



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	CURUSEEV 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

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

Mounting Arrangement	F1
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
RPM	1188	AMPS	146	DESIGN	B
DRIVE END BEARING	90BC03J30X	DUTY	CONT	TYPE	P
OPP D.E. BEARING	90BC03J30X	INSUL.CLASS	F	HZ	60
SER.NO.		ENCL	TEFC	AMB	40
		CODE	F	SF	1.15
		POWER FACTOR	84	INSUL.CLASS	F
		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	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	445T	125	P	3/60	1188	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
146	CONT	40/F	1.15	B	F	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (BETWEEN LINES)
498819	418143098ME	---	---	.0412

PERFORMANCE

LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	46.3	1200	4.43	0
1/4	31.3	66.0	1197	48.0	92.5
2/4	62.5	87.8	1195	70.2	95.0
3/4	93.7	116	1192	79.6	95.4
4/4	125	147	1189	83.6	95.1
5/4	156	181	1186	85.2	94.6

SPEED TORQUE

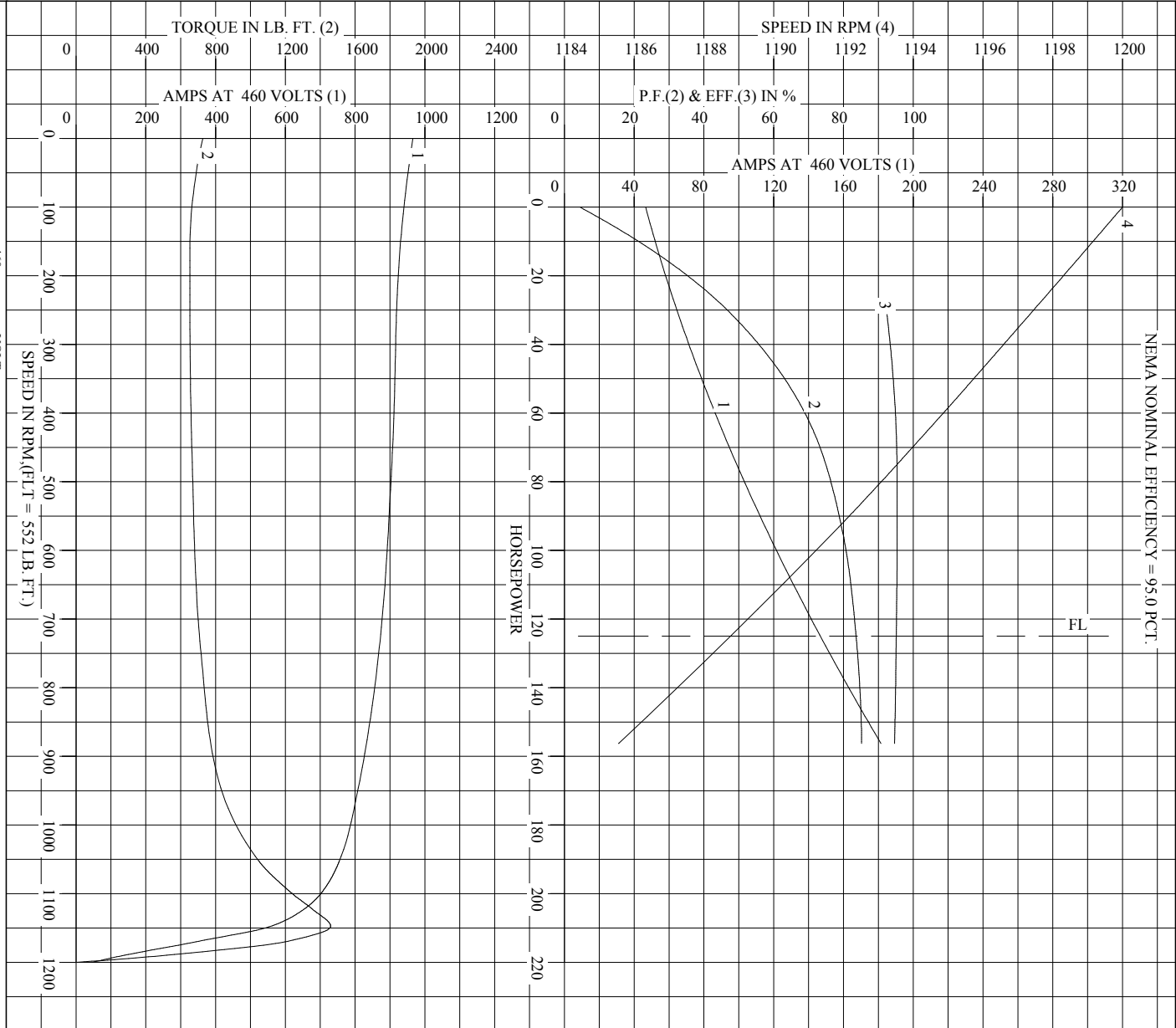
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	132	727	966
PULL UP	168	118	652	928
BREAKDOWN	1148	264	1460	558
FULL LOAD	1189	100	552	147

