



Customer information packet

ECP84410TR-4

125HP, 1785, 3PH, 60HZ, 444T, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	444T
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	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	10-60
Current @ Voltage	144.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	144.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56
KVA Code	G

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3870
Layout	617434-660
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0
Proprietary	False
Created date	08-06-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	None
Motor Type	A44076M
Mounting Arrangement	F1
No Load Current	44.8 a
Number of Poles	4
Overall Length	44.97 IN
Power Factor	85
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

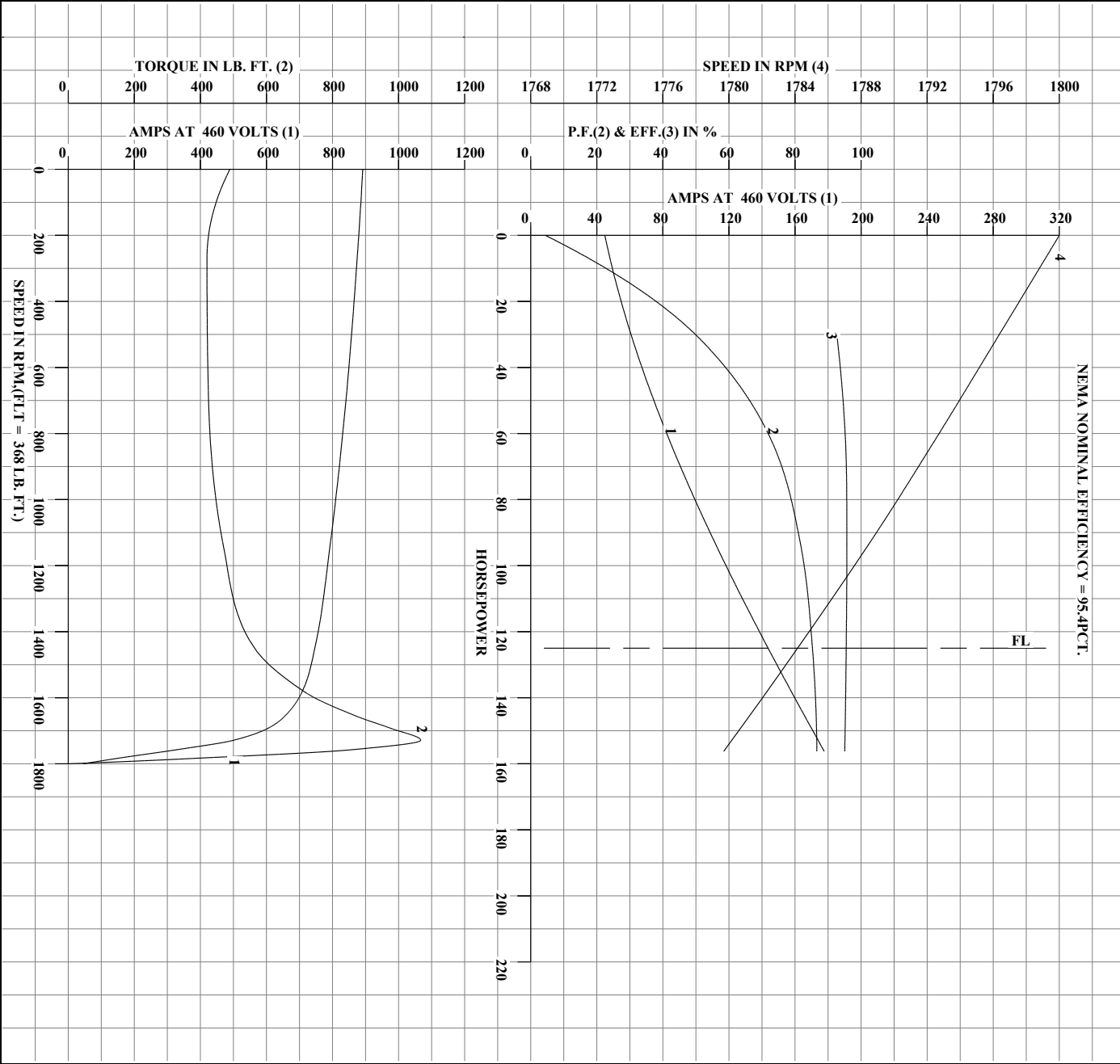
Nameplate

NP4566															
CAT NO	ECP84410TR-4			SPEC NO.		A44-9303-3870									
HP	125	AMPS		144		VOLTS		460		DESIGN		B			
FRAME SIZE	444T	RPM		1785		HZ		60	AMB		40	SF	1.15		
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			85		NEMA-NOM-EFFICIENCY			95.4			
3/4 LOAD EFF.	95.8	IP	56	MAX CORR KVAR			27		GUARANTEED EFFICIENCY			94.5			
TEMP CODE	T3	TEMP =		200											
CHP HZ	60-90	CT HZ	10-60	VT HZ		0-60									
INVERTER-TEMP-CODE	T3														
SER.NO.				MOTOR WEIGHT											

