



Customer information packet

ECP84313T-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 CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	80.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 a
Insulation Class	F

Part detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0179
Layout	617428-510
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#2
Proprietary	False
Created date	11-27-2018

Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
No Load Current	15.6 a
Number of Poles	2
Overall Length	31.35 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: Connected Standard
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

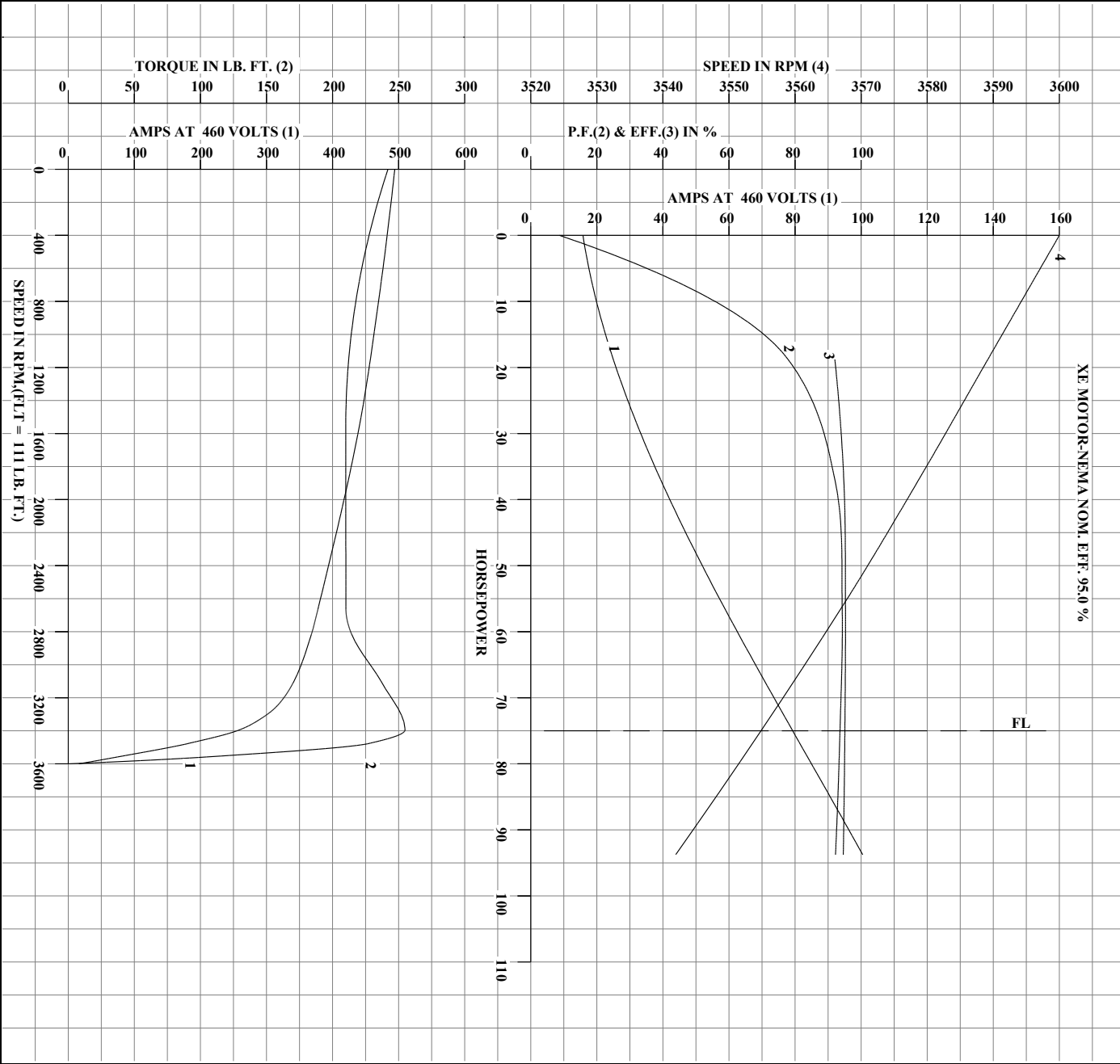
NP4388																
CAT #	ECP84313T-4						FR	365TS		IP56						
SPEC	A36-6000-0179						ENCL	TEFC		DES	B					
HZ	60	PH	3	CL	F	HP	75	SF	1.15	PF	92	%	CODE	F		
VOLTS	460					AMPS	80.7									
RPM	3555		MAX RPM		4500		SER									
NEMA NOM. EFF	94.5		%		RATING		40C AMB-CONT									
GUAR MIN. EFF	93.6		%		BRG DE		6313		BRG ODE		6313					
CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS					IIA,IIB,IIC			TEMP T		3-200		C
CT HZ	15-60		VT HZ		0-60											
CHP HZ	60-75		INV TEMP CL				200		C							
								MTR WT		970		LBS				

