



Customer information packet

ECP84411T-5

125HP, 1190RPM, 3PH, 60HZ, 445T, A44090M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	445T
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	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US UR
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	117.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	117.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6729
Layout	617434-660
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	06
Leads	3#2
Proprietary	False
Created date	03-23-2022

Motor Standards	None
Motor Type	A44090M
Mounting Arrangement	F1
No Load Current	36.2 a
Number of Poles	6
Overall Length	44.97 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
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

NP4566													
CAT NO	ECP84411T-5			SPEC NO.		A44-0000-6729							
HP	125	AMPS	117		VOLTS		575		DESIGN	B			
FRAME SIZE	445T	RPM	1190		HZ	60	AMB	40	SF	1.15			
D.E. BRG.DATA	6318		O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	90BC03J30X			TYPE	ENCL	TEFC	CODE	G					
O.D.E. BRG.	90BC03J30X			POWER FACTOR			84		NEMA-NOM-EFFICIENCY			95.0	
3/4 LOAD EFF.	95.4	IP	56	MAX CORR KVAR			15.87		GUARANTEED EFFICIENCY			94.1	
TEMP CODE	T3	TEMP =	200										
CHP HZ	60-90	CT HZ	15-60		VT HZ	0-60							
INVERTER-TEMP-CODE	T3												
SER.NO.				MOTOR WEIGHT									

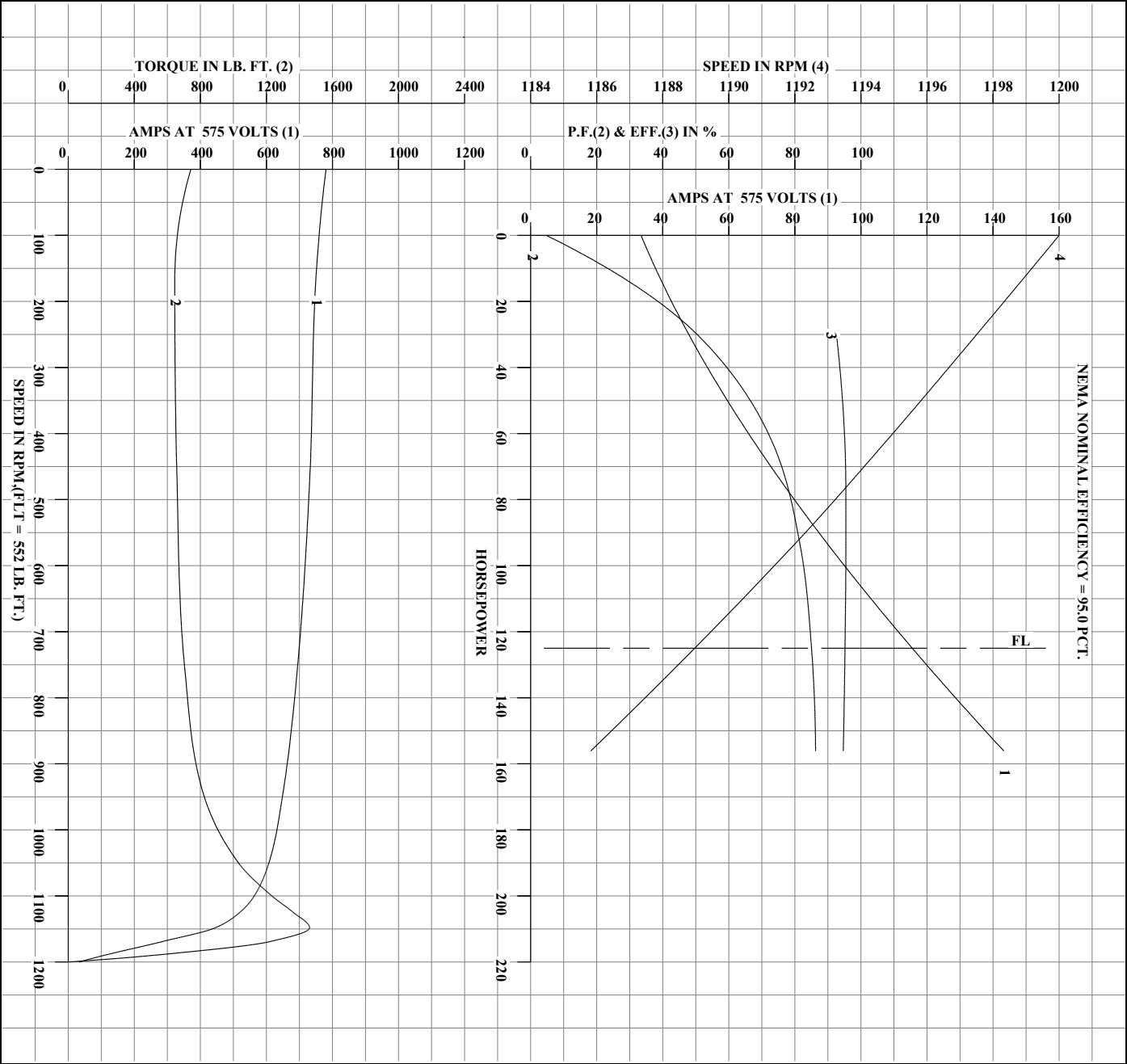
000613007EX				
CAT NO	ECP84411T-5	SPEC NO.	A44-0000-6729	
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		36.2
5 YEAR WARRANTY		WINDING RES @25 C	.0671	OHMS
MFG. DATE		SER.NO		

