

ABB BALDOR RELIANCE III

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	CLI 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		

ABB BALDOR RELIANCE III							CUSTOMER INFORMATION PACKET							ECP84411T-5 - 125HP, 1190RPM, 3PH, 60HZ, 445T, A44090M, TEFC						
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: <u>W. L. SMITH</u> CHECKED BY: <u>C.E.JAMISON</u> APPROVED BY: <u>W. L. SMITH</u> DATE: <u>12/27/23</u>						AC MOTOR PERFORMANCE DATA			A44WG6729-R001 DATE ISSUED 12/27/23					

FRAME 445T

HP 125

TYPE	P
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PHASE / HERTZ 3/60

CUSTOMER INFORMATION PACKET

INFORMATIC

VOLTS 575

AMPS 117

DUTY CONT

AMB °C / INSUL 40/F

ECP84411T-5 125HP, 1190RPM, 3PH, 60HZ, 445T, A14090M TEFC

4411T-5 1125 SEP 1954

NEMA DESIGN B

CODE LETTER G

ENCLOSURE TEFC

E/S -

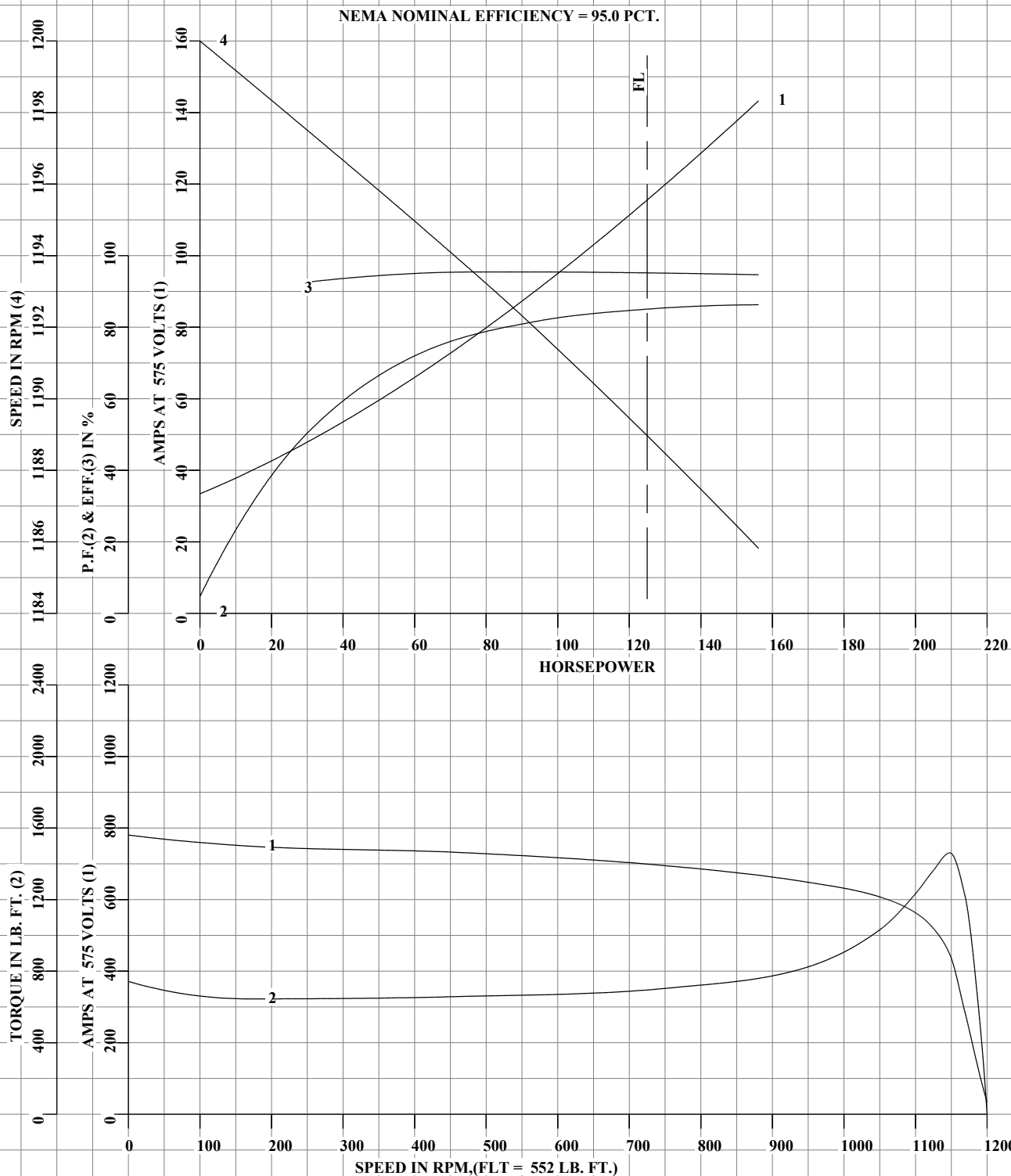
ROTOR, 418143088EF

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25°C .0670

OHMS (BETWEEN LINES)



