



Customer information packet

ECP4310T

60HP, 3560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	65.400 A @ 460.0 V 145.000 A @ 208.0 V 131.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	65.4 a

Part detail

Revision	AA
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0224
Layout	617428-036
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.37 IN
Power Factor	91
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4033LUA

NP4033LUA															
CAT #	ECP4310T					SER				CC	010A				
SPEC	P36G401					RATING	40C AMB-CONT								
HZ	VOLTS			AMPS		RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF		
60	230/460			131/65.4		3555	60	G		1.15	B	91 %	94.5 %		
												%	%		
PH	3	CL	F	MAX RPM	4500	MAX CORR KVAR		5							
BRG	DE	6313		ODE	6313	ENCL	TEFC	FR	364TS		IP	55			
GREASE	POLYREX EM							MTR WT	851	LBS					
CL I DIV 2 GRPS A,B,C,D					CL I ZONE 2 GRPS					IIA,IIB,IIC			TEMP T	200	C
INV READY	CT	15-60		HZ	4:1	VT	3-60	HZ	20:1		CHP	60-75	HZ	1.25:1	
INV TEMP CL		200	C	USABLE AT		50HZ 40HP 190/380V 120/65A						SF1.0			
SFA 151/75.5															

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364	60	P	3/60	3555	230/460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
131/65.4	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)
491281	418141005XE	---	---	.0254/.101

PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	14.1	3600	7.60	0	
1/4	15.0	20.9	3589	73.2	92.1	
2/4	30.0	33.6	3579	88.4	94.7	
3/4	45.0	48.8	3567	90.8	95.0	
4/4	60.0	65.4	3555	90.7	94.6	
5/4	75.0	82.7	3542	90.4	94.0	

SPEED TORQUE				
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	205	182	431
PULL UP	1565	178	157	352
BREAKDOWN	3386	232	205	212
FULL LOAD	3555	100	88.6	65.4

AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

TYPICAL DATA

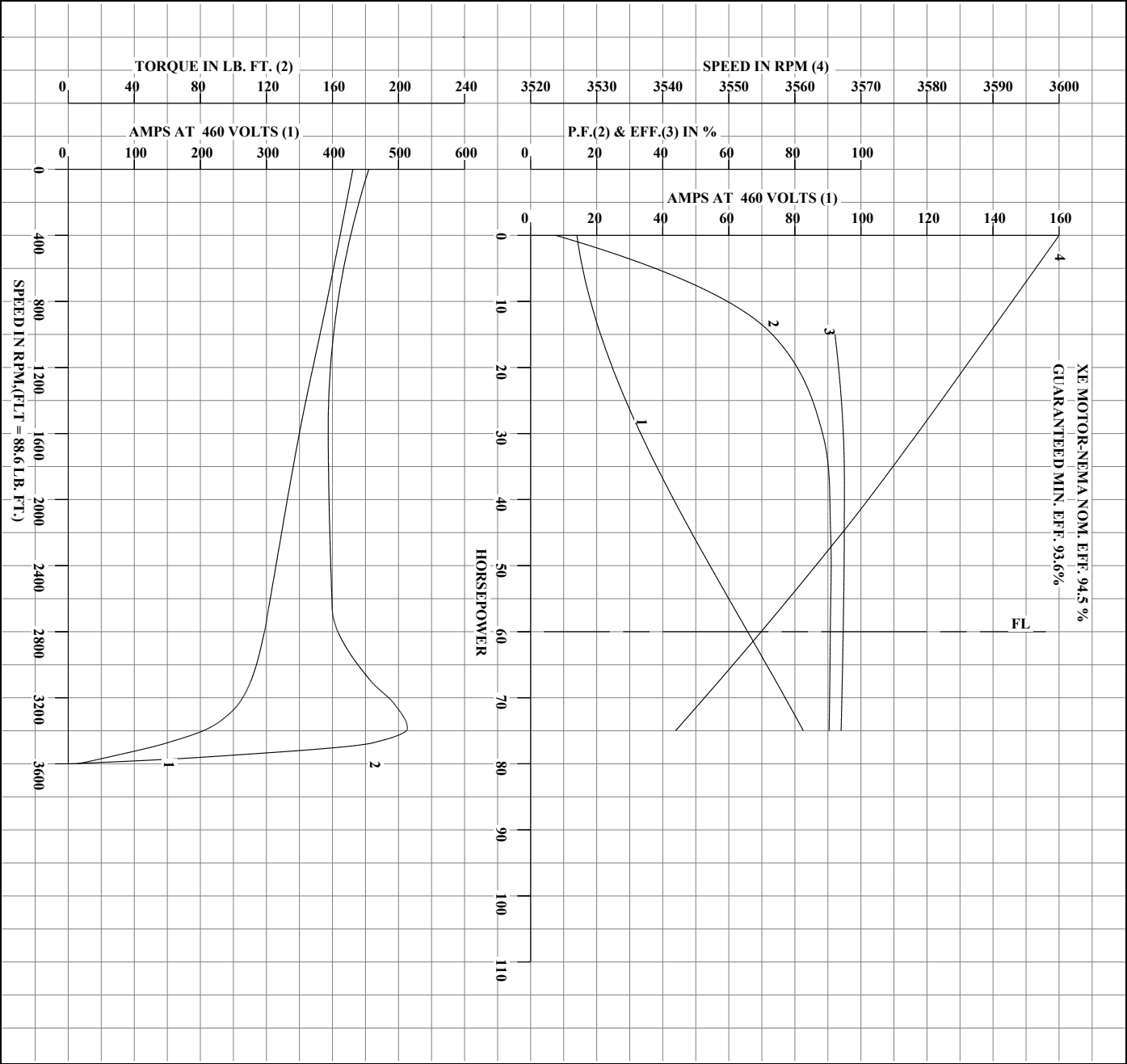
**XE MOTOR-NEMA NOM. EFF. 94.5 %
GUARANTEED MIN. EFF. 93.6%**