000613007EX

CAT NO	ECP84410TR-4	SPEC NO.	A44-9303-3870	
NO. ROTOR BARS	58	GREASE TYPE	MOBIL SHC 220	
NO. SLOTS	72	NL AMPS AT RATED VOLTAGE		44.8
5 YEAR WARRANTY		WINDING RES @25 C	.03840	OHMS
MFG. DATE		SER.NO		

REL.S.O.	444	RPM	1785	S.F.	1.15	ROTOR	418143052KE
FRAME	444	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	125	AMPS	144	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0383
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	498834	OHMS (BETWEEN LINES)	



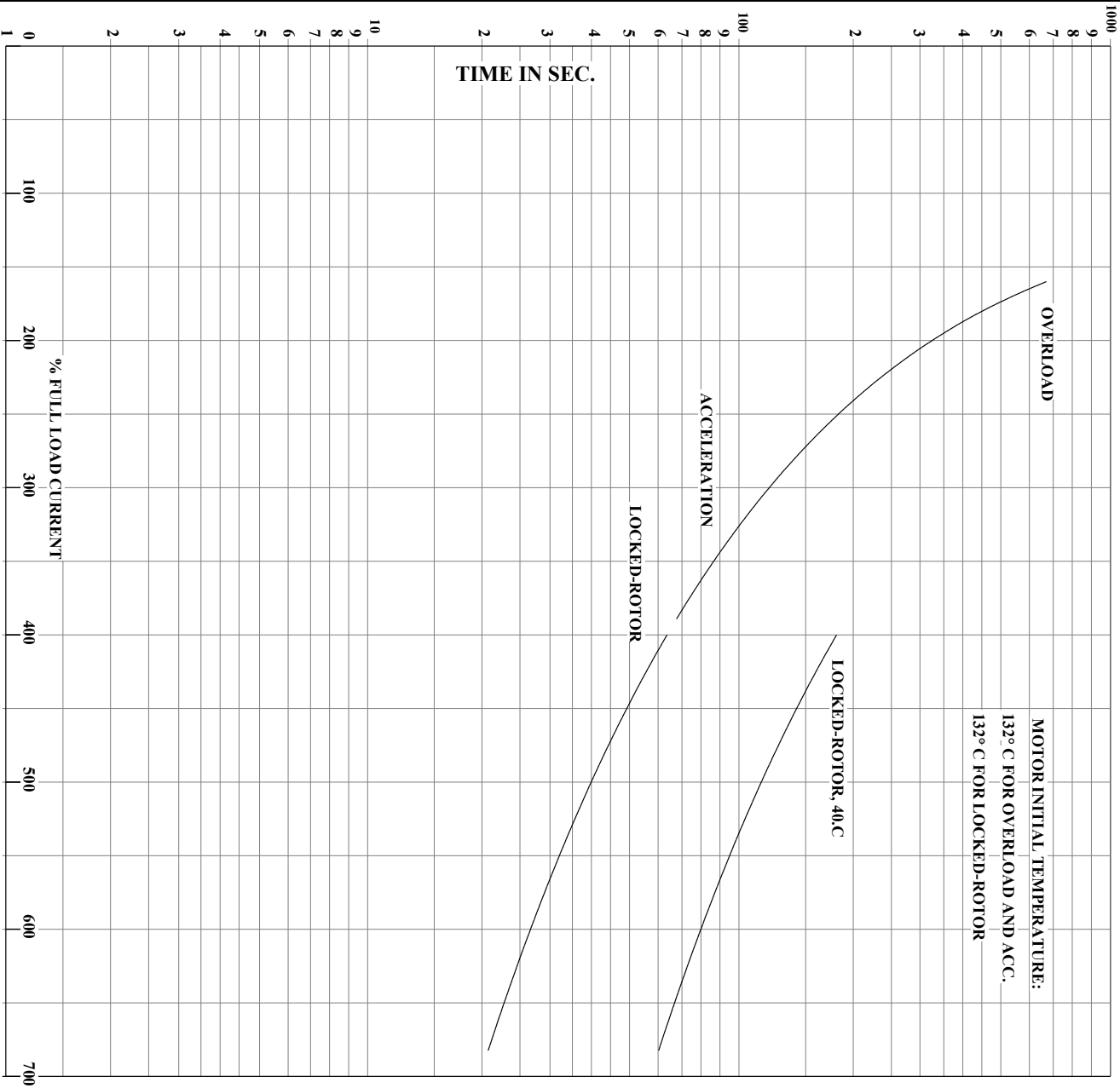
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: <u>CD</u>	AC MOTOR PERFORMANCE DATA	A44WG3870-R001
	CHECKED BY: <u>CD</u> APPROVED BY: <u>R. MCELVEEN</u> DATE: <u>1/18/11</u>		

