



Customer information packet

EM4406TS-4

150HP, 1785RPM, 3PH, 60HZ, 445TS, A4488M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	445TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	Polyrex EM (-20F +300F)
Current @ Voltage	169.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	169.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A4488M

Part detail

Revision	S
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3335
Layout	617435-049
Eff. date	10-06-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0 Y
Proprietary	False
Created date	08-13-2012

Mounting Arrangement	F1
Number of Poles	4
Overall Length	41.08 IN
Power Factor	86
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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

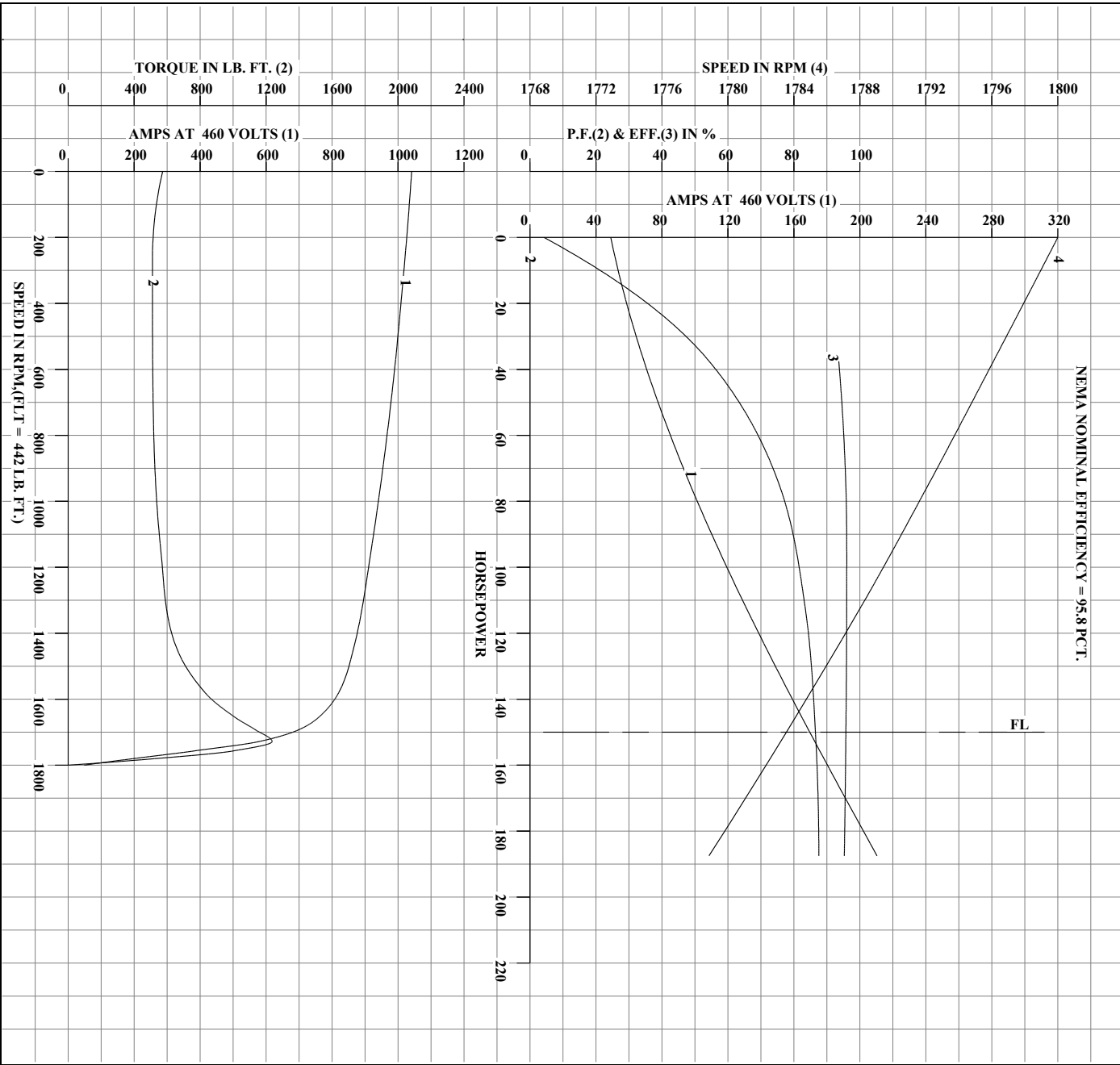
NP2349L

SPEC NO.	P44G3909			CAT.NO.	EM4406TS-4					FRAME	445TS	
HP	150	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P		
RPM	1785	AMPS	169		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	F						
SER.NO.				POWER FACTOR	86	NEMA-NOM-EFFICIENCY					95.8	
						MAX CORR KVAR	30.0	GUARANTEED EFFICIENCY			95.0	
						NEMA NOM/CSA QUOTED EFF						
						MOTOR WEIGHT					2071	