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	125	P	3/60	1190	575
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
117	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143088EE	---	---	.0670		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	33.3	1200	4.75	0	
1/4	31.3	48.9	1197	51.7	92.7	
2/4	62.5	67.3	1195	73.1	95.1	
3/4	93.7	90.1	1192	81.6	95.4	
4/4	125	116	1189	85.0	95.2	
5/4	156	143	1186	86.3	94.7	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	134	742	780	
PULL UP		168	117	645	750	
BREAKDOWN		1148	265	1461	445	
FULL LOAD		1189	100	552	116	
AMPERES SHOWN FOR 575 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.0 PCT.						
		DRAWN BY: W.L. SMITH CHECKED BY: C.E. JAMISON APPROVED BY: W.L. SMITH DATE: 12/27/23		AC MOTOR PERFORMANCE DATA	A44WG6729-R001 DATE ISSUED 12/27/23	

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REL.S.O.	445T	RPM	1190	S.F.	1.15	ROTOR	418143088EE
FRAME	445T	VOLTS	575	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	125	AMPS	117	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0670
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	-	OHMS (BETWEEN LINES)	



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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CHECKED BY: C.E. JAMISON
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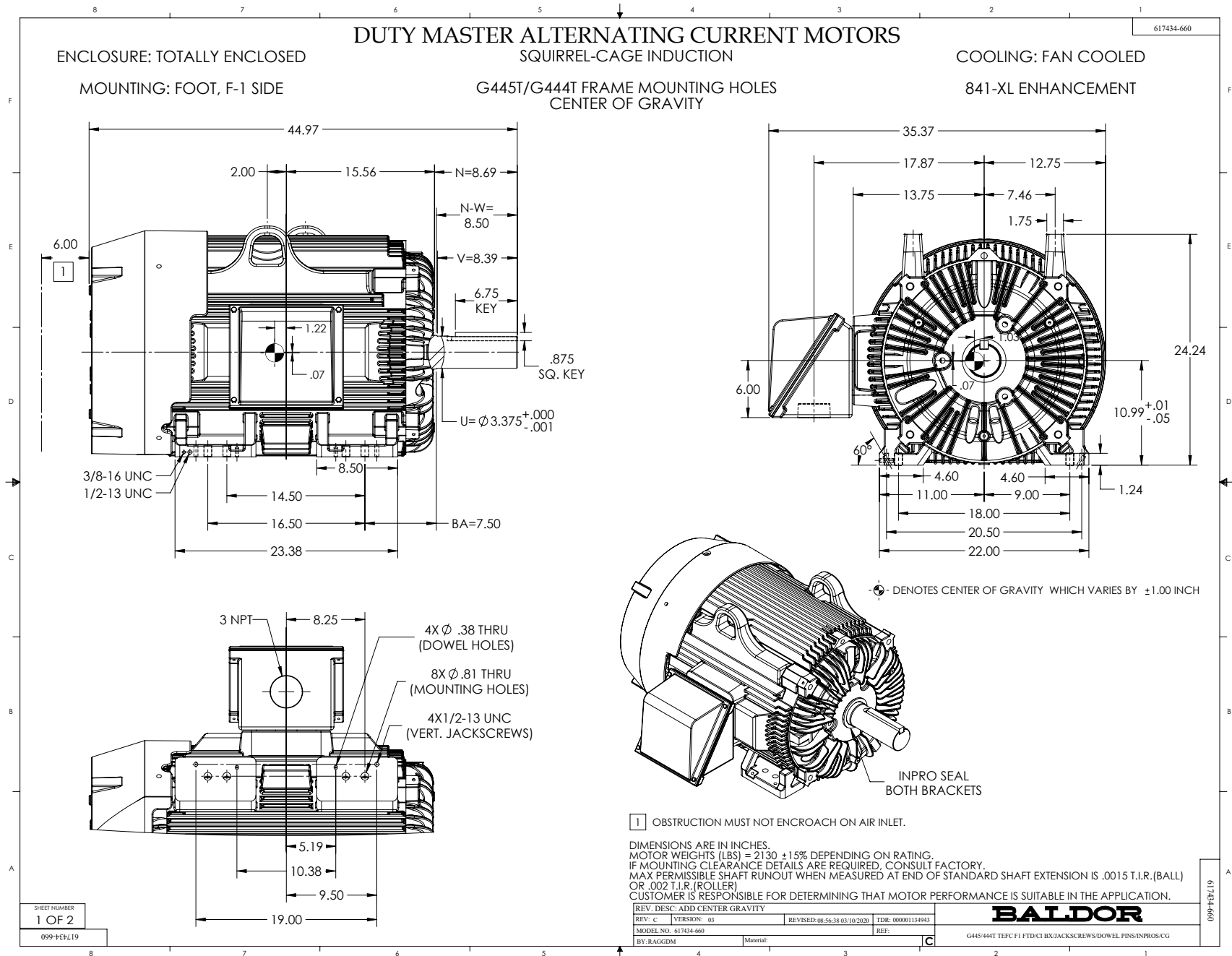
AC MOTOR
PERFORMANCE
DATA