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REL.S.O.	RPM 1785	S.F. 1.15	ROTOR 418143052KE
FRAME 444	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125	AMPS 144	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0383
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 498834	OHMS (BETWEEN LINES)



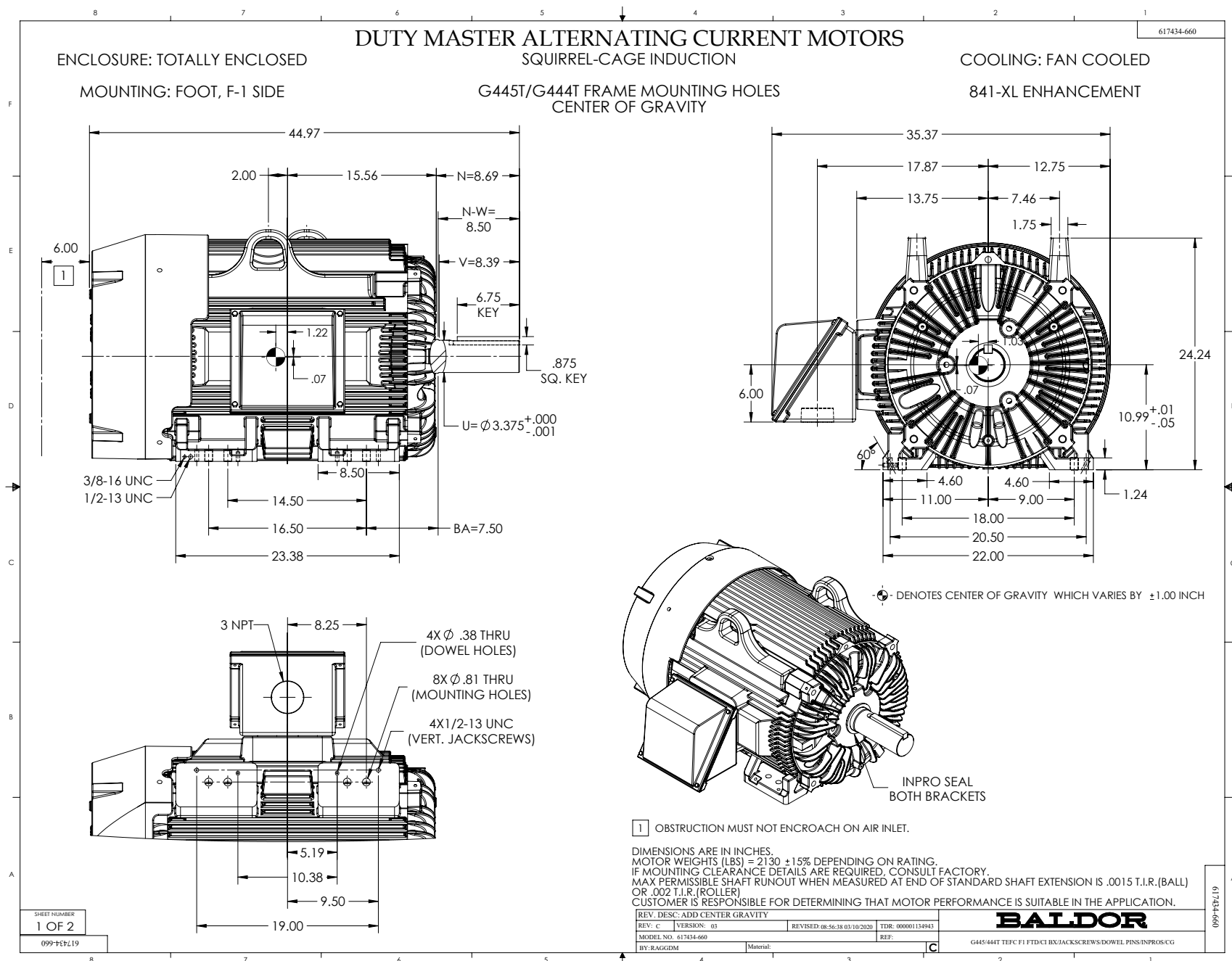
Thermal Limit Curve
NEMA Nominal Efficiency = 95.4PCT.

