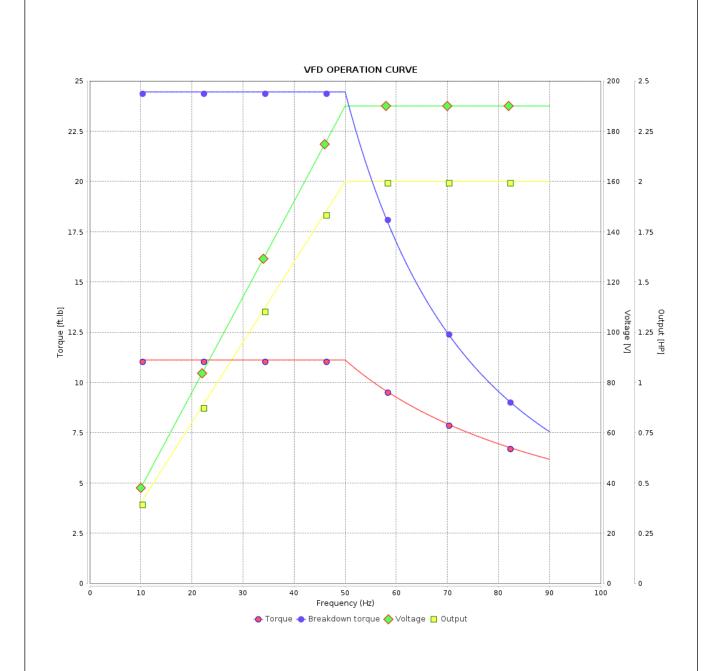
Customer :

Product line : Rolled Steel NEMA Premium Efficiency

Three-Phase

Product code: 15608393

Catalog #: 00212OT3ER184TC-S



Performance	: 1	90-220/380 V 50 Hz 6	SP .			
Rated current LRC Rated torque	: 5	.96-6.01/3.48 A .1 1.1 ft.lb	Moment of Duty cycle Insulation		: 0.2800 sq.ft. : Cont.(S1) : F	lb
Locked rotor torque Breakdown torque Rated speed	: 2	60 % 20 % 45 rpm	Service fa Temperati Design		: 1.00 : 105 K : B	
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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