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

REMARKS: TYPICAL DATA
NEMA NOMINAL EFFICIENCY = 95.0 PCT.

BALDOR	DR. BY	W. L. SMITH	A-C MOTOR
	CK. BY	J. J. HARRISON	
	APP. BY	W. L. SMITH	
	DATE	12/06/10	
PERFORMANCE DATA		A44WG1554-R001	ISSUE DATE 12/18/10

REL. S.O.	445T	RPM	1188	S.F.	1.15	ROTOR	418143098ME
FRAME	445T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	125	AMPS	146	CODE LETTER	F	TEST DATE	---
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25 °C	0.412
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	498819	OHMS (BETWEEN LINES)	



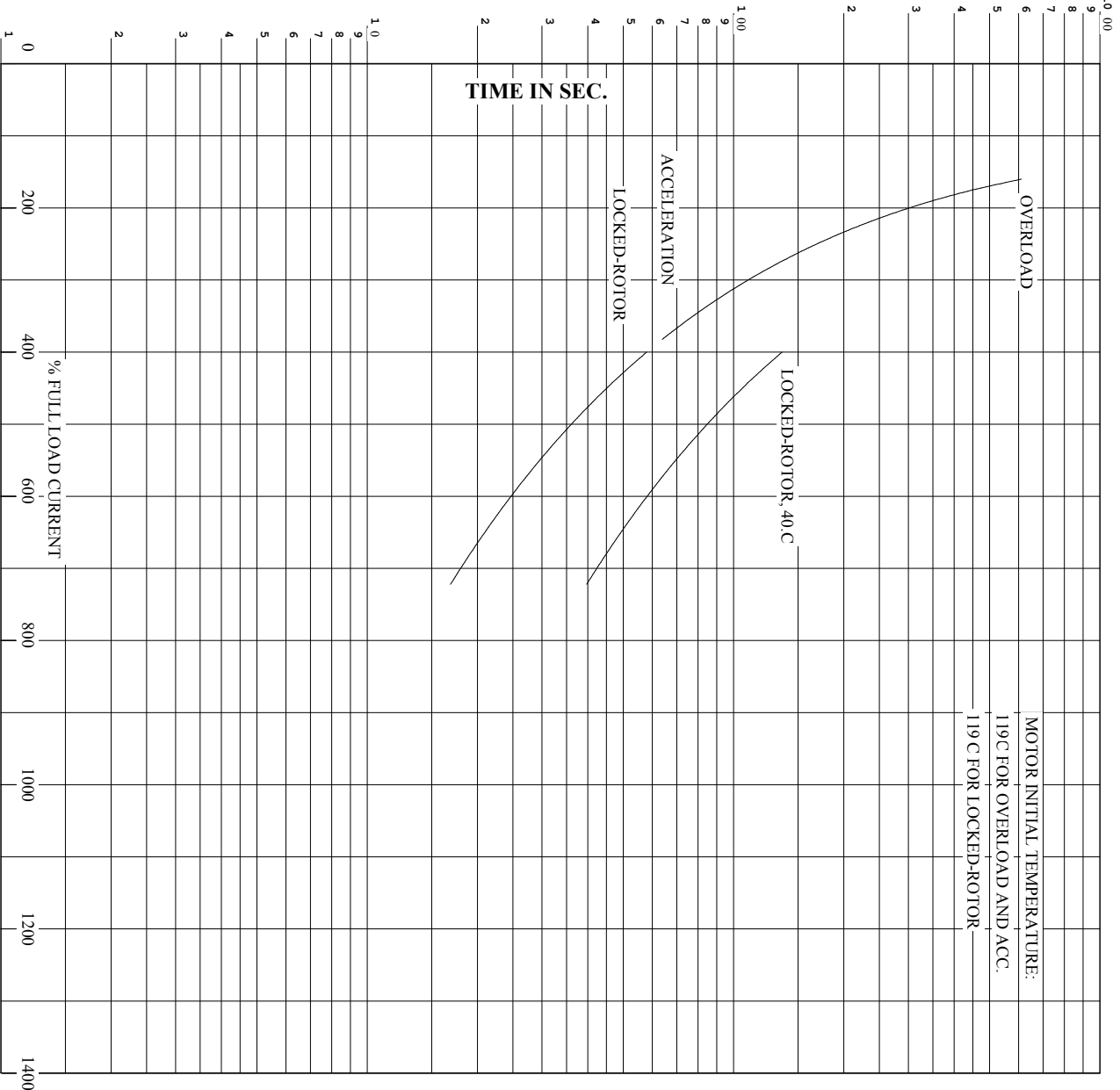
AMPERES SHOWN FOR 460 VOLTS CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