Accessories

Part number	Description	Multiplier
089490106A	G28 C-FACE BRKT MACH-6318 089490105WCA	P1
089490110A	D-FLANGE BRKT, G28 089490109WCA	P1

REL.S.O.	445T	RPM	1785	S.F.	1.15	ROTOR	418143053AE
FRAME	445T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	150	AMPS	169	CODE LETTER	F	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0298
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	498808	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: C.B. ATANGANE
CHECKED BY: C.E. JAMISON
APPROVED BY: C.E. JAMISON
DATE: 10/16/23

AC MOTOR
PERFORMANCE
DATA

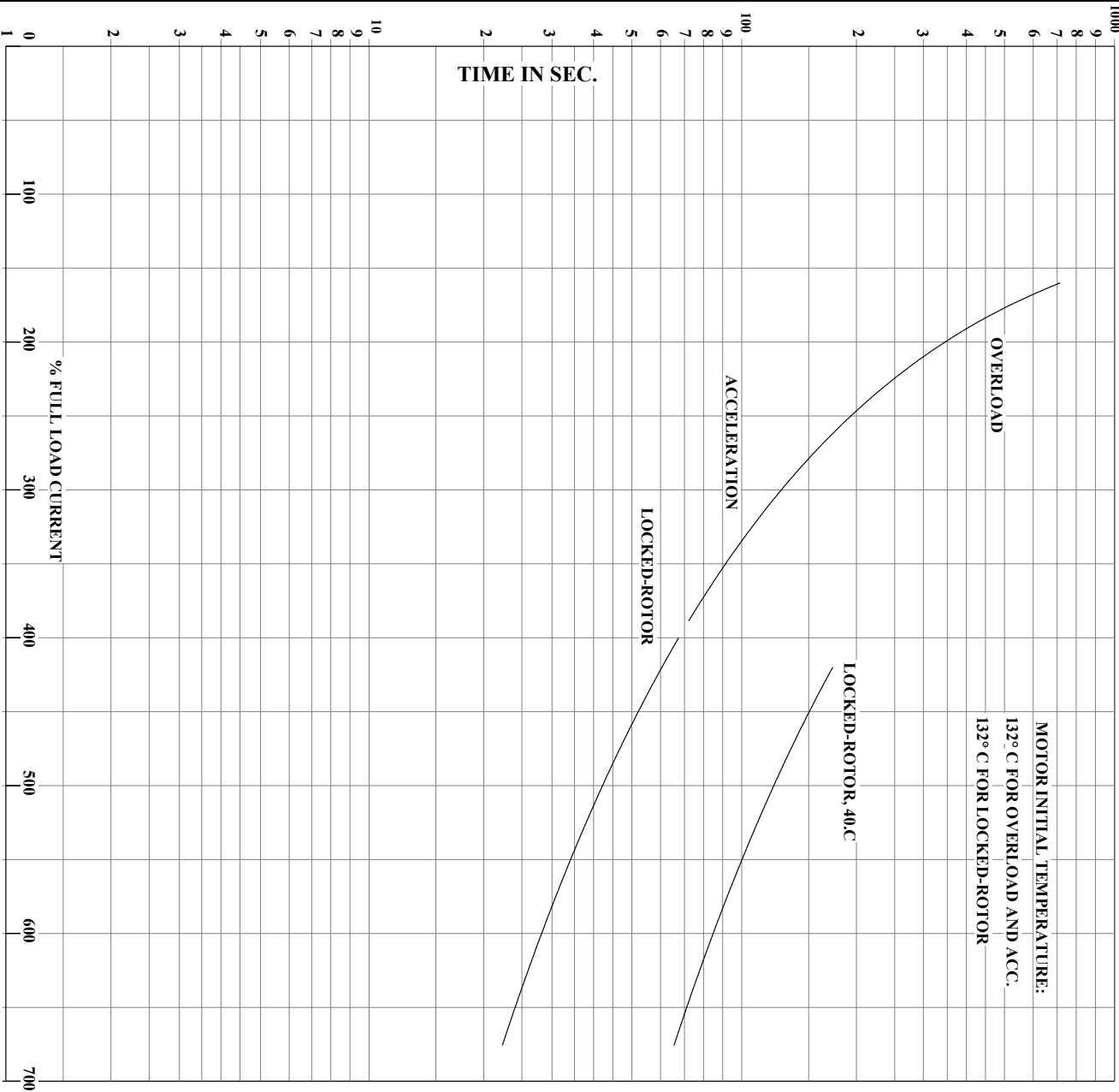
A44WG3335-R001

ISSUE DATE 02/03/25

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REL.S.O.	FRAME 445T	HP 150	TYPE P	PHASE / HERTZ 3/60	RPM 1785	VOLTS 460	AMPS 169	DUTY CONT	AMB °C / INSUL 40/F	S.F. 1.15	NEMA DESIGN B	CODE LETTER F	ENCLOSURE TEFC	E/S 498808	ROTOR 418143053AE	TEST S.O. TYPICAL DATA
												TEST DATE ---	STATOR RES. @ 25°C .0298	OHMS (BETWEEN LINES)		



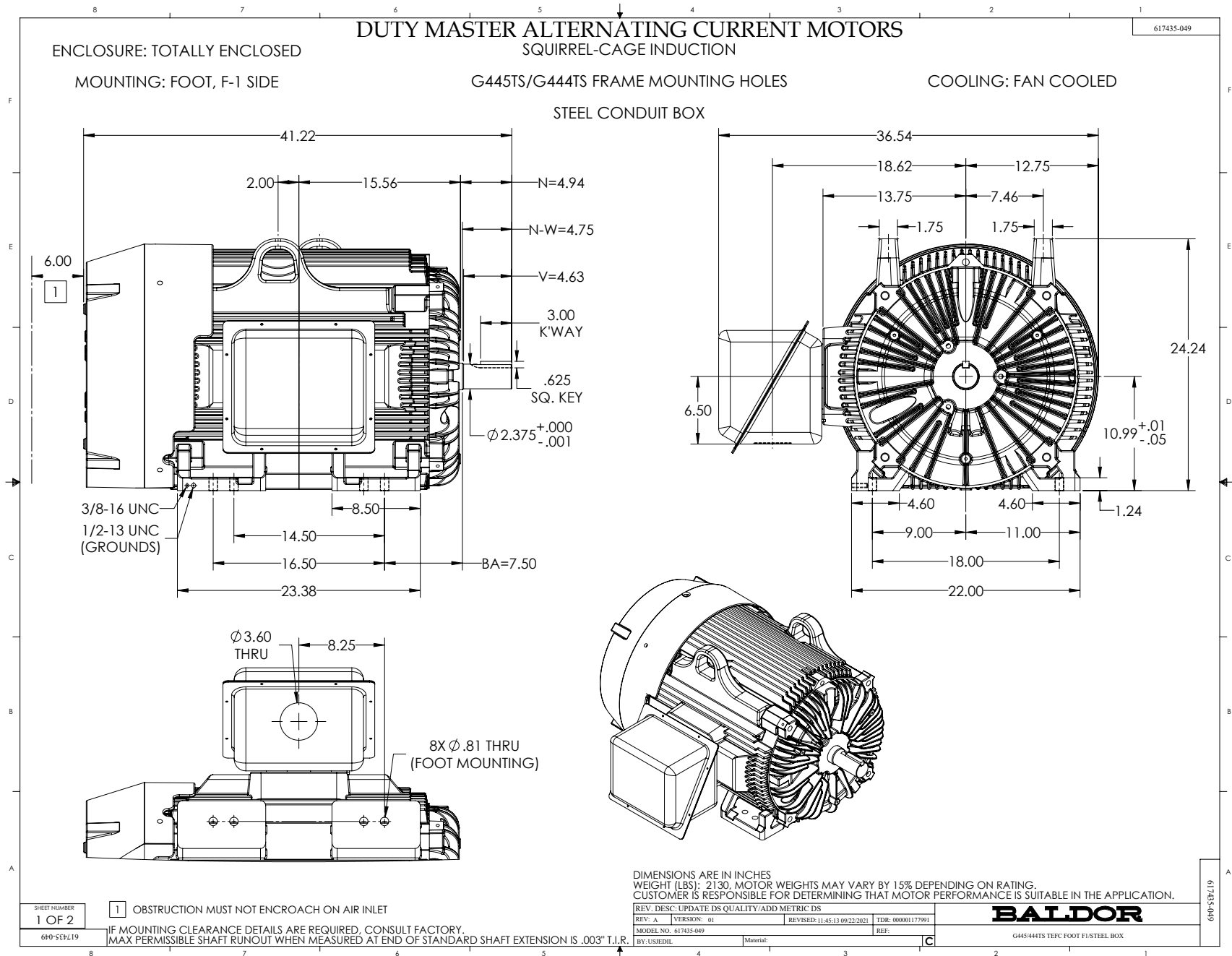
Thermal Limit Curve
NEMA Nominal Efficiency = 95.8 PCT.