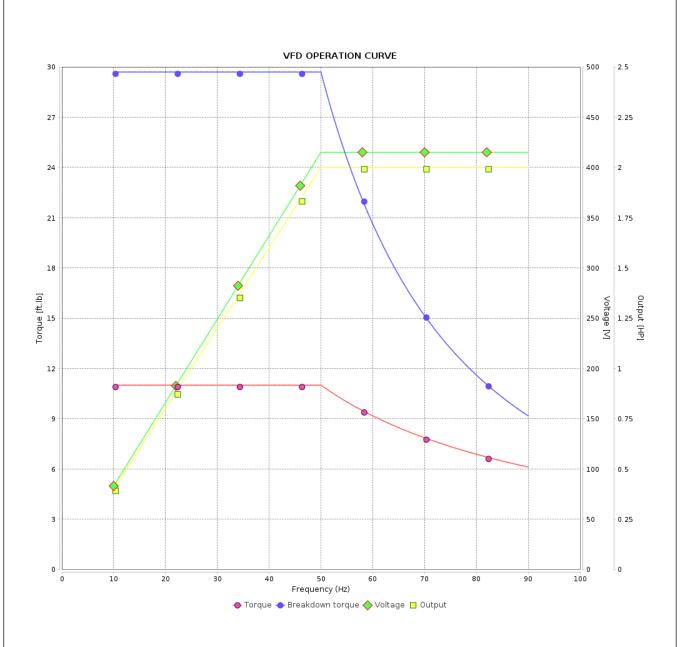
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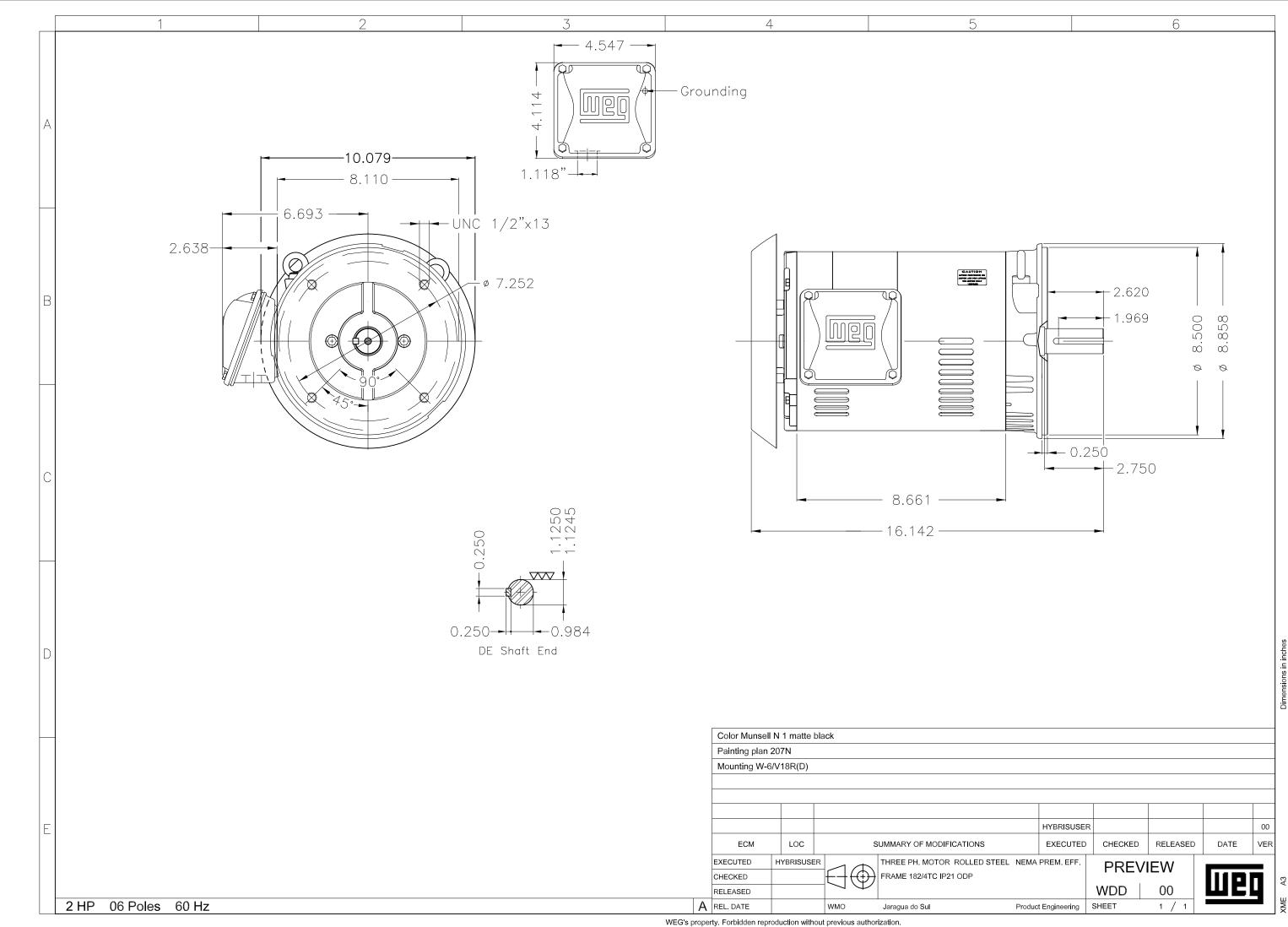
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Performance	: 4′	15 V 50 Hz 6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 11 ue : 2'	36 A 1 1.0 ft.lb 10 % 70 % 55 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.2800 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	b
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W01.TO0IC0X0N MAT: 15608393

MADE IN MÉXICO

Energy Verified

S	HP 2.0	kW 1.5
MODEL 002120T3ER184TC-S	Hz 60	
L 00212	8	182/4TC
MODE	표	FR

2.0	1.5	230/460	5.90/2.95
	Š	>	۷
Hz 60			

Hz 60 HP	3	>	▼
9			00 m.a.s.l

V 23		SFA 6.7	7		 20 Hz
			DES B	CODE J	2.0HP
CONT.	1000 m.a.s.l	F AT 80K	40°C	ODP	NATE RATING:

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1.5	30/460	5.90/2.95	79/3.39
kw 1.		A 5.	SEA 6
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ODE 6205 Inverter duty motor B.96-6.34/3.48-3.36A

8206-ZZ

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ALTER

IEC 60034-1

SF1.00 占 T2-WHT T6-GRY T4-YEL

MOT



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

conformément aux codes électriques locaux et nationaux ann 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

