



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
Auxillary 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	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5275
Layout	617427-476
Eff. date	09-04-2024
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

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

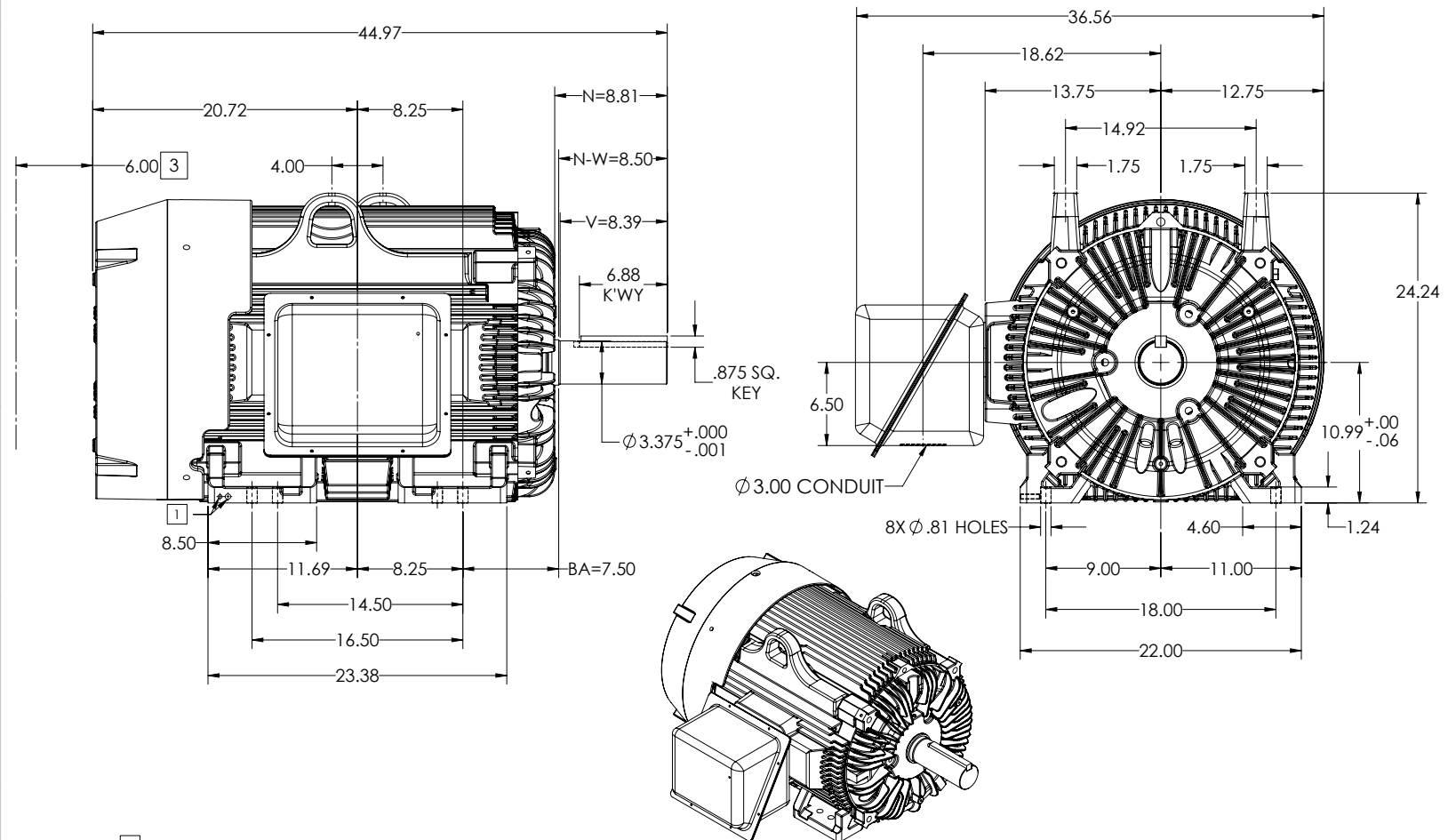
ENCLOSURE: TOTALLY ENCLOSED

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-27427-119

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: 000000919063
 MODEL NO. 617427-476 REF:
 BY: RAGRA Material:

BALDOR

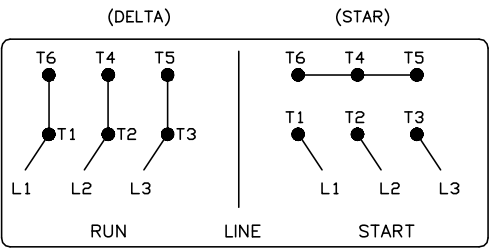
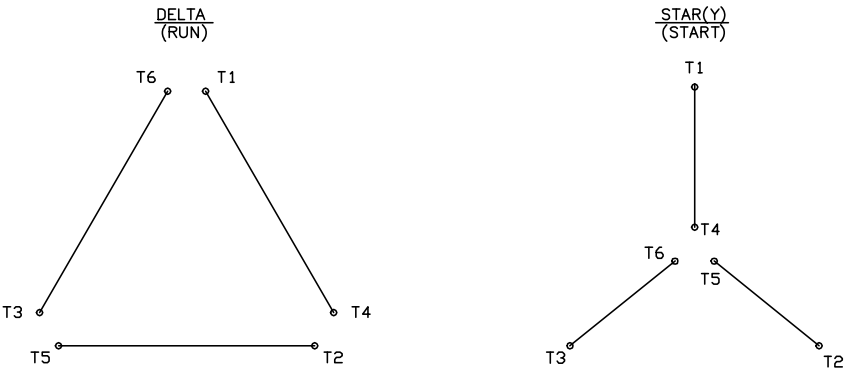
G445T-444T TEFC FT - SD/CNTR - STEEL C/BOX

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: -	© □	

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CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

416820-008