



Customer information packet

EM4411T-4

125HP, 1188RPM, 3PH, 60HZ, 445T, A44090M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	445T
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	1200 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	146.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	146.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44090M
Mounting Arrangement	F1

Part detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1554
Layout	617435-164
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	06
Leads	6#2
Proprietary	False
Created date	08-13-2012

Number of Poles	6
Overall Length	44.75 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	Shaft Slinger
Speed	1188 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

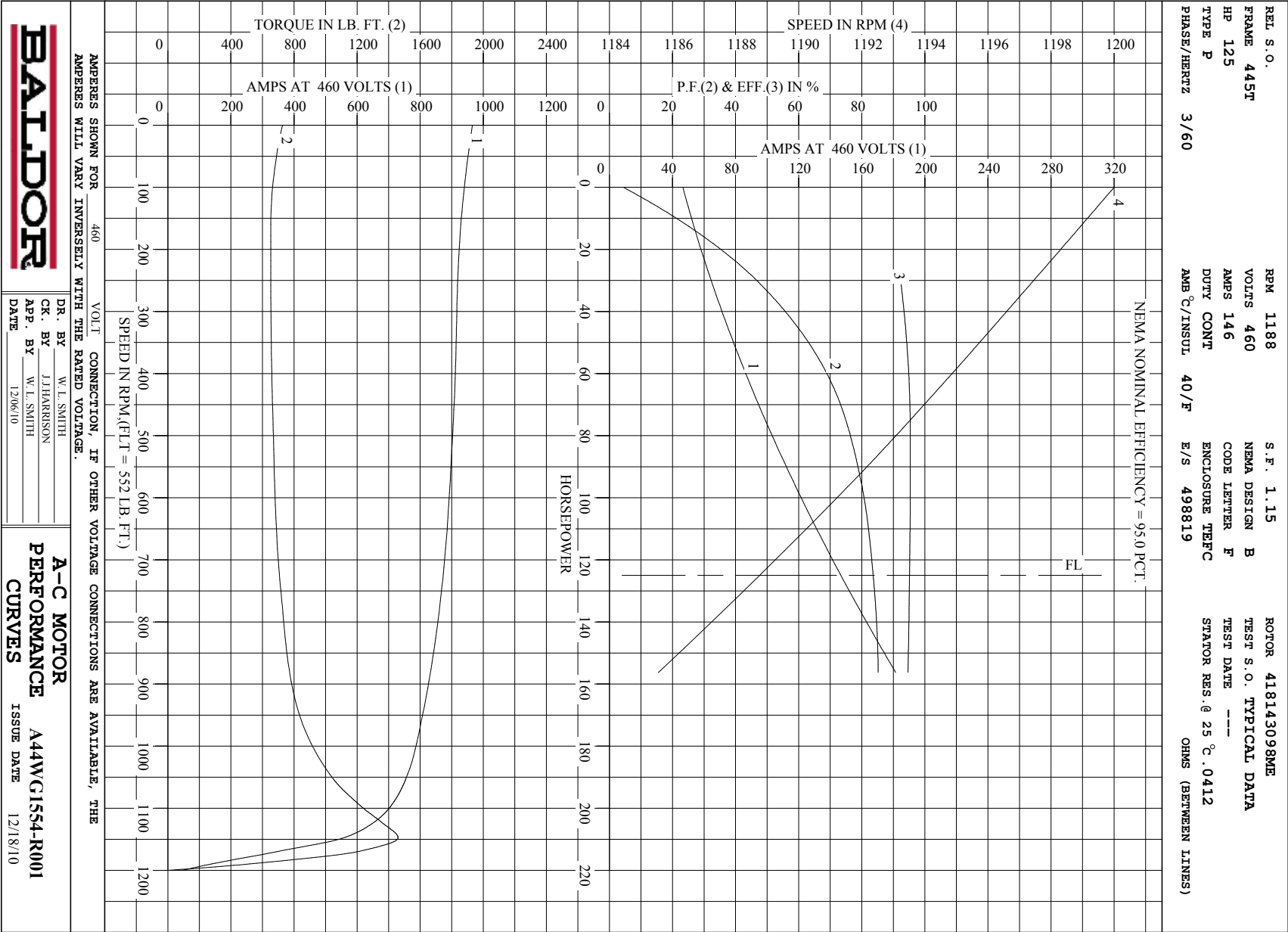
Nameplate

NP2349L

SPEC NO.	P44G3905			CAT.NO.	EM4411T-4				FRAME	445T	
HP	125	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1188	AMPS	146		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	84	NEMA-NOM-EFFICIENCY				95	
						MAX CORR KVAR	30.0	GUARANTEED EFFICIENCY		94.5	
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT				2073	

Accessories

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



REL. S.O.
FRAME 445T
HP 125
TYPE P
PHASE/HERTZ 3/60

RPM 1188
VOLTS 460
AMPS 146
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.15
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 498819

ROTOR 418143098ME
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES. @ 25 °C. 0412
OHMS (BETWEEN LINES)

10 00
9
8
7
6
5
4
3
2
1
0

OVERLOAD
MOTOR INITIAL TEMPERATURE:
119C FOR OVERLOAD AND ACC.
119 C FOR LOCKED-ROTOR

1.00
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

ACCELERATION
LOCKED-ROTOR, 40 C
LOCKED-ROTOR

TIME IN SEC.

