



Customer information packet

EM4410TS-4

125HP, 1785RPM, 3PH, 60HZ, 444TS, A44076M, TEF

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	444TS
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	125.000 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	144.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	144.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1

Part detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3870
Layout	617435-049
Eff. date	09-25-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0
Proprietary	False
Created date	08-13-2012

Number of Poles	4
Overall Length	41.08 IN
Power Factor	85
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	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

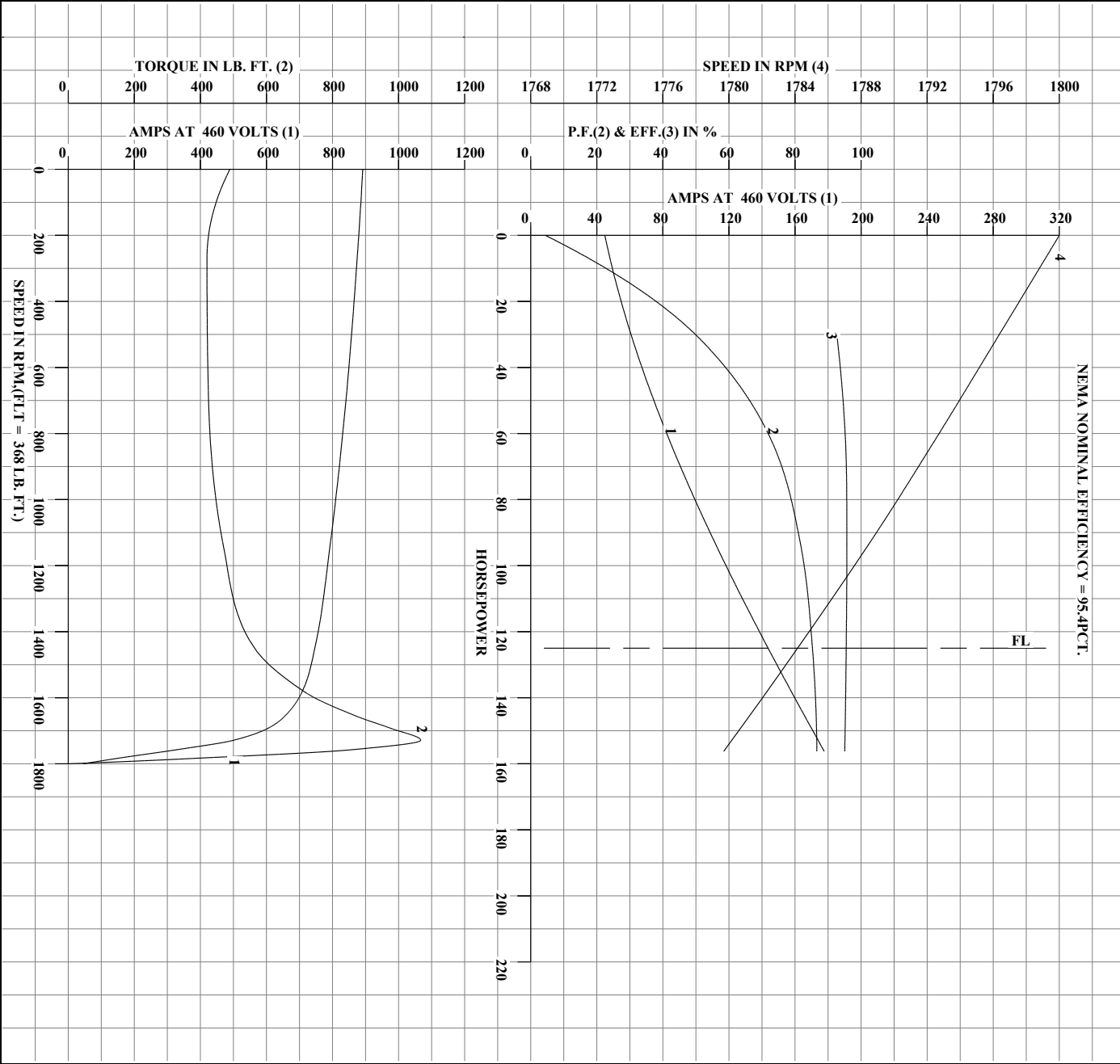
NP2349L

SPEC NO.	P44G3904			CAT.NO.	EM4410TS-4				FRAME	444TS	
HP	125	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	144		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	85	NEMA-NOM-EFFICIENCY				95.4	
						MAX CORR KVAR	27.0	GUARANTEED EFFICIENCY		94.5	
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					

