



Customer information packet

ECP84310T-5

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	575.0 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	52.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	52.0 a
Insulation Class	F

Part detail

Revision	P
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0456
Layout	617428-510
Eff. date	08-26-2024
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	11-27-2018

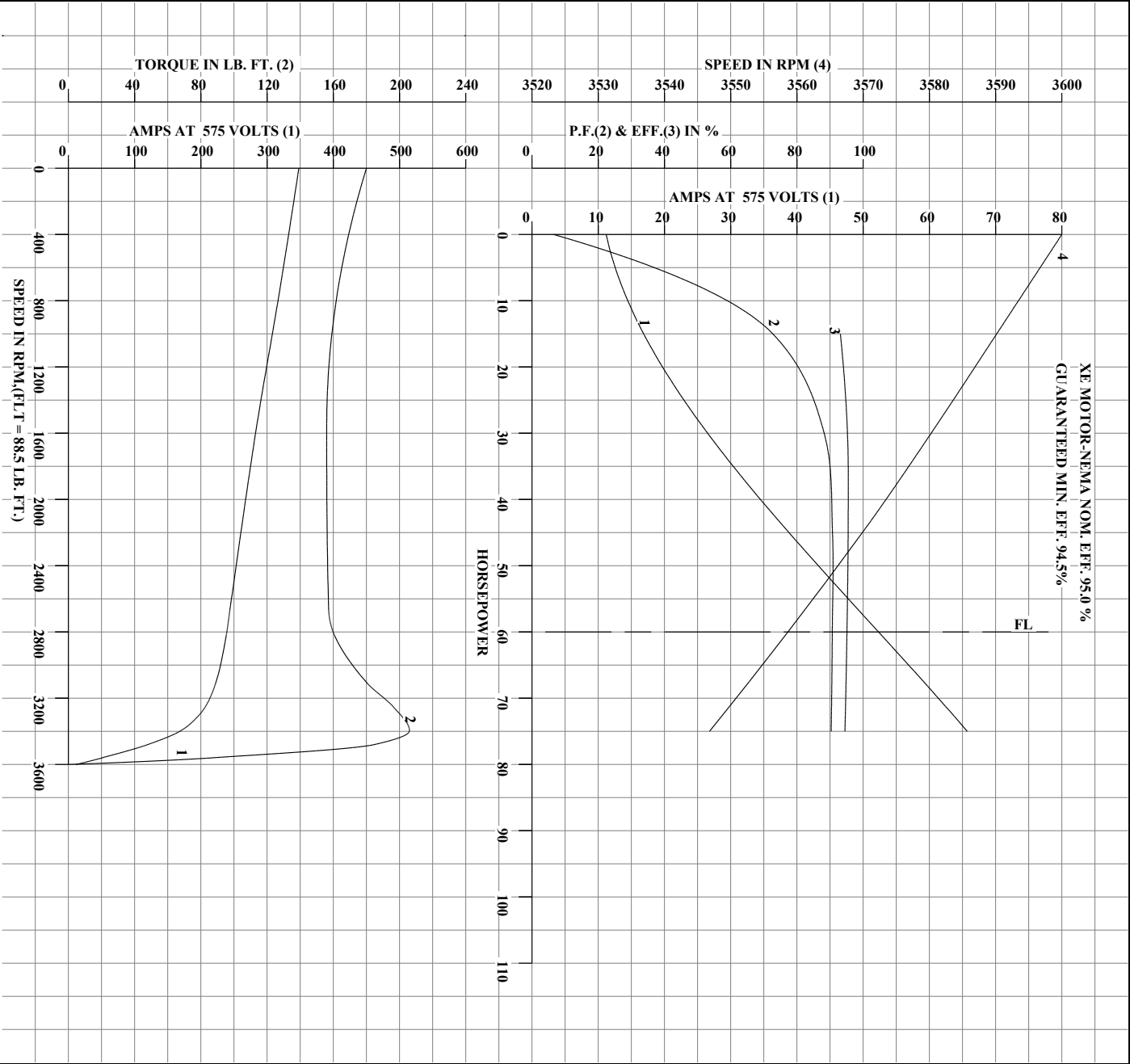
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A36056M
Mounting Arrangement	F1
No Load Current	11.3 a
Number of Poles	2
Overall Length	31.37 IN
Power Factor	91
Pulley 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	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388																
CAT #	ECP84310T-5						FR	364TS			IP56					
SPEC	A36-6000-0456						ENCL	TEFC			DES	B				
HZ	60	PH	3	CL	F	HP	60	SF	1.15	PF	91	%	CODE	G		
VOLTS	575					AMPS	52									
RPM	3560		MAX RPM		4500		SER									
NEMA NOM. EFF	95	%		RATING		40C AMB-CONT										
GUAR MIN. EFF	94.1	%		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		932	LBS					