0 200 400 600 800 1000 1200 1400

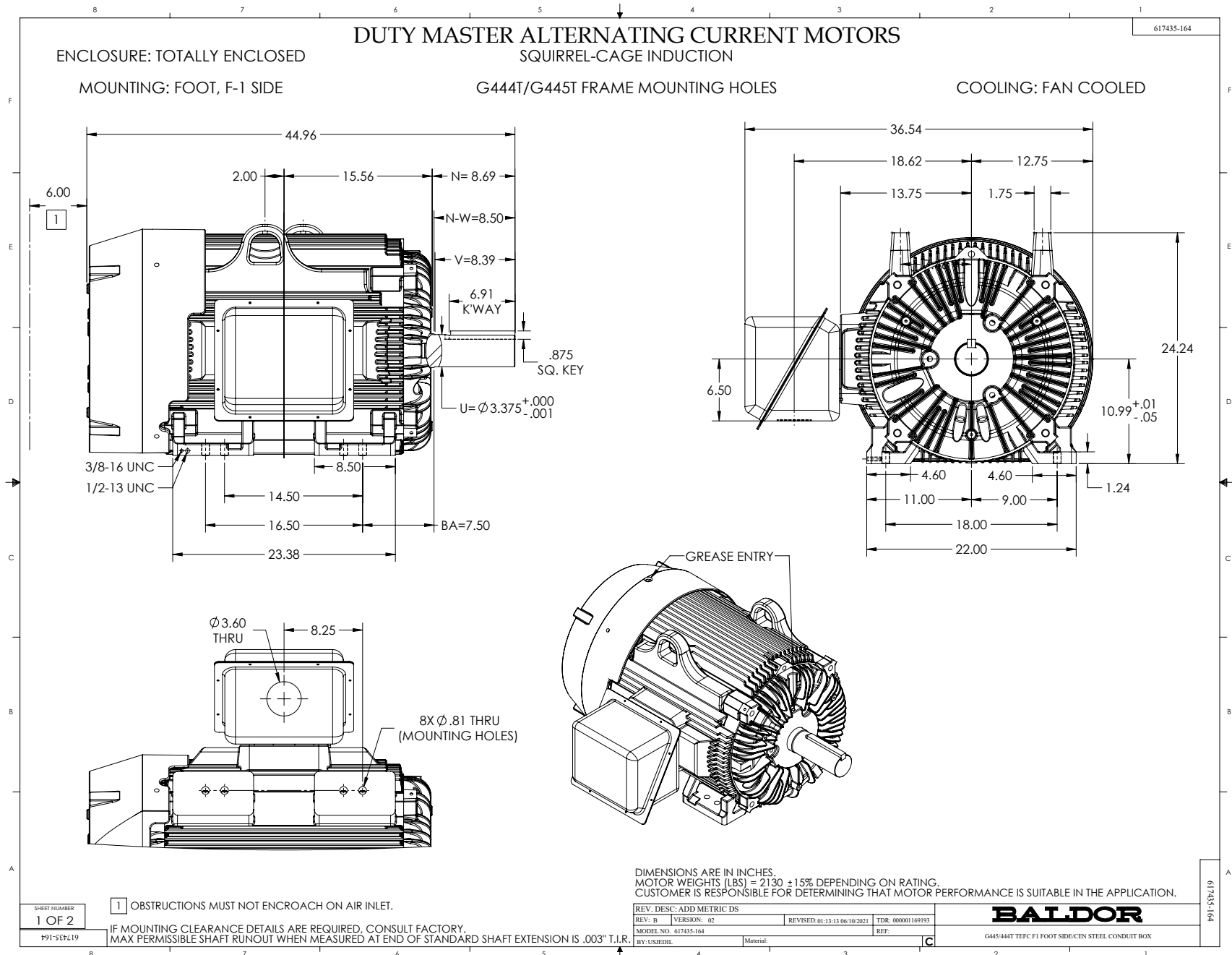
% FULL LOAD CURRENT

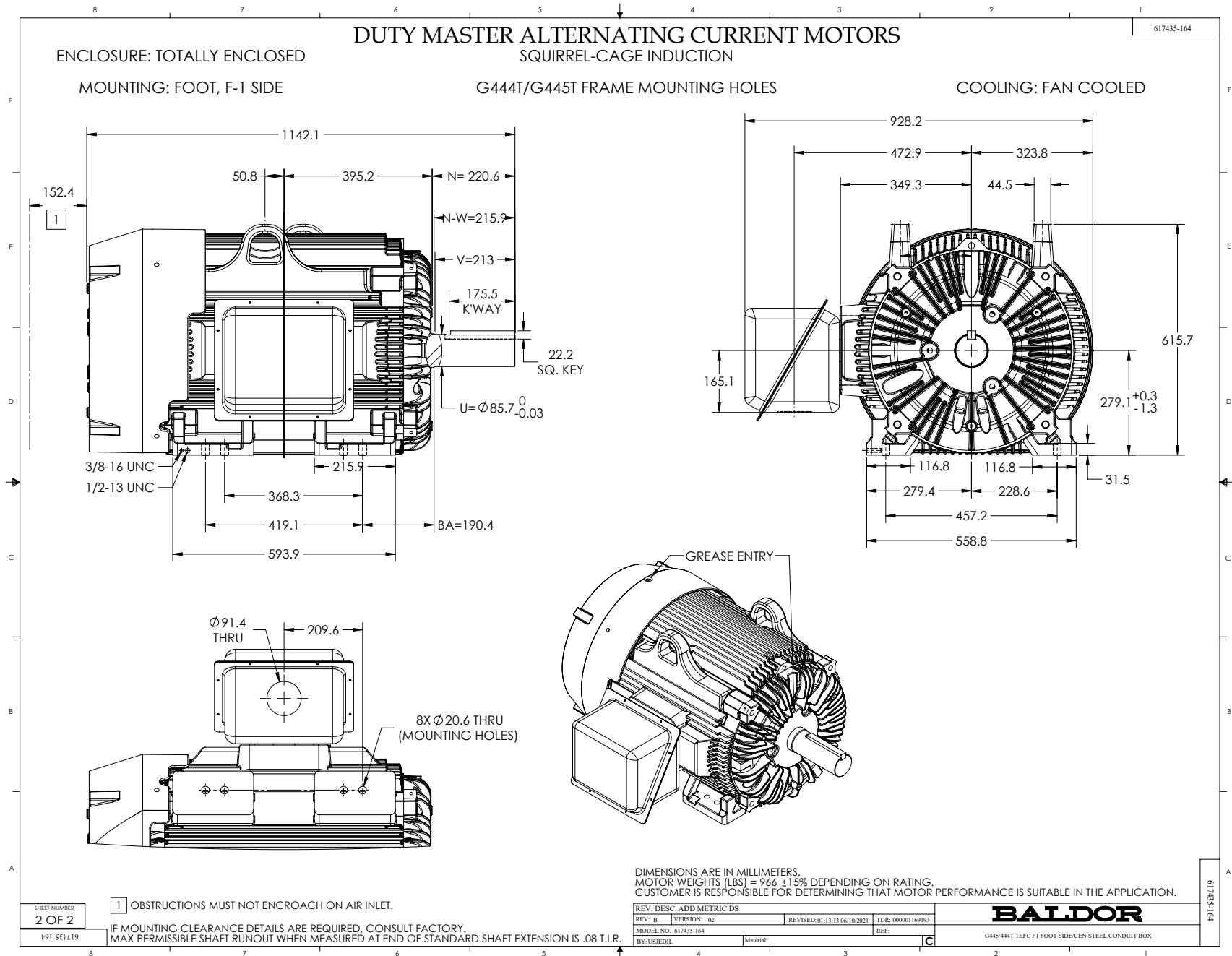
REMARKS:
THERMAL LIMIT CURVE
NEMA NOMINAL EFFICIENCY = 95.0 PCT.

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

DR. BY W.L. SMITH
CK. BY J.HARRISON
APP. BY W.L. SMITH
DATE 12/06/10

A-C MOTOR
PERFORMANCE A44WG1554-R001
CURVES
ISSUE DATE 12/8/10

