



Customer information packet

EM4410T-4

125HP, 1785RPM, 3PH, 60HZ, 444T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	444T
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	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44076M
Mounting Arrangement	F1

Part detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5275
Layout	617427-476
Eff. date	10-31-2025
CD Diagram	416820-008
Poles	04
Leads	6#2
Proprietary	False
Created date	09-08-2015

Number of Poles	4
Overall Length	44.75 IN
Power Factor	85
Product Family	Other
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	1785 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

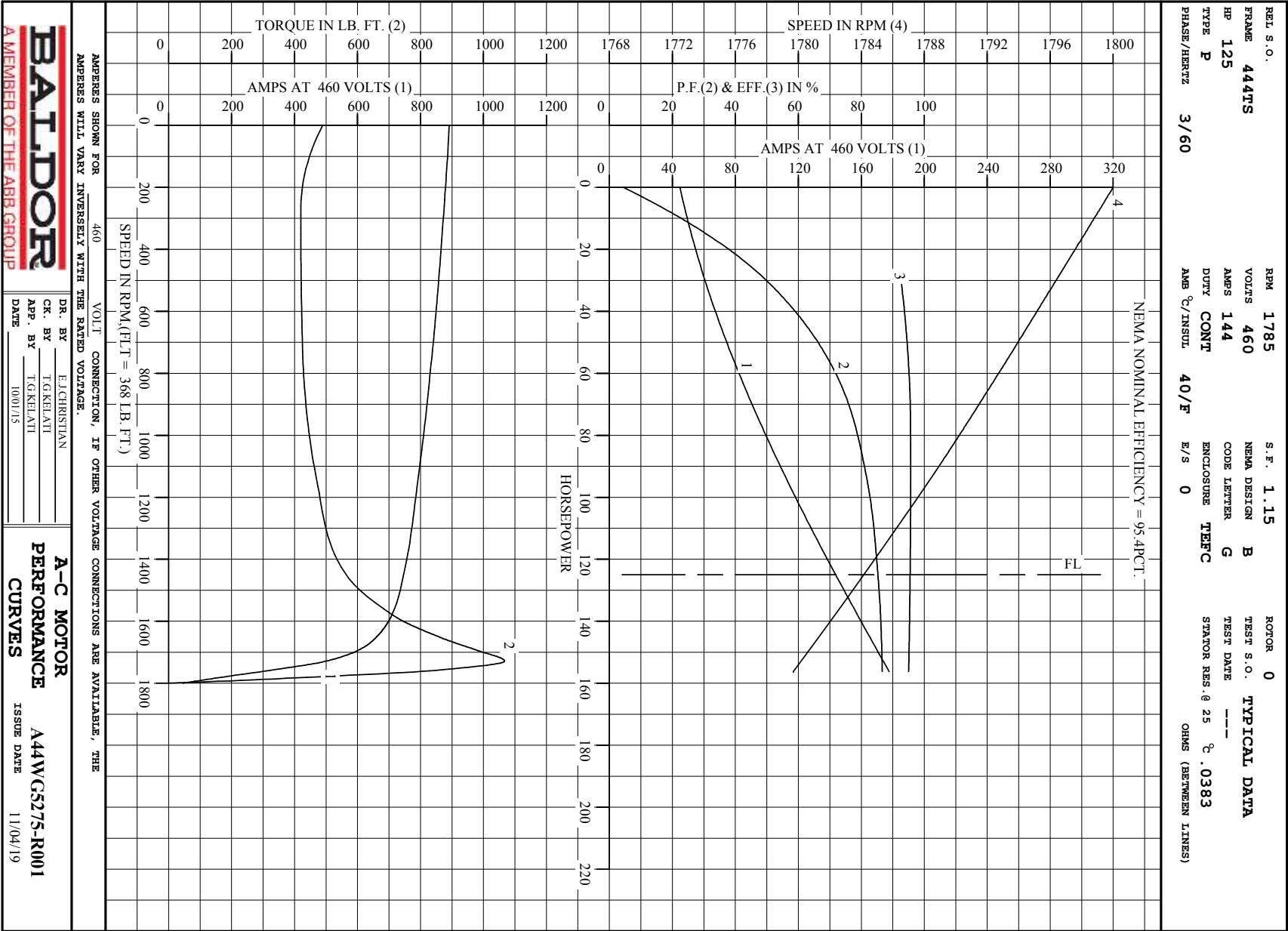
NP2349L

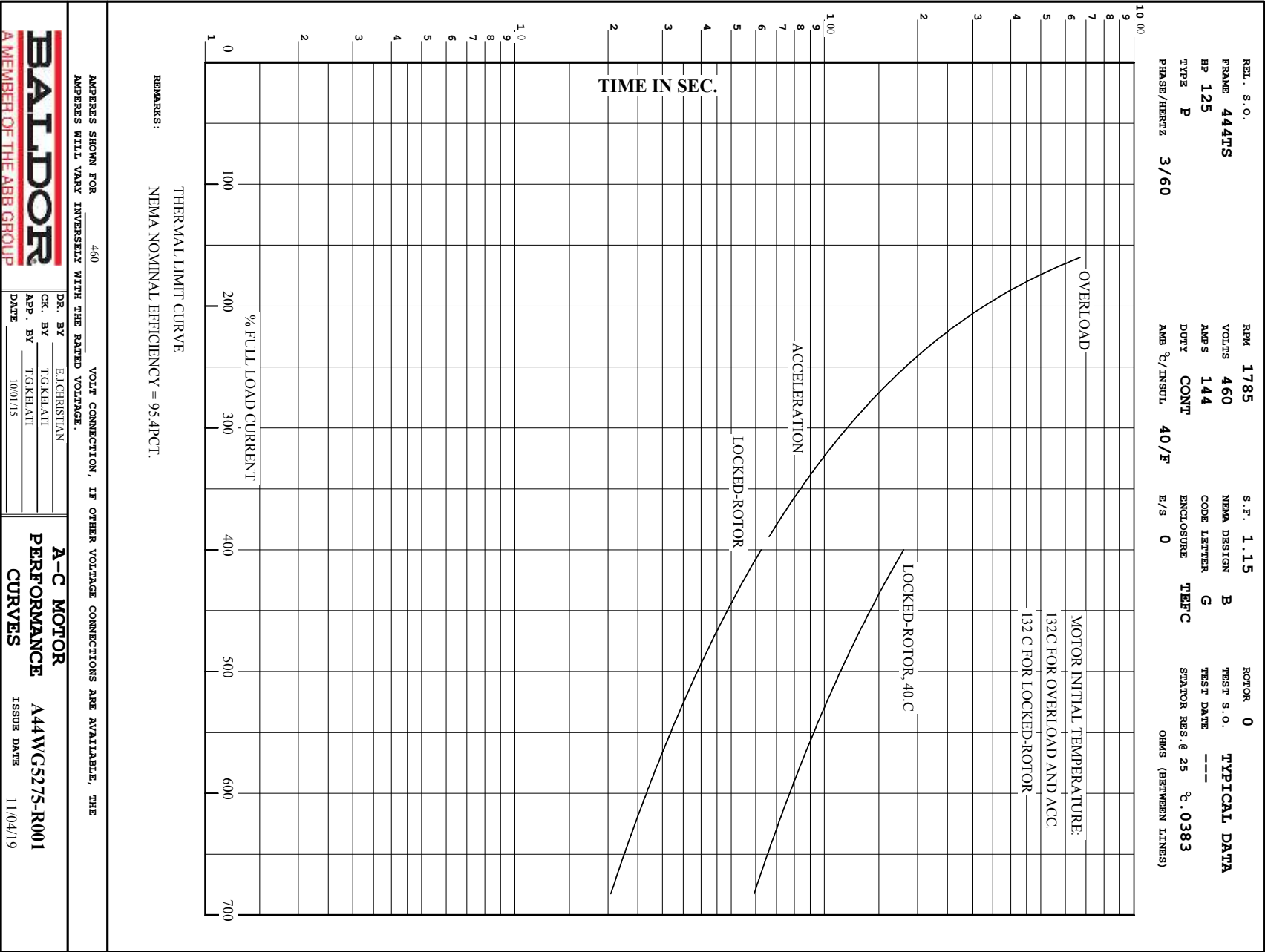
SPEC NO.	A44-0001-5275			CAT.NO.	EM4410T-4				FRAME	444T	
HP	125	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	144		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS		F				
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	G					
SER.NO.				POWER FACTOR	85	NEMA-NOM-EFFICIENCY			95.4		
						MAX CORR KVAR	27	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