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

A-C MOTOR
PERFORMANCE CURVES
A44WG1554-R001
 ISSUE DATE 12/18/10

REL. S.O.	REV 1188	S.F. 1.15	ROTOR 418143098ME
FRAME 445T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125	AMPS 146	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25 °C 0.412
PHASE/HERTZ 3/50	AMB °/INSUL 40/F	E/S 498819	OHMS (BETWEEN LINES)



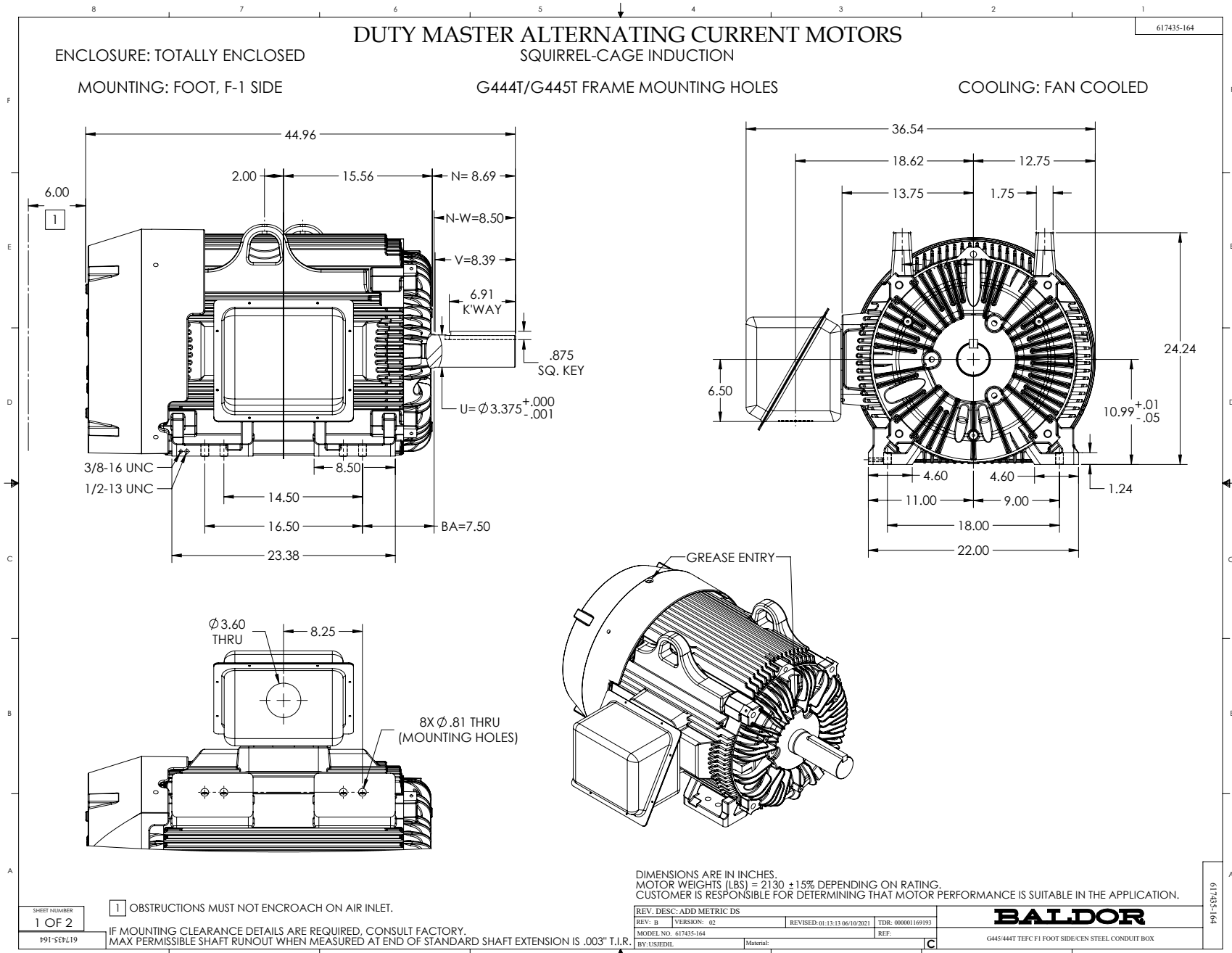
REMARKS: THERMAL LIMIT CURVE
NEMA NOMINAL EFFICIENCY = 95.0 PCT.