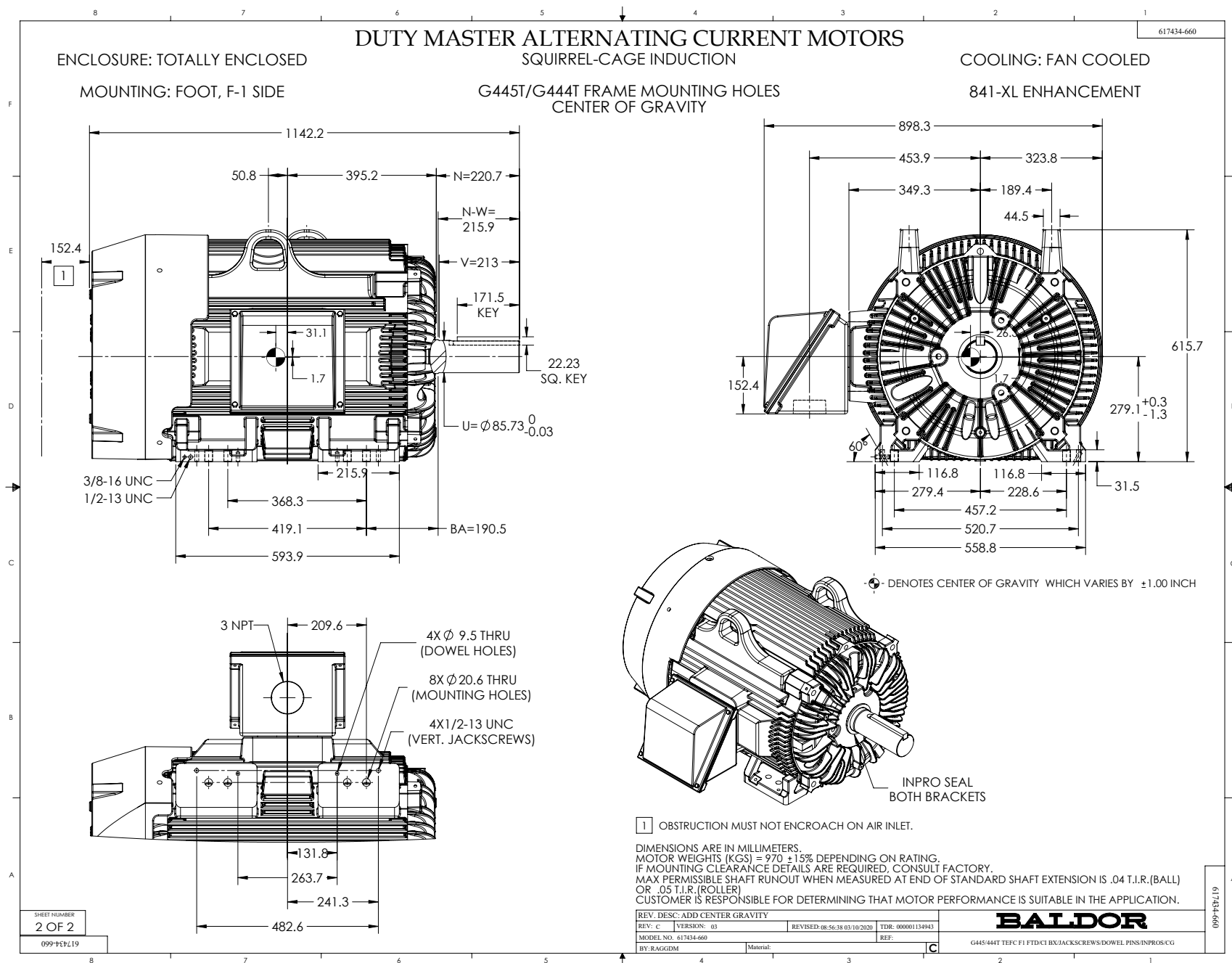
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	DRAWN BY: CD CHECKED BY: CD APPROVED BY: R. MCELVEEN DATE: 1/18/11	AC MOTOR PERFORMANCE DATA	A44WCG3870-R001 ISSUE DATE 05/04/21
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416820-036

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