Accessories

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

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)	



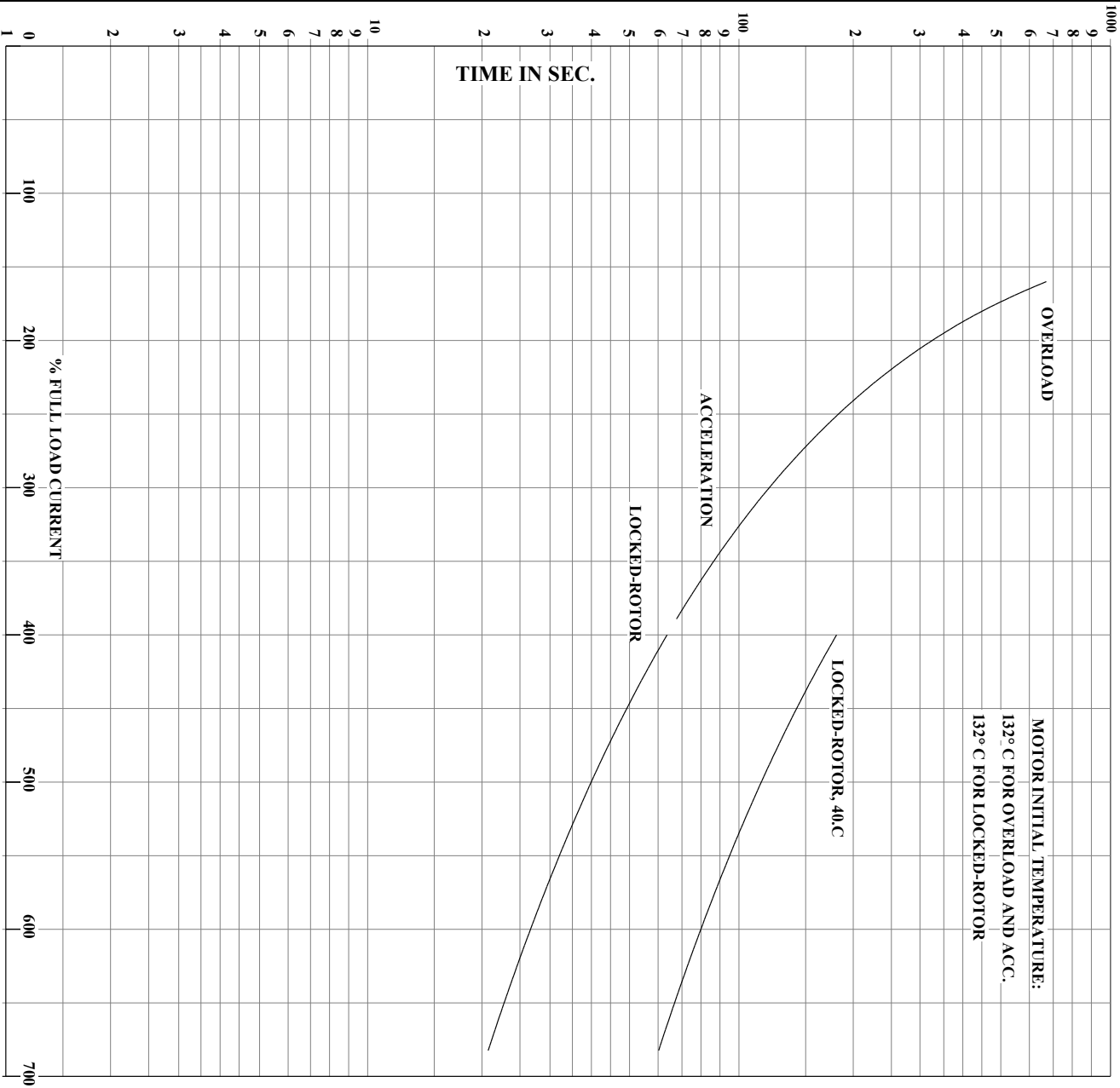
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	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>		