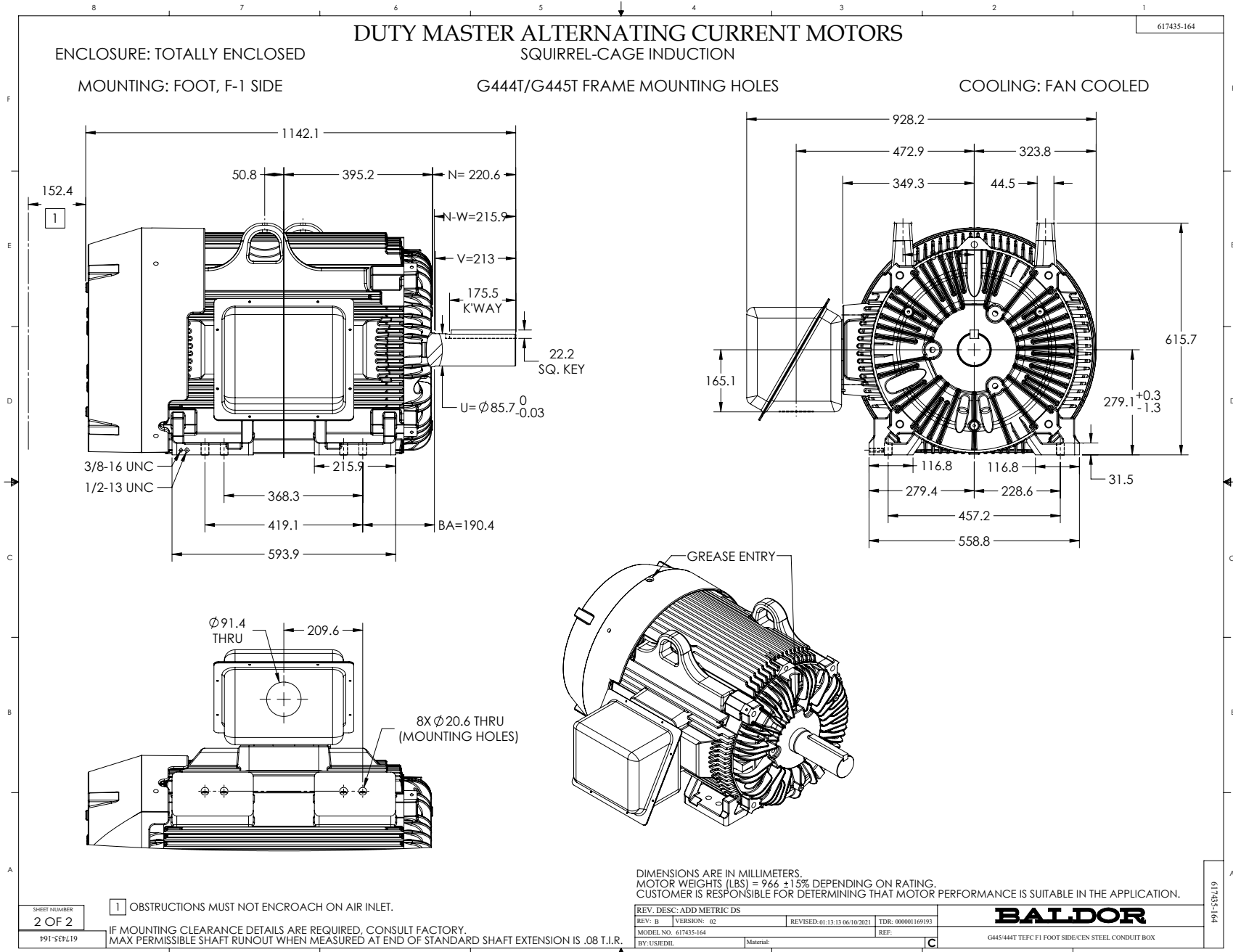
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



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

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



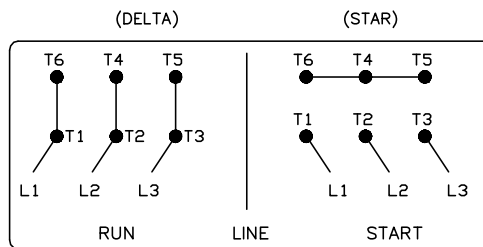
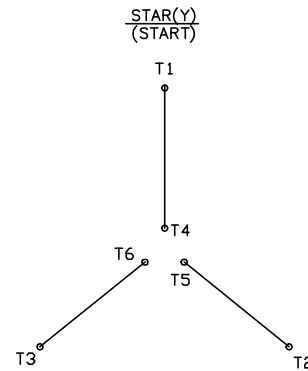
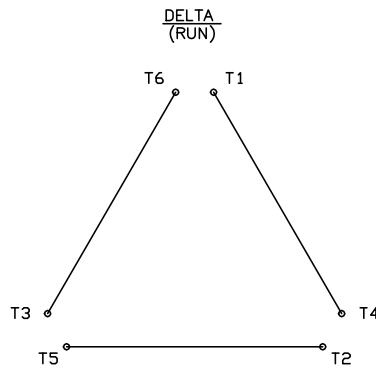


416820-008

A-C MOTOR CONNECTION DIAGRAM

STANDARD 6 LEAD

Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 00000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -	© □	

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008