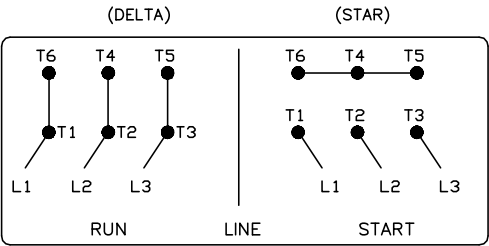
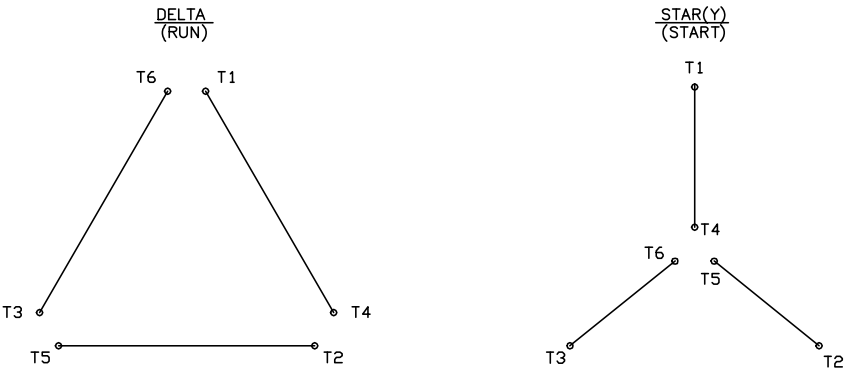




416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM			BALDOR CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN SH 1 of 1
REV. LTR: D	VERSION: 04	TDR: 000000847713	
FILE: \RAG\00001\808	REVISED: 10:41:26 04/08/2014	BY: RAGJSS1	
MTL: —			

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