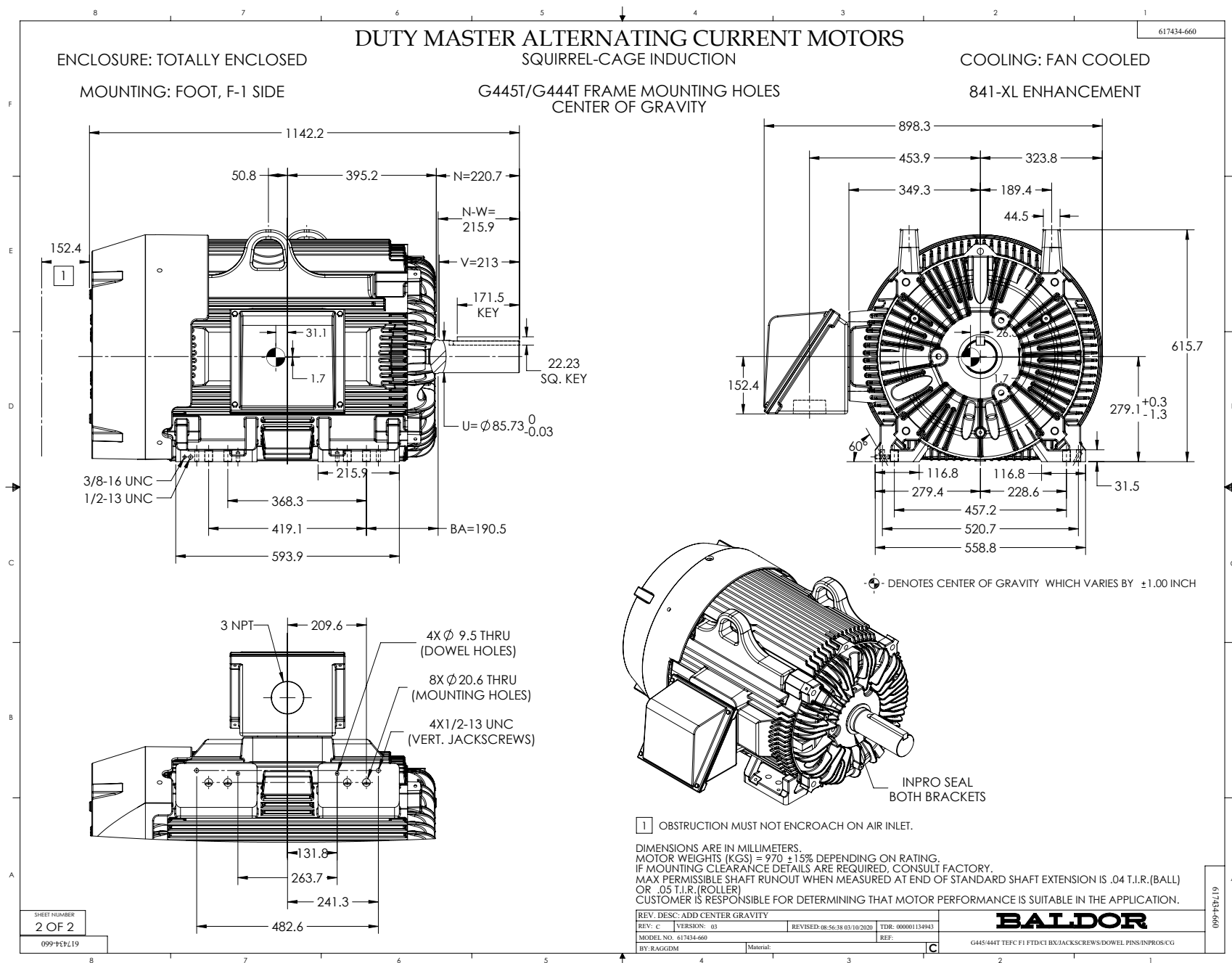
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ISSUE DATE 12/27/23

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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