USERCHRI

Printed on 06/01/2021 9:16 AM

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 TFC	STATOR RES. @ 25°C .0383
PHASE / HERTZ 3/60		AMB °C / INSUL 40/F	E/S 498834	OHMS (BETWEEN LINES)



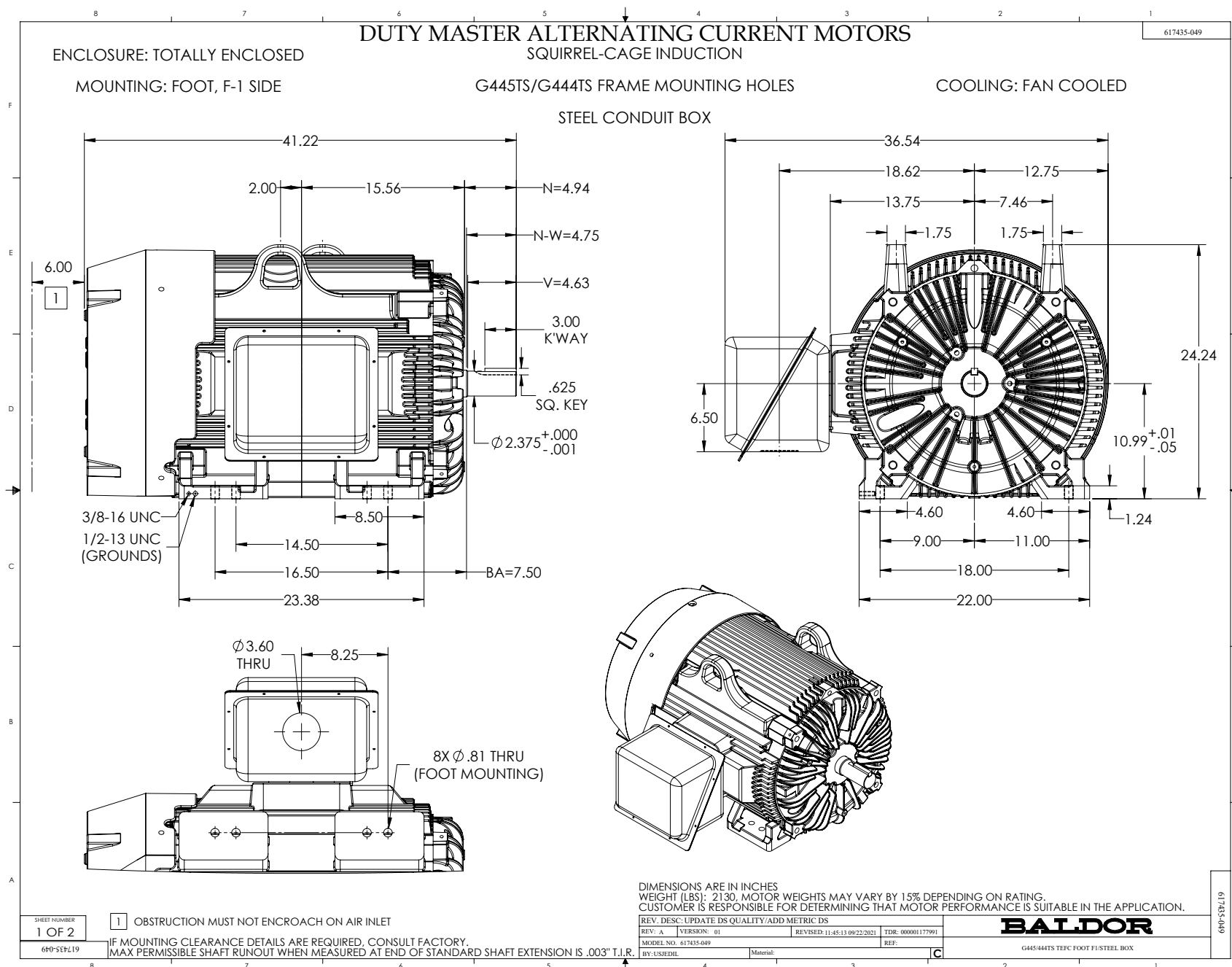
Thermal Limit Curve
NEMA Nominal Efficiency = 95.4PCT.

