



Customer information packet

ECP844306TR-4

300HP, 1190RPM, 3PH, 60HZ, L449T, TEFC, F1

Class - None

Division - Division II

Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	30-60
Current @ Voltage	340.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Frame Prefix	L
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	340.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4970
Layout	617434-820
Eff. date	03-18-2024
CD Diagram	416820-036
Poles	06
Leads	3#2/0 (02 per group)
Proprietary	False
Created date	12-19-2019

Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	60.47 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

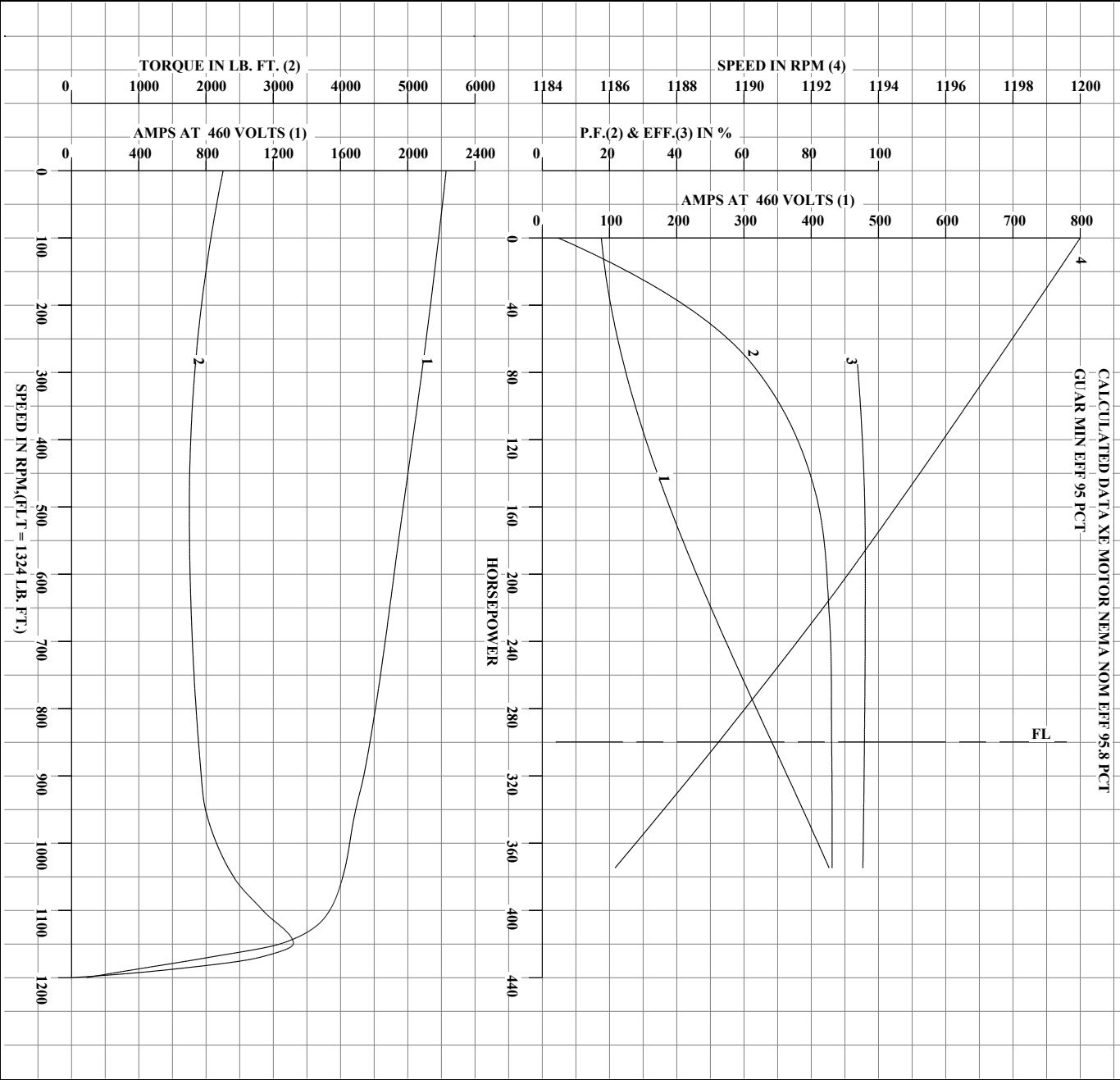
Nameplate

NP2496L	
MOBIL SHC -220 GREASE	

NP4566

CAT NO	ECP844306TR-4		SPEC NO.		A44-8814-4970							
HP	300	AMPS	340		VOLTS		460		DESIGN		B	
FRAME SIZE	L449T	RPM	1190	HZ	60	AMB	40	SF	1.00			
D.E. BRG.DATA	NU222	O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	110RU02M30X		TYPE	ENCL	TEFC	CODE	G					
O.D.E. BRG.	90BC03J30X		POWER FACTOR			86		NEMA-NOM-EFFICIENCY			95.8	
3/4 LOAD EFF.	96.1	IP	56	MAX CORR KVAR			61	GUARANTEED EFFICIENCY			95	
TEMP CODE	T3	TEMP =	200									
CHP HZ	60-90	CT HZ	30-60	VT HZ	0-60							
INVERTER-TEMP-CODE	T3											
SER.NO.				MOTOR WEIGHT								

REL.S.O.	FRAME L449T	HP 300	TYPE P	PHASE / HERTZ 3/60	RPM 1190	VOLTS 460	AMPS 340	DUTY CONT	AMB °C / INSUL. 40/F	S.F. 1.00	NEMA DESIGN B	CODE LETTER G	ENCLOSURE TEFC	E/S 401936	ROTOR 418143-087-SE	TEST S.O. TYPICAL DATA	TEST DATE --	STATOR RES. @ 25°C .0136	OHMS (BETWEEN LINES)
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AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DRAWN BY: E.J. CHRISTIAN
CHECKED BY: T. KELATI
APPROVED BY: E.J. CHRISTIAN
DATE: 11/08/2013