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444TS	125	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
144	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
0	0	---	---	.0383		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	44.8	1800	4.44	0	
1/4	31.3	61.7	1796	51.1	92.8	
2/4	62.5	84.1	1792	73.0	95.3	
3/4	93.7	112	1788	81.7	95.7	
4/4	125	144	1784	85.3	95.5	
5/4	156	178	1780	86.6	95.1	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	133	489	892		
PULL UP	270	114	420	875		
BREAKDOWN	1729	290	1067	500		
FULL LOAD	1784	100	368	144		
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 = 95.4PCT.						
DR. BY E. J. CHRISTIAN CR. BY T. G. RELATI APP. BY T. G. RELATI DATE 10/01/15			A-C MOTOR PERFORMANCE DATA A44WG5275-R001 ISSUE DATE 11/04/19			
A MEMBER OF THE ABB GROUP						





DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

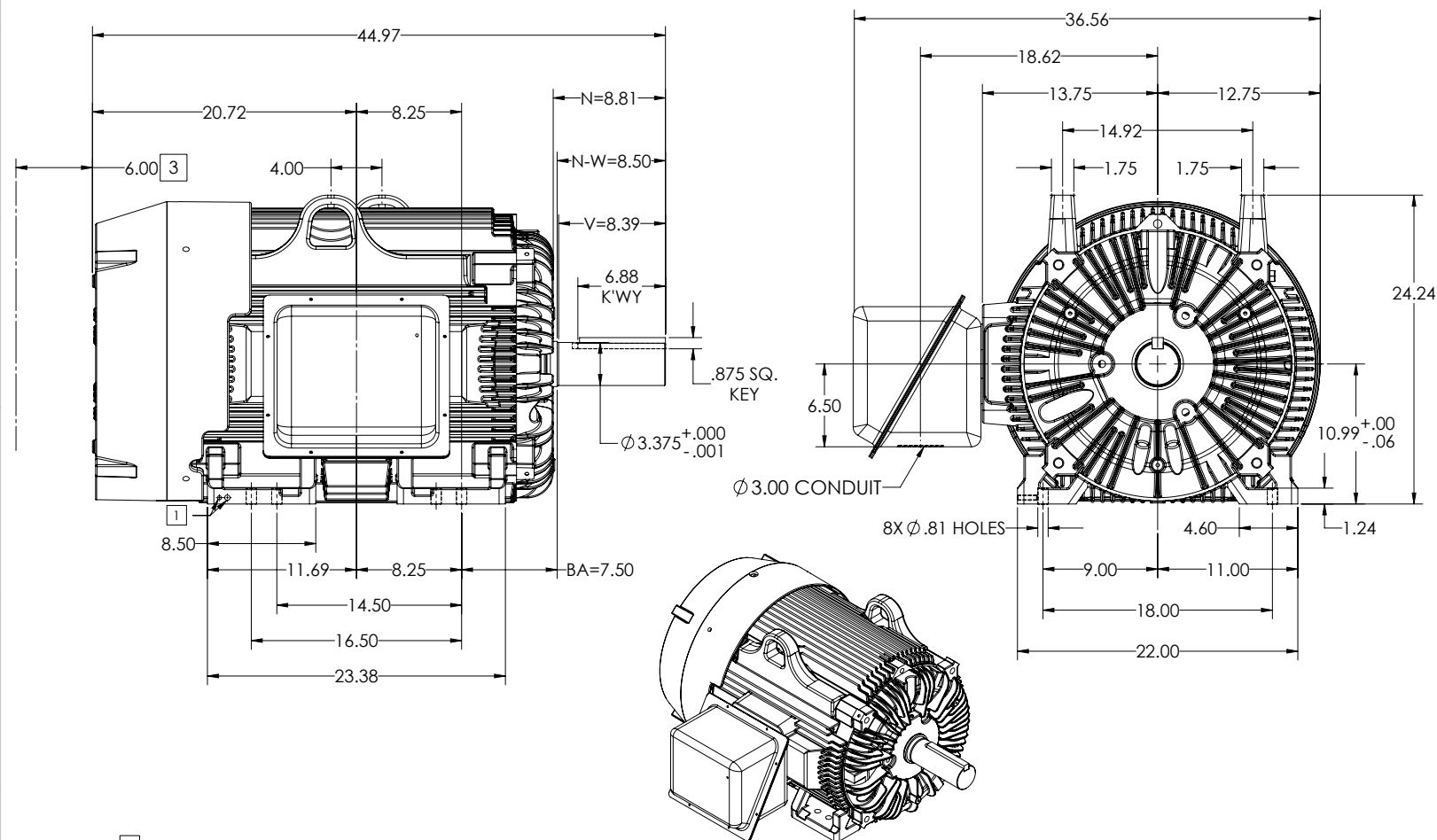
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1 SIDE

