



Customer information packet

ECP4313T-4

75HP, 3555RPM, 3PH, 60HZ, 365TS, A36068M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365TS
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	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	10-60
Current @ Voltage	80.700 A @ 460.0 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	80.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F

Part detail

Revision	Y
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0179
Layout	617428-036
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#2
Proprietary	False
Created date	10-19-2010

Lifting Lugs	No Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.37 IN
Power Factor	92
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

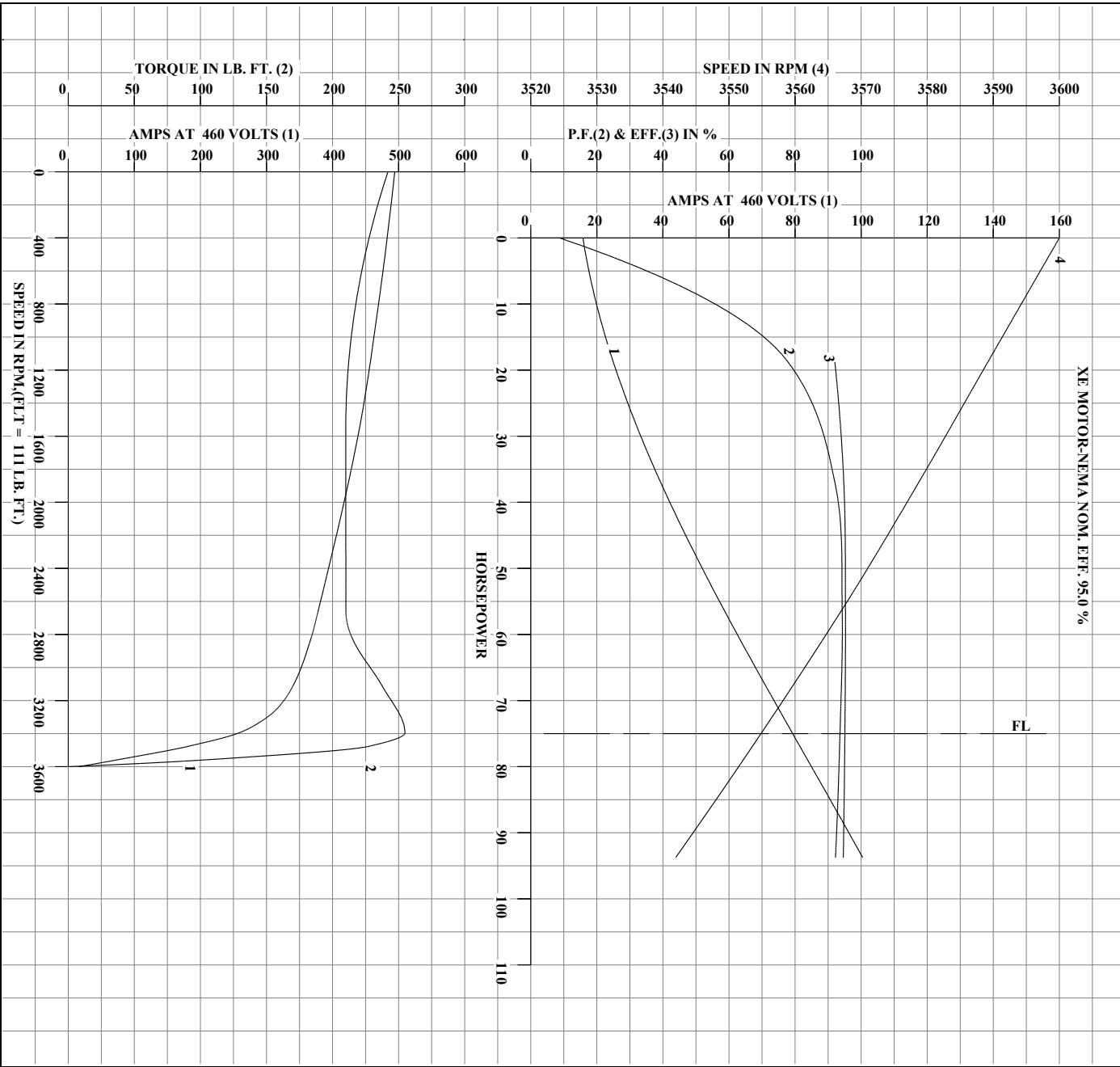
NP4033LUA														
CAT #	ECP4313T-4				SER				CC	010A				
SPEC	P36G398				RATING	40C AMB-CONT								
HZ	VOLTS			AMPS		RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF	
60	460			80.7		3555	75	F		1.15	B	92 %	94.5 %	
												%	%	
PH	3	CL	F	MAX RPM	4500	MAX CORR KVAR		5						
BRG	DE	6313		ODE	6313	ENCL	TEFC	FR	365TS		IP	55		
GREASE	POLYREX EM							MTR WT	959	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	0-60	HZ	1000:1		CHP	60-75	HZ	1.25:1
INV TEMP CL	200	C	USABLE AT 50HZ 60HP 380V 78A								SF1.0			