AC MOTOR
PERFORMANCE
DATA

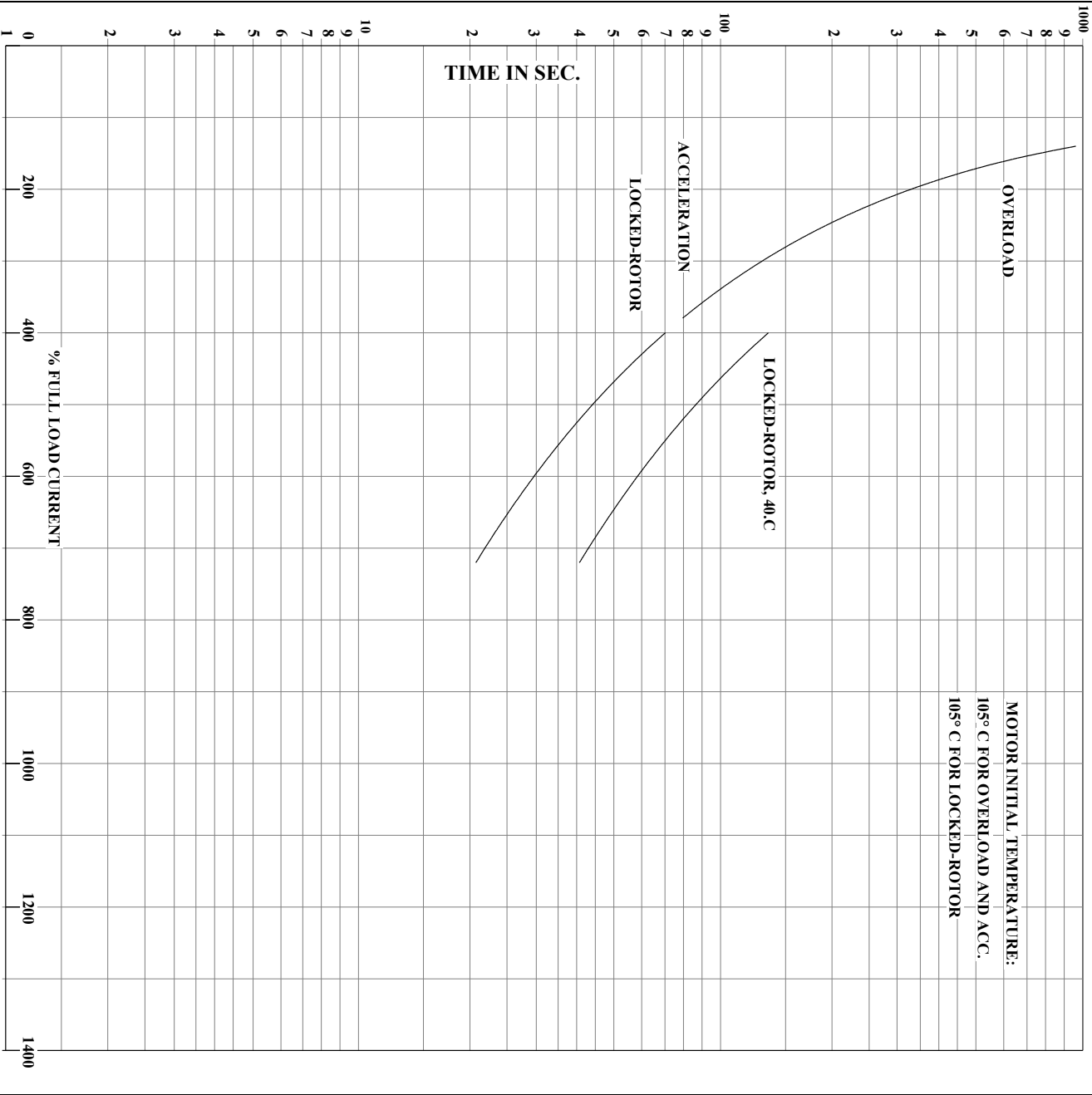
A44WG4970-R009

ISSUE DATE 12/17/19

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REL.S.O.	RPM 1190	S.F. 1.00	ROTOR 418143-087-SE
FRAME L449T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 