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

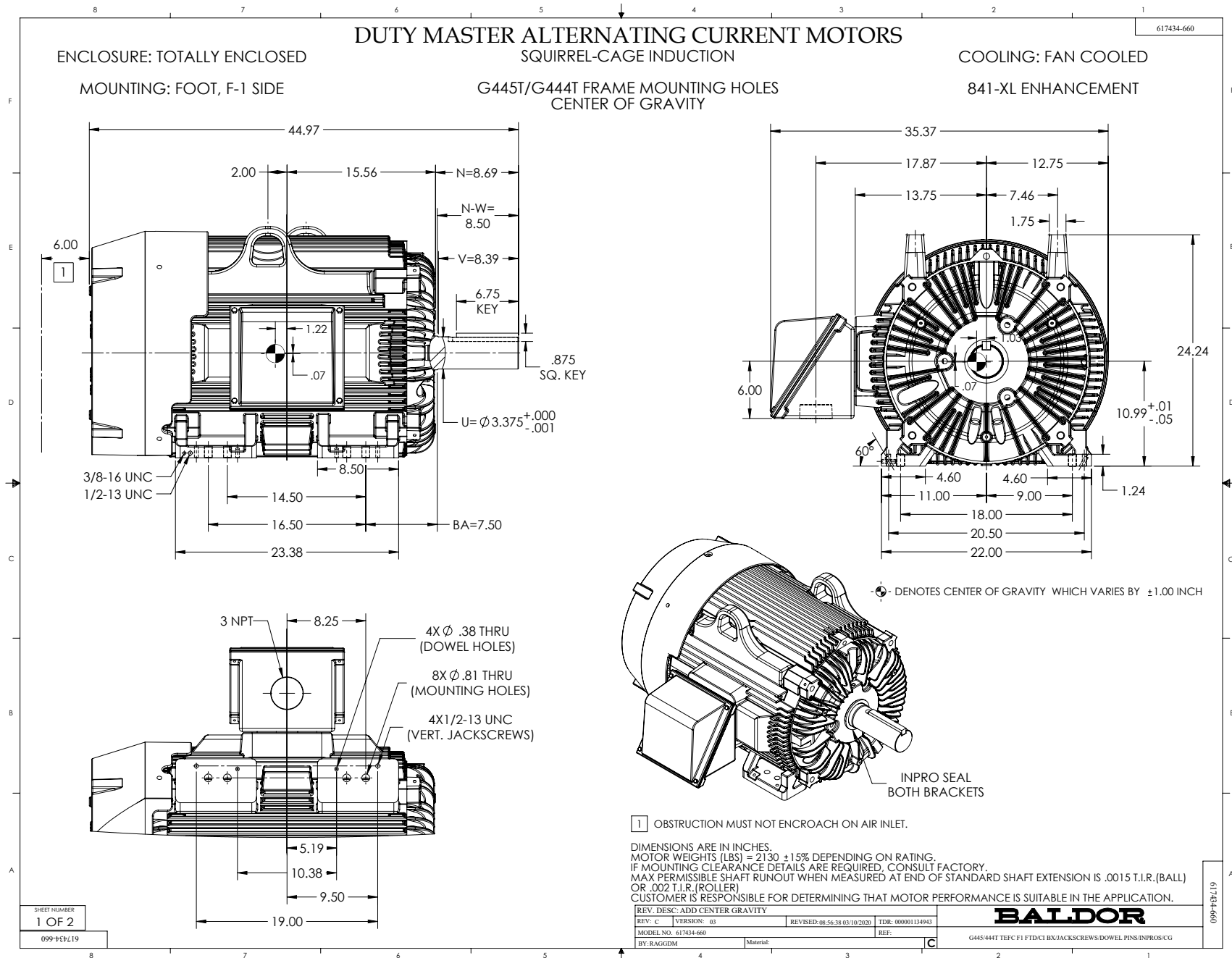


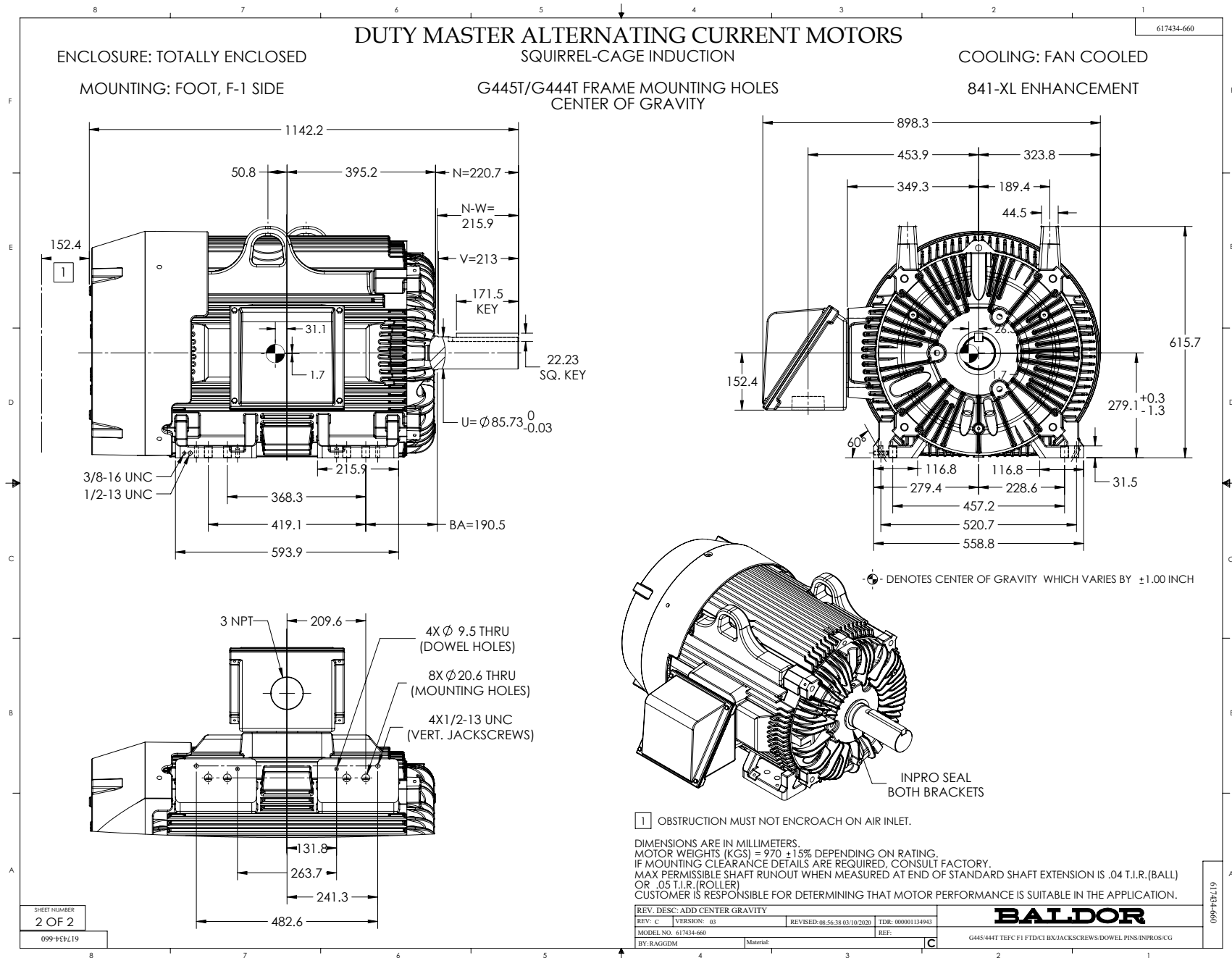
DRAWN BY: W. L. SMITH
CHECKED BY: C.E.JAMISON
APPROVED BY: W. L. SMITH
DATE: 12/27/23

AC MOTOR PERFORMANCE DATA

A44WG6729-R001

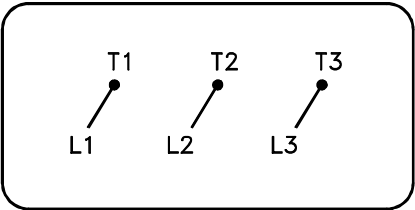
ISSUE DATE 12/27/23





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