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	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)	



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

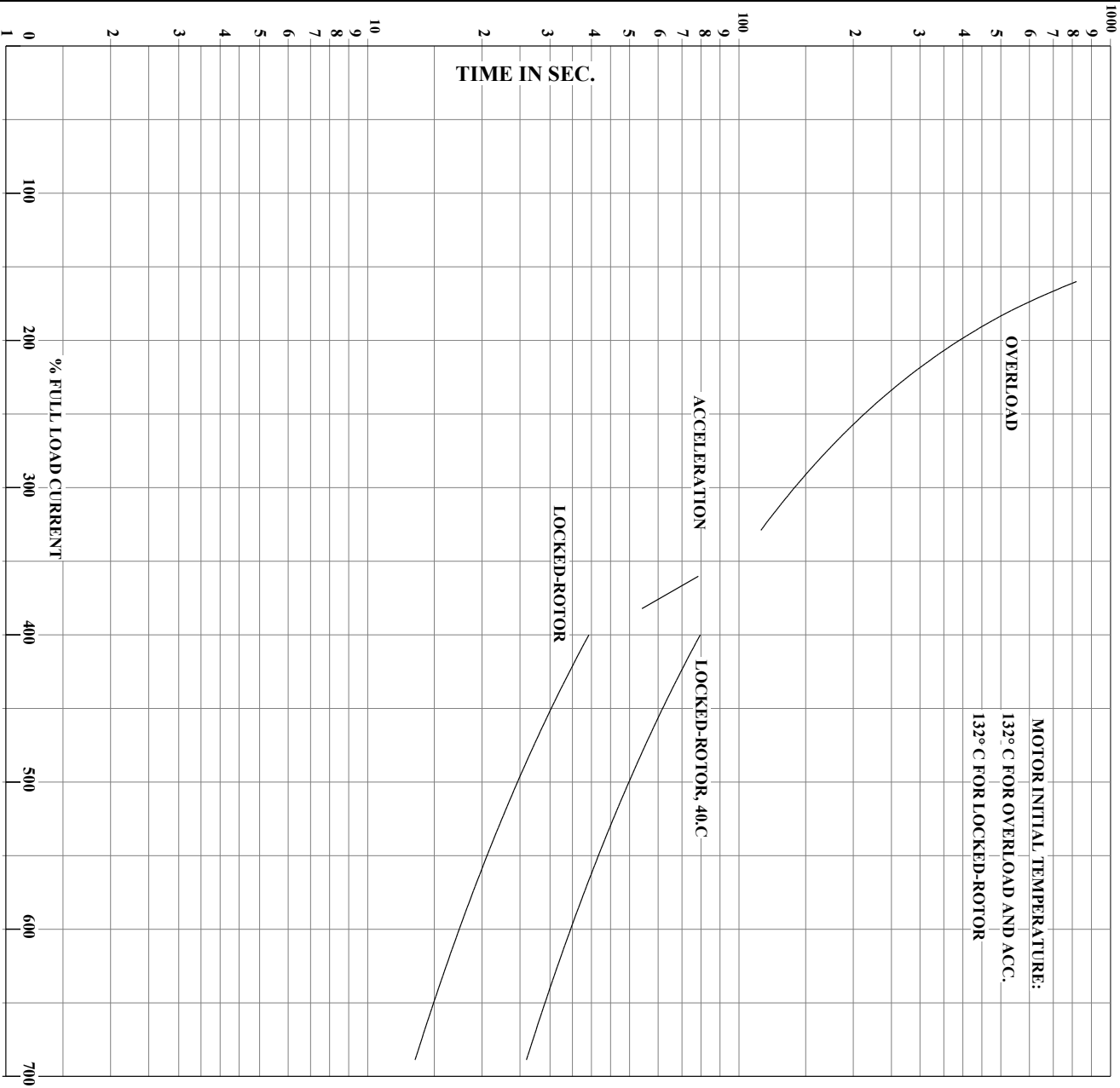
AC MOTOR
PERFORMANCE
DATA

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)