300	AMPS 340	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0136
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 401936	OHMS (BETWEEN LINES)



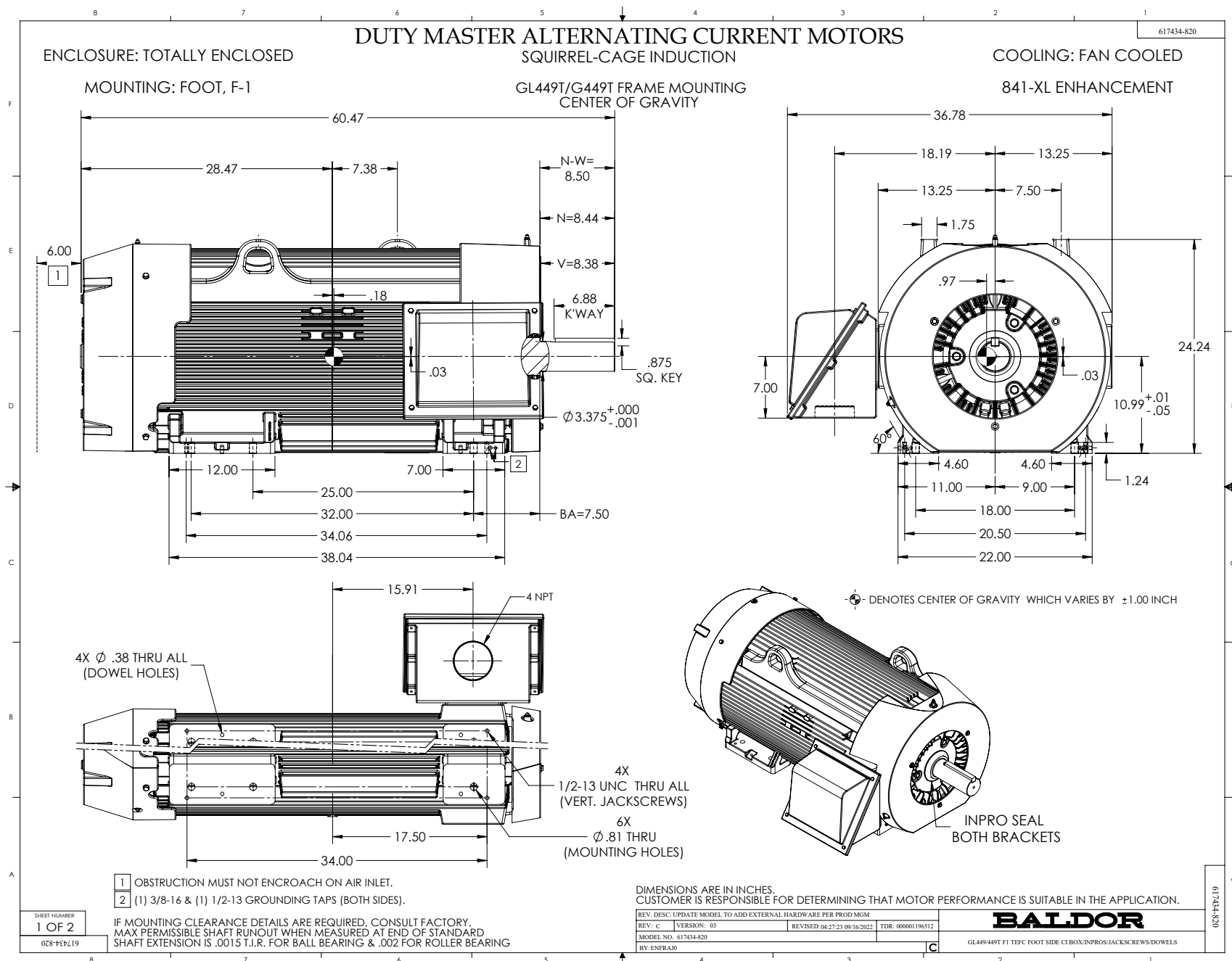
Thermal Limit Curve
Calculated Data NE Motor NEMA Nom Eff 95.8 PCT