	DRAWN BY: <u>W.L.SMITH</u> CHECKED BY: <u>G.R.WEBB</u> APPROVED BY: <u>E.J.CHRISTIAN</u> DATE: <u>03/11/02</u>	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 DATE ISSUED 01/11/22
	AC MOTOR PERFORMANCE DATA		

USERCHR1

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REL.S.O.	FRAME 364	HP 60	TYPE P	PHASE / HERTZ 3/60	RPM 3555	VOLTS 230/460	AMPS 131/65.4	DUTY CONT	AMB °C / INSUL. 40/F	S.F. 1.15	NEMA DESIGN B	CODE LETTER G	ENCLOSURE TEFC	E/S 491281	ROTOR 418141005XE	TEST S.O. TYPICAL DATA	TEST DATE ---	STATOR RES. @ 25°C .0254/.101	OHMS (BETWEEN LINES)
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DRAWN BY: W.L.SMITH
CHECKED BY: G.R.WEBB
APPROVED BY: E.J.CHRISTIAN
DATE: 03/11/02

AC MOTOR
PERFORMANCE
DATA

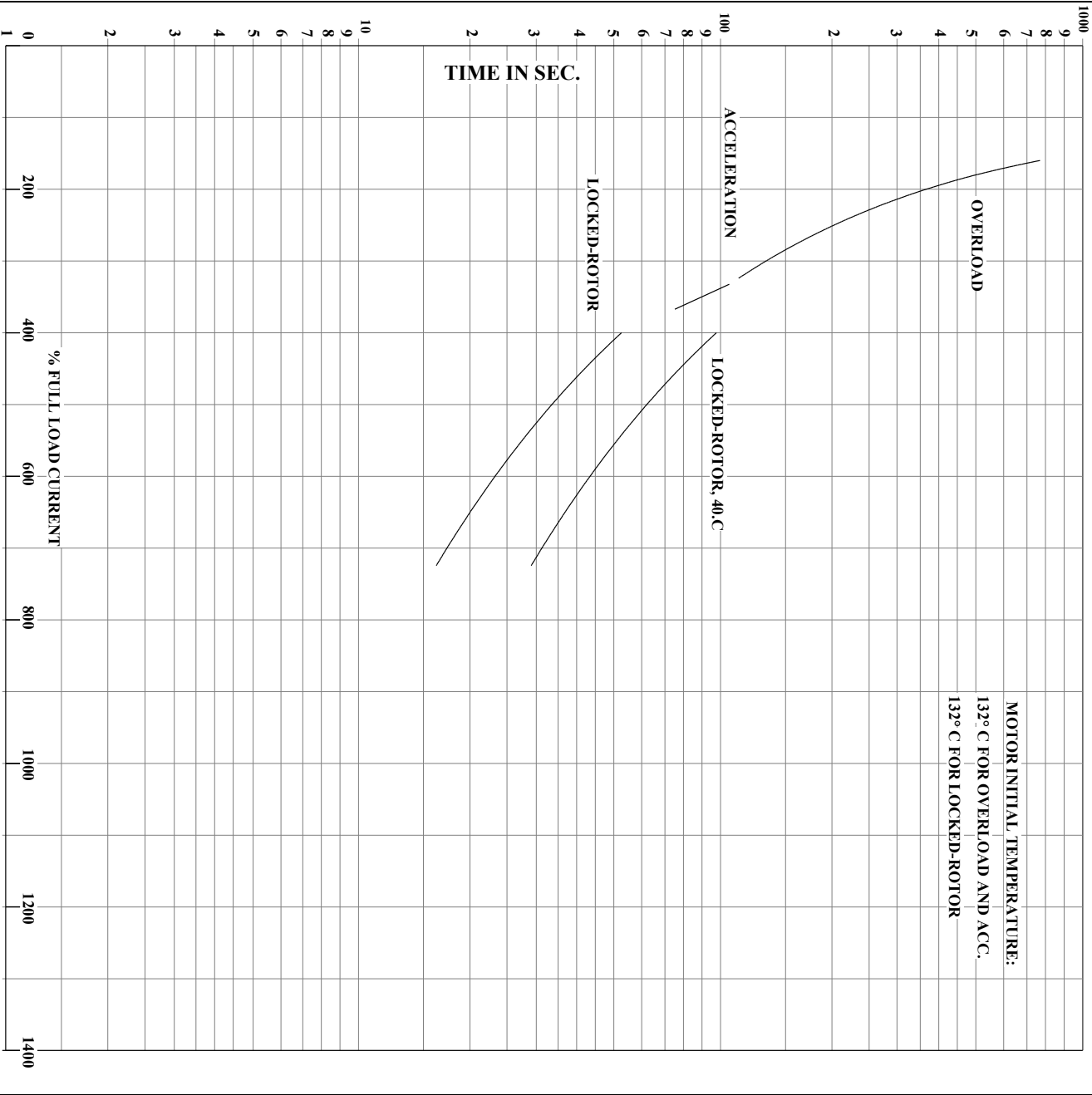
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ISSUE DATE 01/11/22