NP4333									
CAT #	ECP84310T-5		ROTOR BARS		40				
SPEC	A36-6000-0456		STATOR SLOTS		48				
SER			MAX CORR KVAR		5				
GREASE	POLYREX EM								
ABMA DE BRG	65BC03J30X		ODE	65BC03J30X					
SPACE HEATER LEADS H1-H2:	TIE LIKE NUMBERS			TOGETHER					
MAX. SPACE HEATER TEMP.		C	V		A		W		

REL.S.O.	FRAME 364TS	RPM 3560	S.F. 1.15	ROTOR 418141005XE
HP 60		VOLTS 575	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P		AMPS 52	CODE LETTER G	TEST DATE --
PHASE / HERTZ 3/60		DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .159
		AMB °C / INSUL. 40/B	E/S 491284	OHMS (BETWEEN LINES)



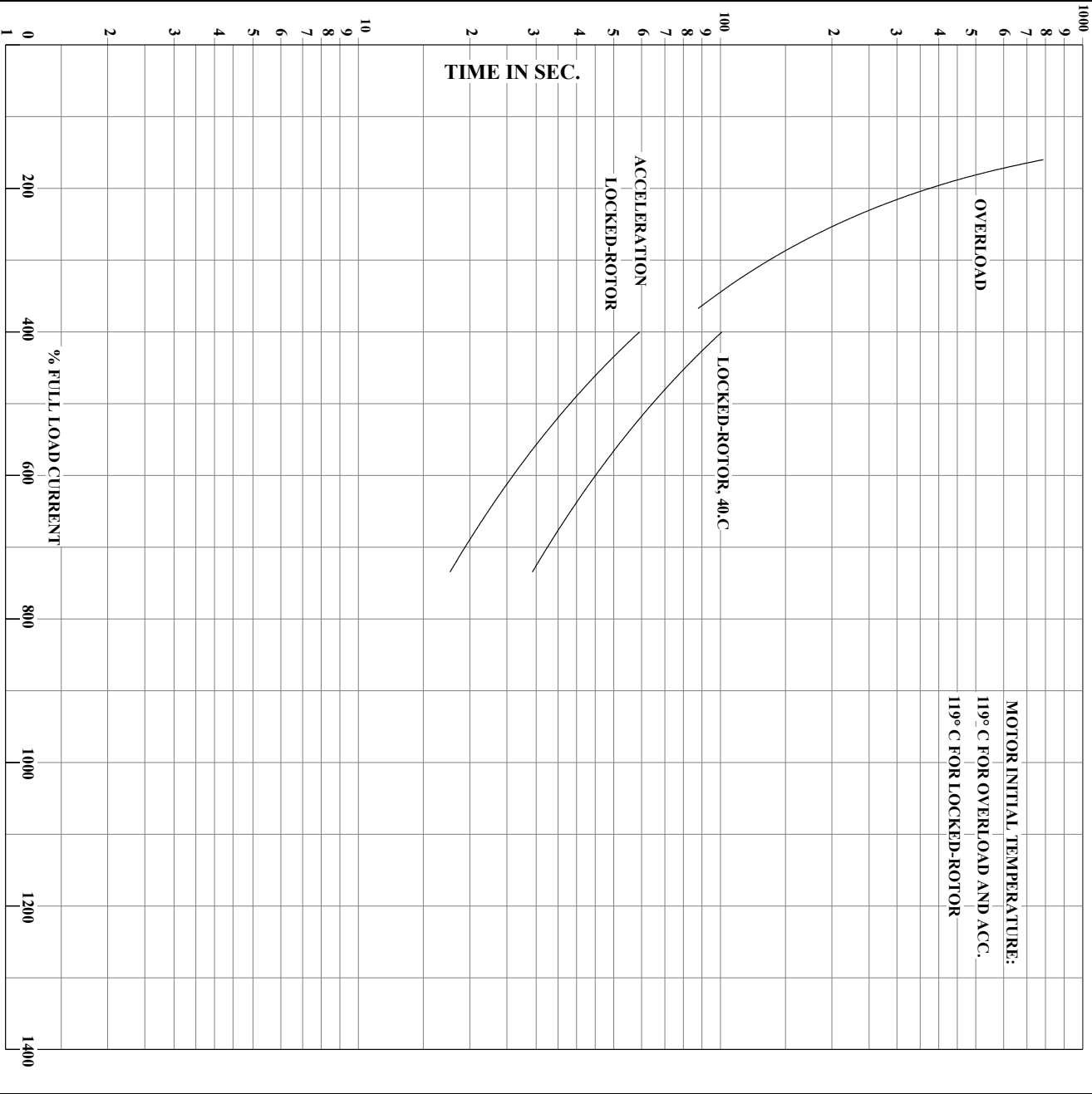
AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: J.J.HARRISON	AC MOTOR PERFORMANCE DATA	A36WG0456-R001
	CHECKED BY: W.J.SMITH APPROVED BY: D.M.BYRD DATE: 01/27/03		