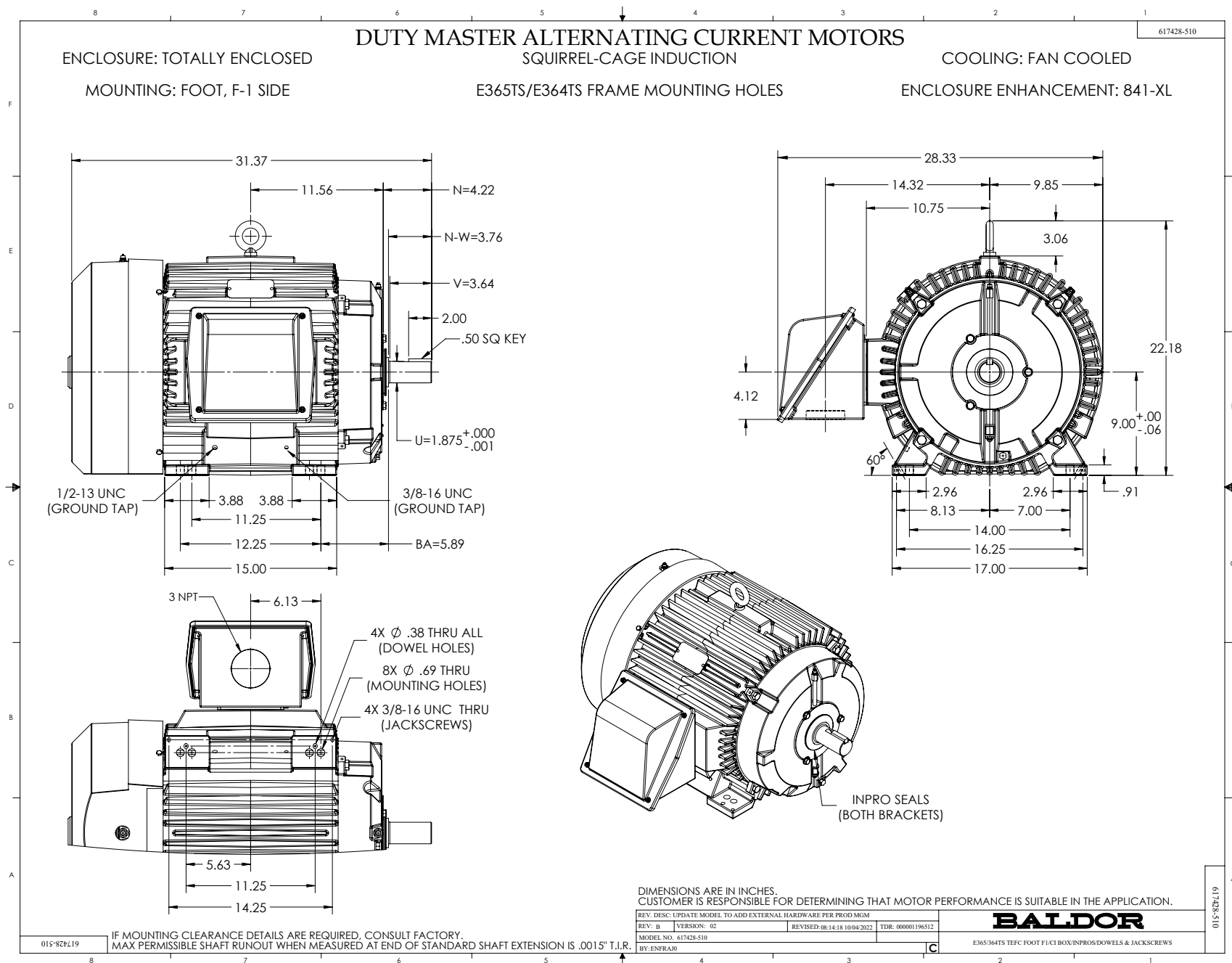
Thermal Limit Curve
XE MOTOR-NEMA NOM. EFF. 95.0 %

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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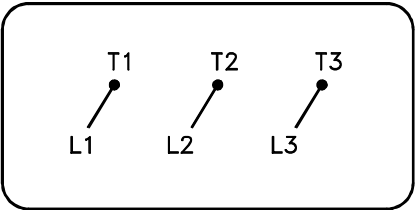
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416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	