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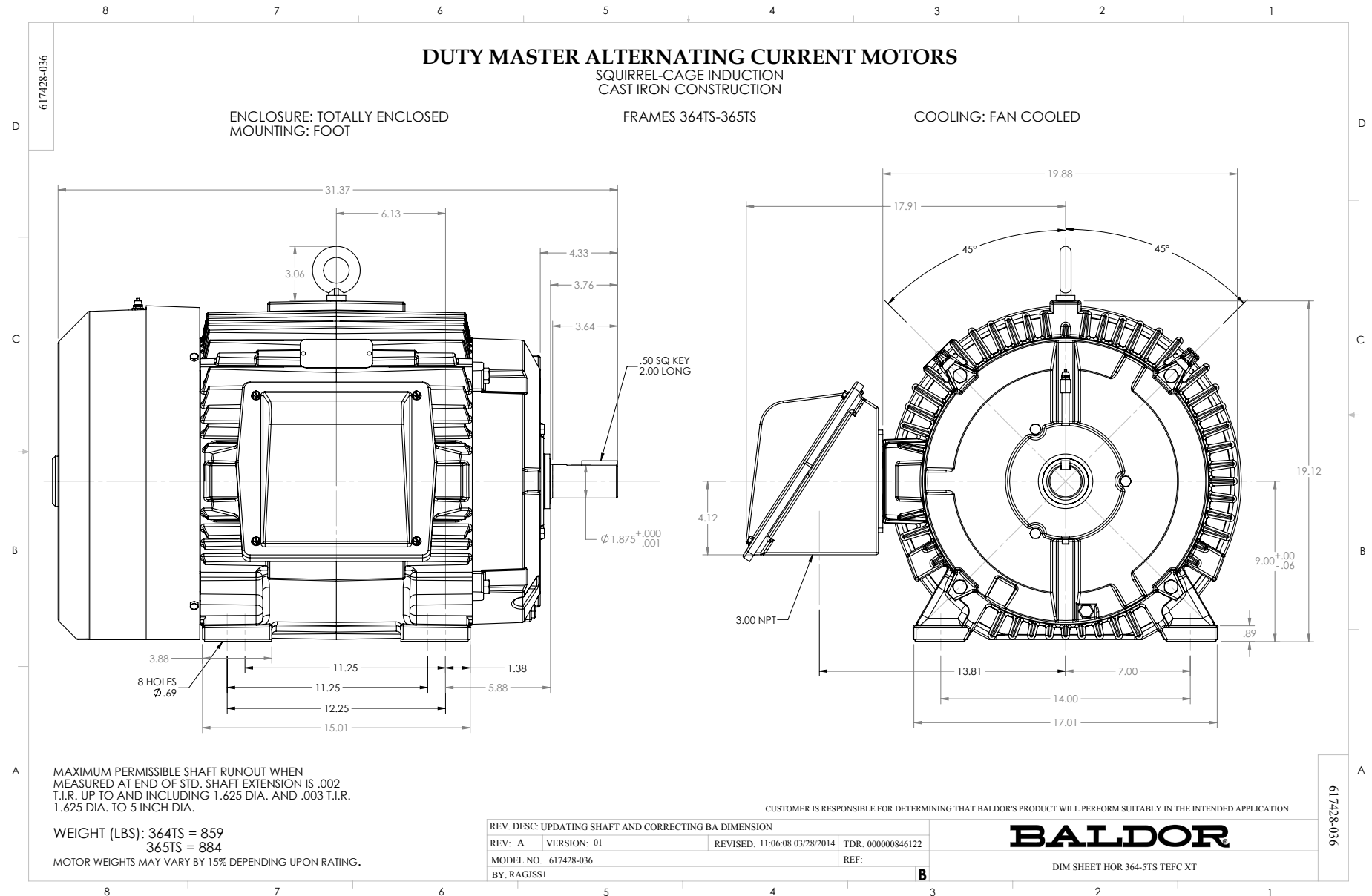
THE THERMAL LIMIT CURVE
FOR THIS MOTOR-NEMA NOM. EFF. 94.5 %

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: W.L. SMITH CHECKED BY: G.R. WEBB APPROVED BY: E.J. CHRISTIAN DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 ISSUE DATE 01/11/22
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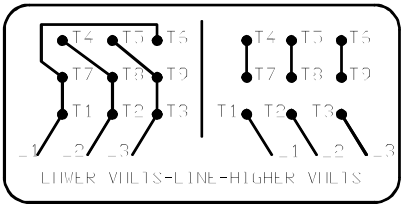
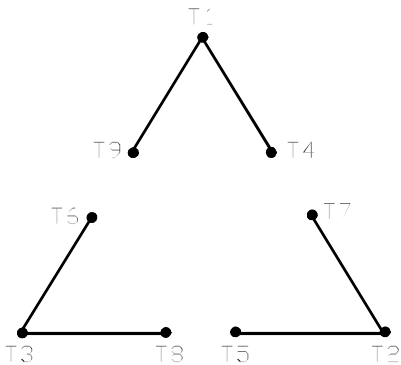
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416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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