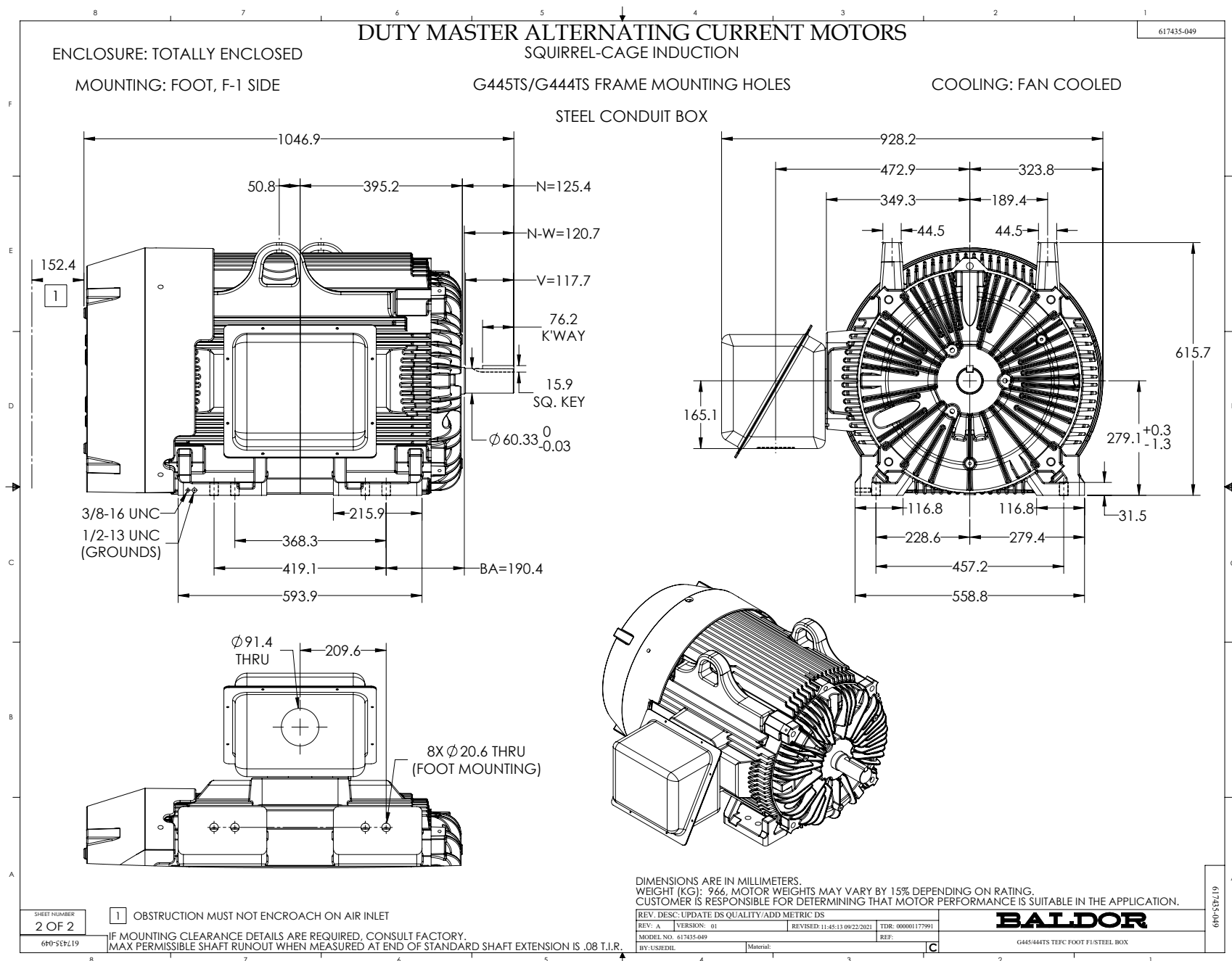
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	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
--	--	---------------------------------	--

USERCHRI

Printed on 06/01/2021 9:16 AM





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