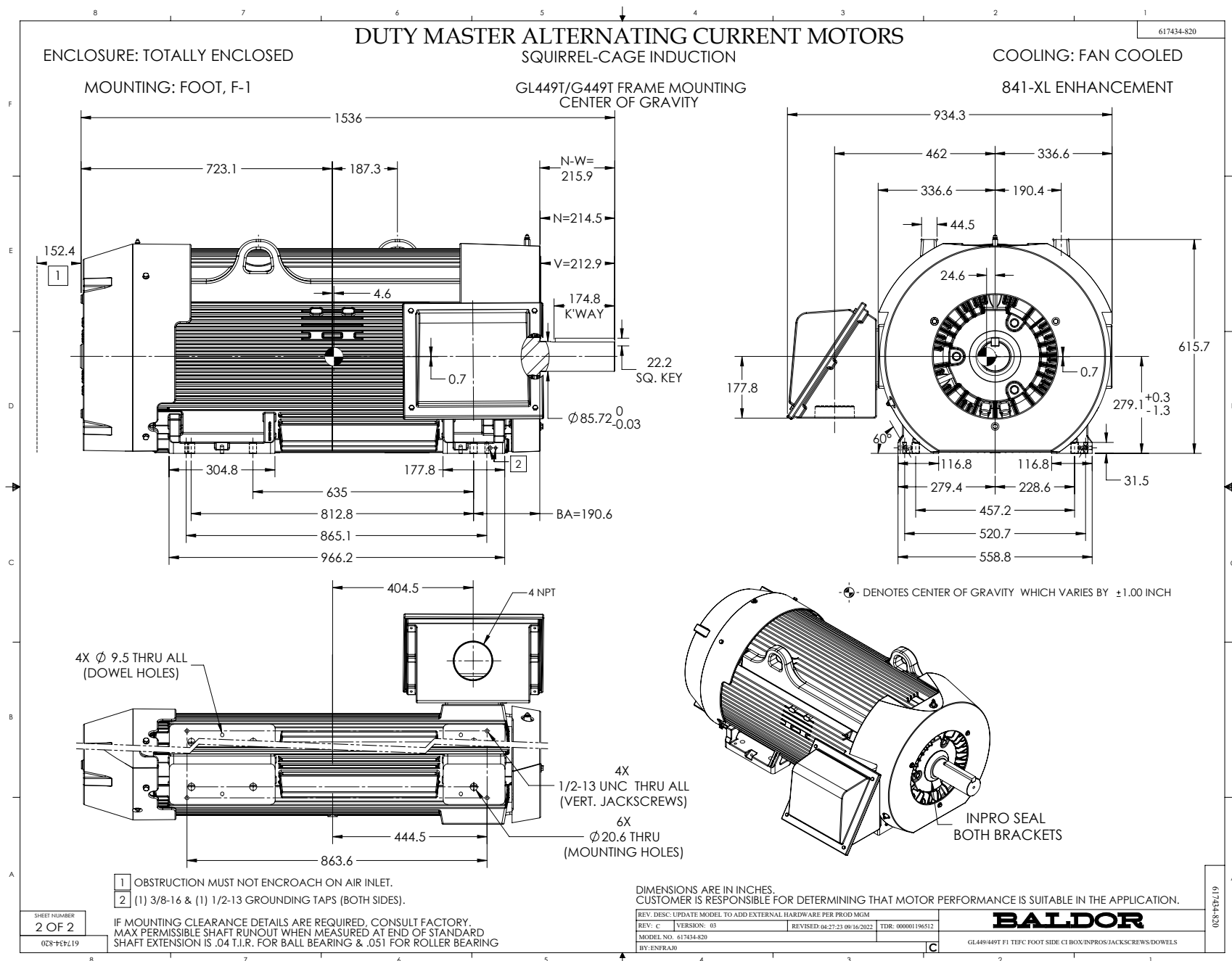
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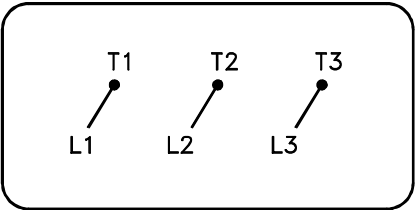
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416820-036

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	