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365TS	75	P	3/60	3555	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
80.7	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892018	41814100STE	---	---	.0744		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	15.9	3600	8.69	0	
1/4	18.8	24.5	3589	77.9	92.0	
2/4	37.5	40.2	3578	92.2	94.8	
3/4	56.2	58.6	3567	94.3	95.3	
4/4	75.0	78.9	3555	93.6	95.1	
5/4	93.8	101	3542	92.2	94.6	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	218	242	494	
PULL UP		1565	190	210	440	
BREAKDOWN		3395	230	255	259	
FULL LOAD		3555	100	111	78.9	
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. 95.0 %						
		DRAWN BY: G. R. WEBB CHECKED BY: C. E. JAMISON APPROVED BY: C. E. JAMISON DATE: 12/09/15		AC MOTOR PERFORMANCE DATA	A36WG0179-R007 DATE ISSUED 12/18/15	

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REL.S.O.	365TS	RPM	3555	S.F.	1.15	ROTOR	418141005TE
FRAME	75	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	75	AMPS	80.7	CODE LETTER	F	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0744
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	892018	OHMS (BETWEEN LINES)	



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



DRAWN BY: G. R. WEBB
CHECKED BY: C. E. JAMISON
APPROVED BY: C. E. JAMISON
DATE: 12/09/15

AC MOTOR
PERFORMANCE
DATA

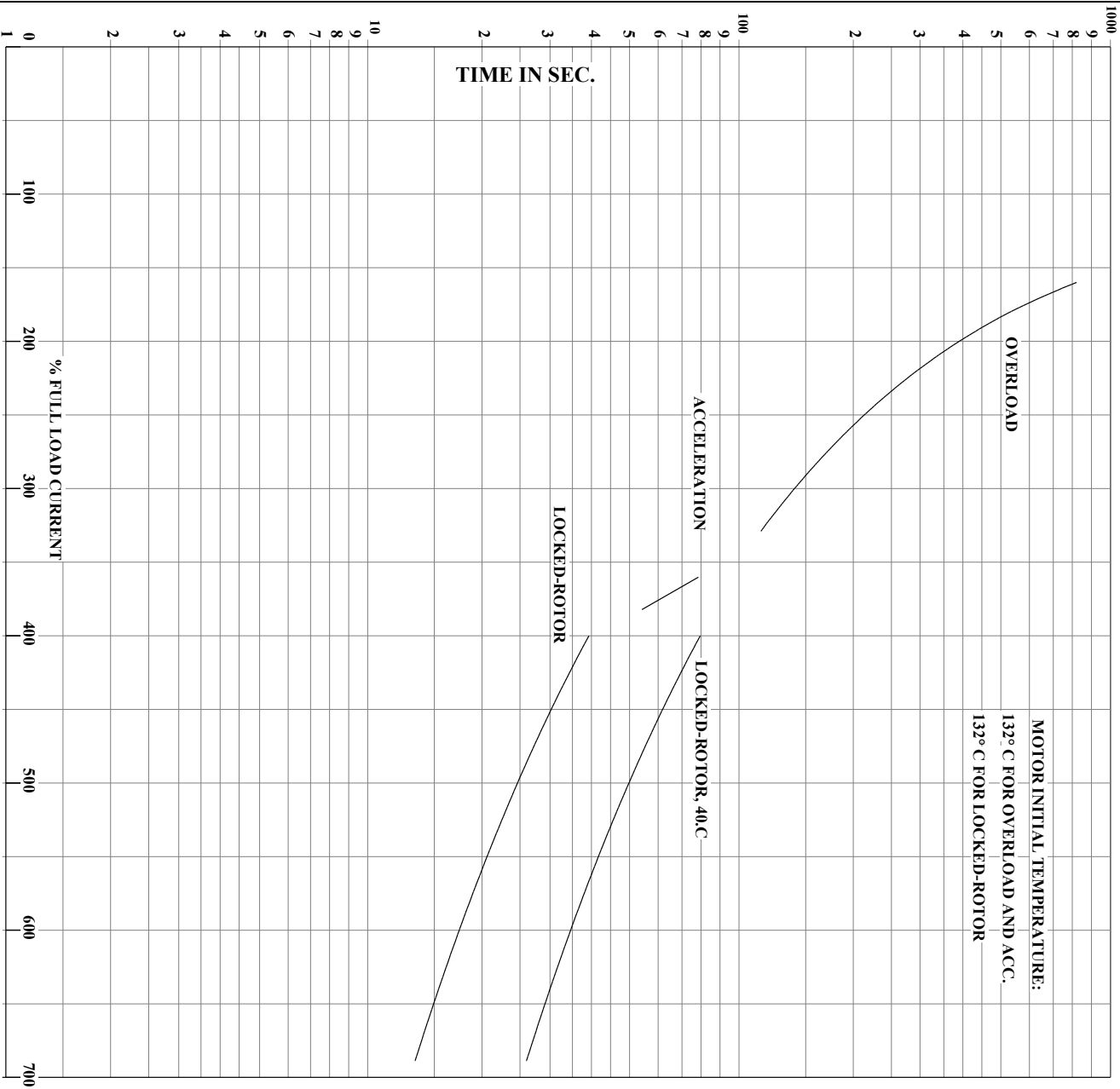
A36W/G0179-R007

ISSUE DATE 12/18/15

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REL.S.O.	RPM 3555	S.F. 1.15	ROTOR 418141005TE
FRAME 365TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 75	AMPS 80.7	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0744
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 892018	OHMS (BETWEEN LINES)