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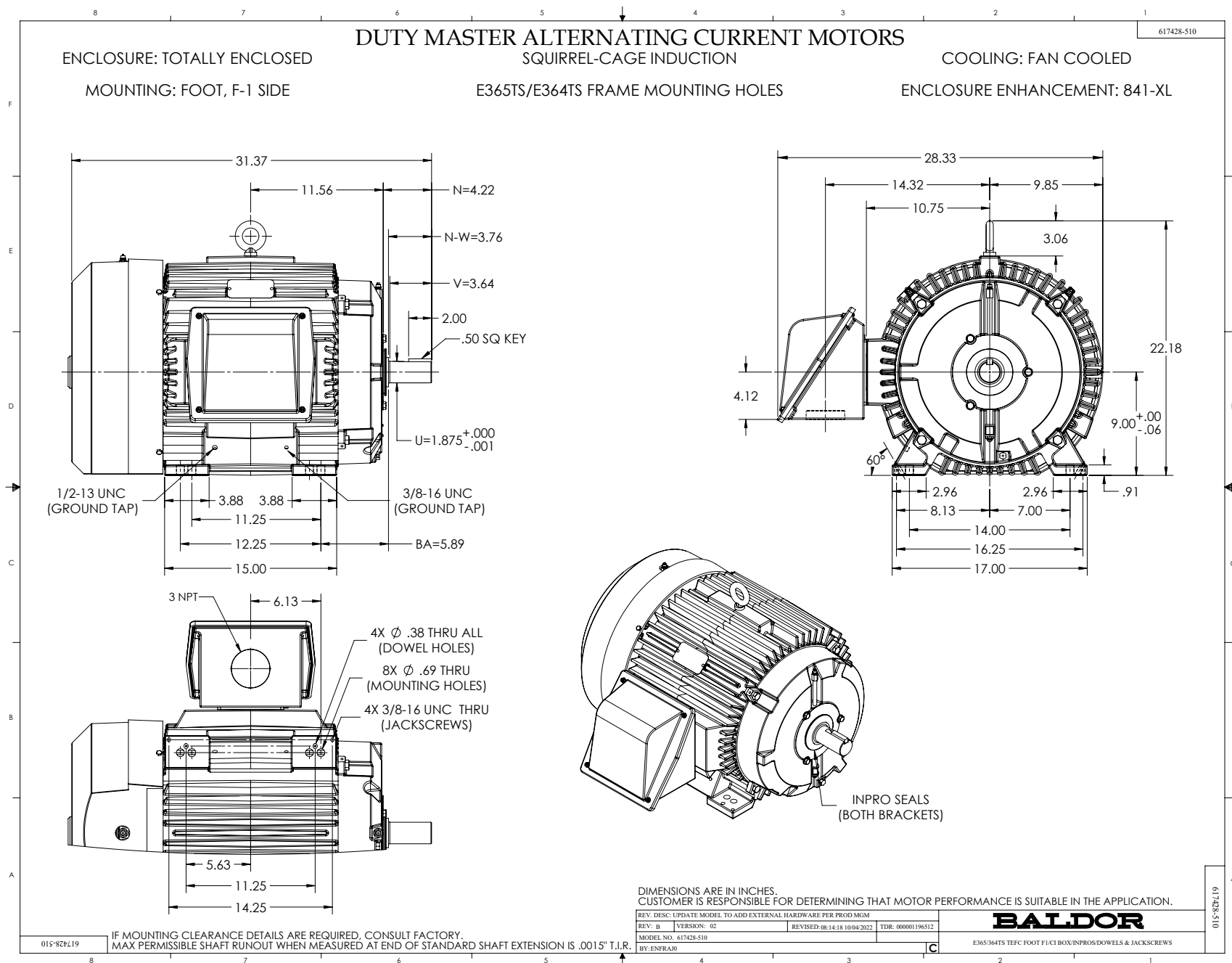
THERMAL LIMIT CURVE

AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

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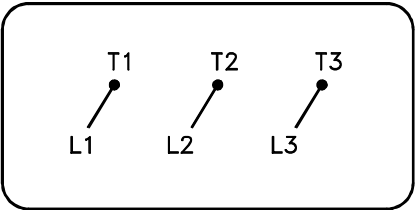
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416820-036

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