FRAME G444T
INCLUDES G445T FRAME MOUNTING HOLES

STEEL MAIN CONDUIT BOX

COOLING: FAN COOLED



- [1] GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- [2] MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- [3] OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

SHEET NUMBER
1 OF 1
9LF-272119

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

[2] WEIGHT (LBS): 2130

DIMENSIONS ARE IN INCHES
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW DRAWING
REV: - VERSION: 00 REVISED: 10-03-28 04/18/2015 TDR: 00000919063
MODEL NO. 617427-476 REF:
BY: RAGRA Material:

BALDOR

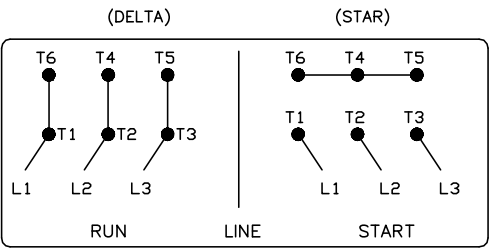
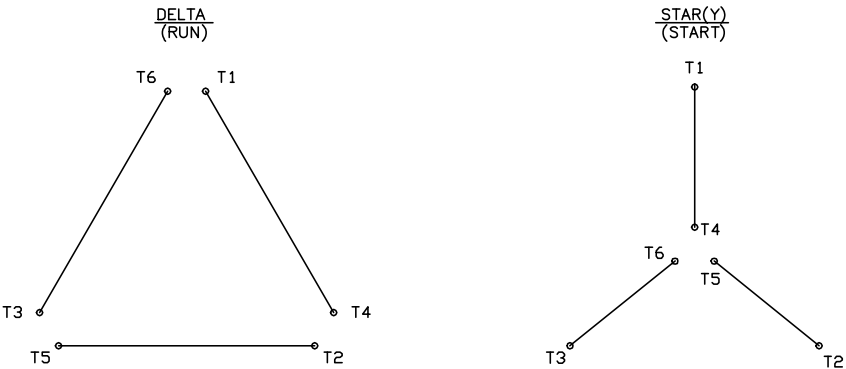
G445T-444T TEFC FT - SD/CNTR - STEEL C/BOX

617427-476

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: 000000847713
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