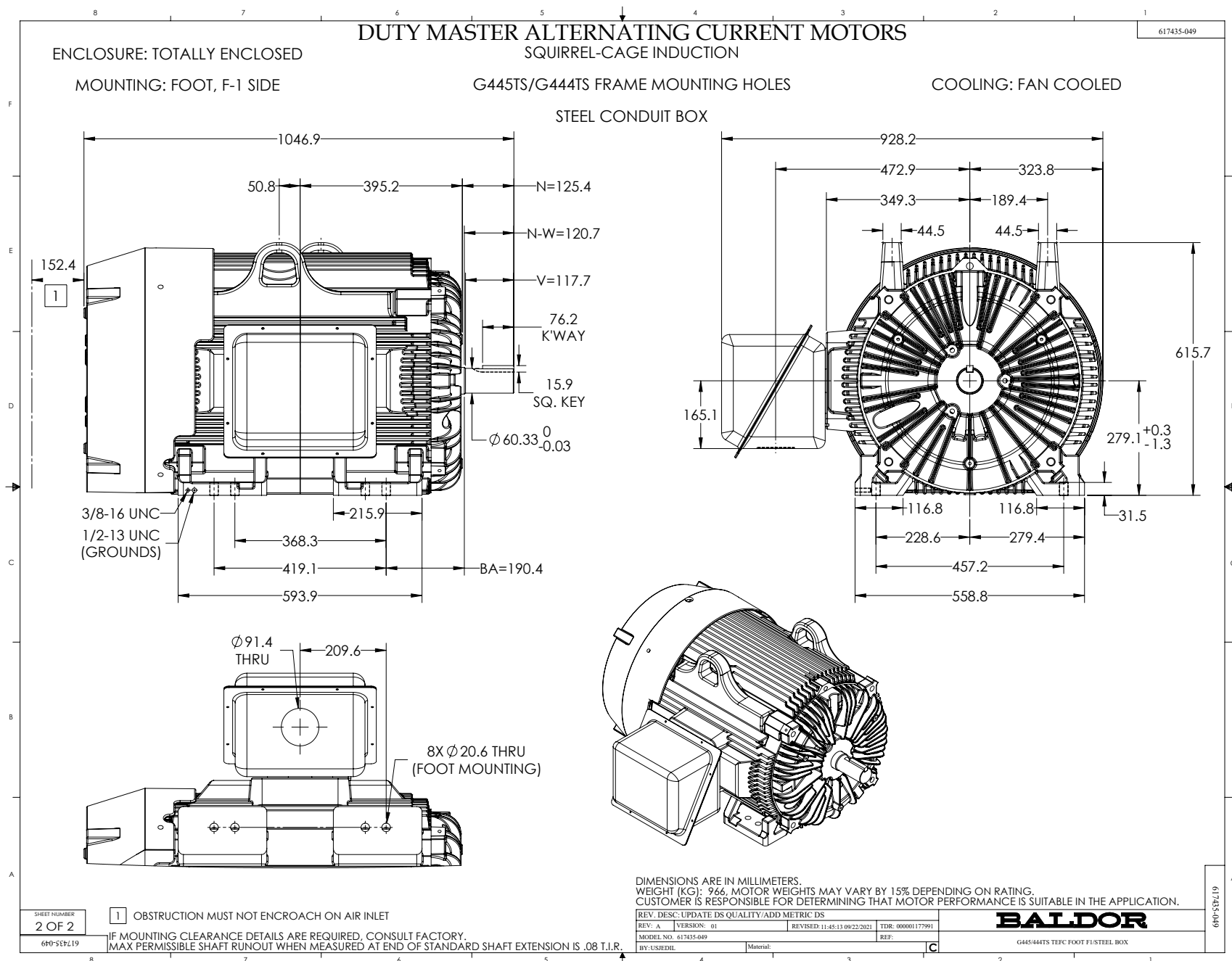
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	CHECKED BY: C.E.JAMISON APPROVED BY: C.E.JAMISON DATE: 10/16/23		ISSUE DATE 02/03/25

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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	