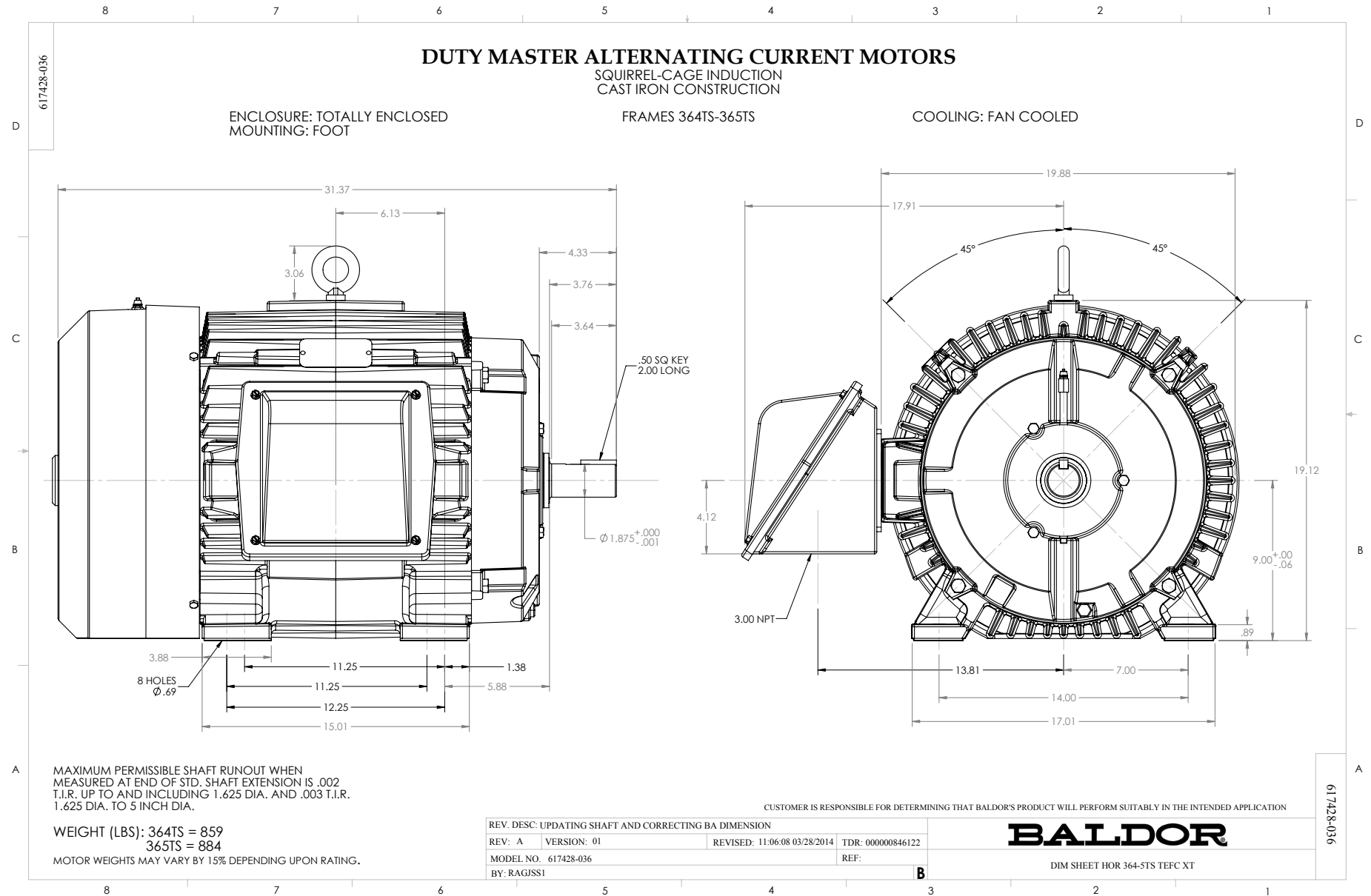
THE THERMAL LIMIT CURVE
FOR MOTOR-NEMA NOM. EFF. 95.0 %

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

	DRAWN BY: G. R. WEBB CHECKED BY: C. E. JAMISON APPROVED BY: C. E. JAMISON DATE: 12/09/15	AC MOTOR PERFORMANCE DATA	A36WG0179-R007 ISSUE DATE 12/8/15
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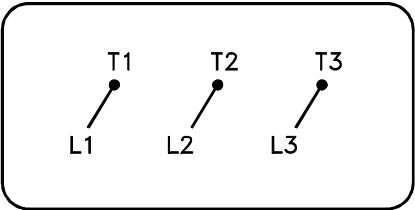
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416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1