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# Customer information packet

## EM4406T-4

150HP, 1785RPM, 3PH, 60HZ, 445T, A4488M, 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	150.000 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	169.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	169.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A4488M
Mounting Arrangement	F1

## Part detail

Revision	N
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3783
Layout	617427-476
Eff. date	09-04-2024
CD Diagram	416820-008
Poles	04
Leads	6#2
Proprietary	False
Created date	08-10-2012

<b>Number of Poles</b>	4
<b>Overall Length</b>	44.75 IN
<b>Power Factor</b>	86
<b>Product Family</b>	Other
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	3.375 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1785 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Wye Start - Delta Run
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None

**Nameplate**

**NP2349L**

<b>SPEC NO.</b>	P44G3907	<b>CAT.NO.</b>	EM4406T-4	<b>FRAME</b>	445T				
<b>HP</b>	150	<b>VOLTS</b>	460	<b>PHASE</b>	3	<b>DESIGN</b>	B	<b>TYPE</b>	P
<b>RPM</b>	1785	<b>AMPS</b>	169	<b>HZ</b>	60	<b>AMB</b>	40	<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	90BC03J30X	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F				
<b>OPP D.E. BEARING</b>	90BC03J30X	<b>ENCL</b>	TEFC	<b>CODE</b>	F				
<b>SER.NO.</b>		<b>POWER FACTOR</b>	86	<b>NEMA-NOM-EFFICIENCY</b>	95.8				
		<b>MAX CORR KVAR</b>	30.0	<b>GUARANTEED EFFICIENCY</b>	95.0				
		<b>NEMA NOM/CSA QUOTED EFF</b>							
		<b>MOTOR WEIGHT</b>	2130						

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
089490106A	G28 C-FACE BRKT MACH-6318 089490105WCA	P1







617427-476

DUTY MASTER ALTERNATING CURRENT MOTORS  
SQUIRREL-CAGE INDUCTION

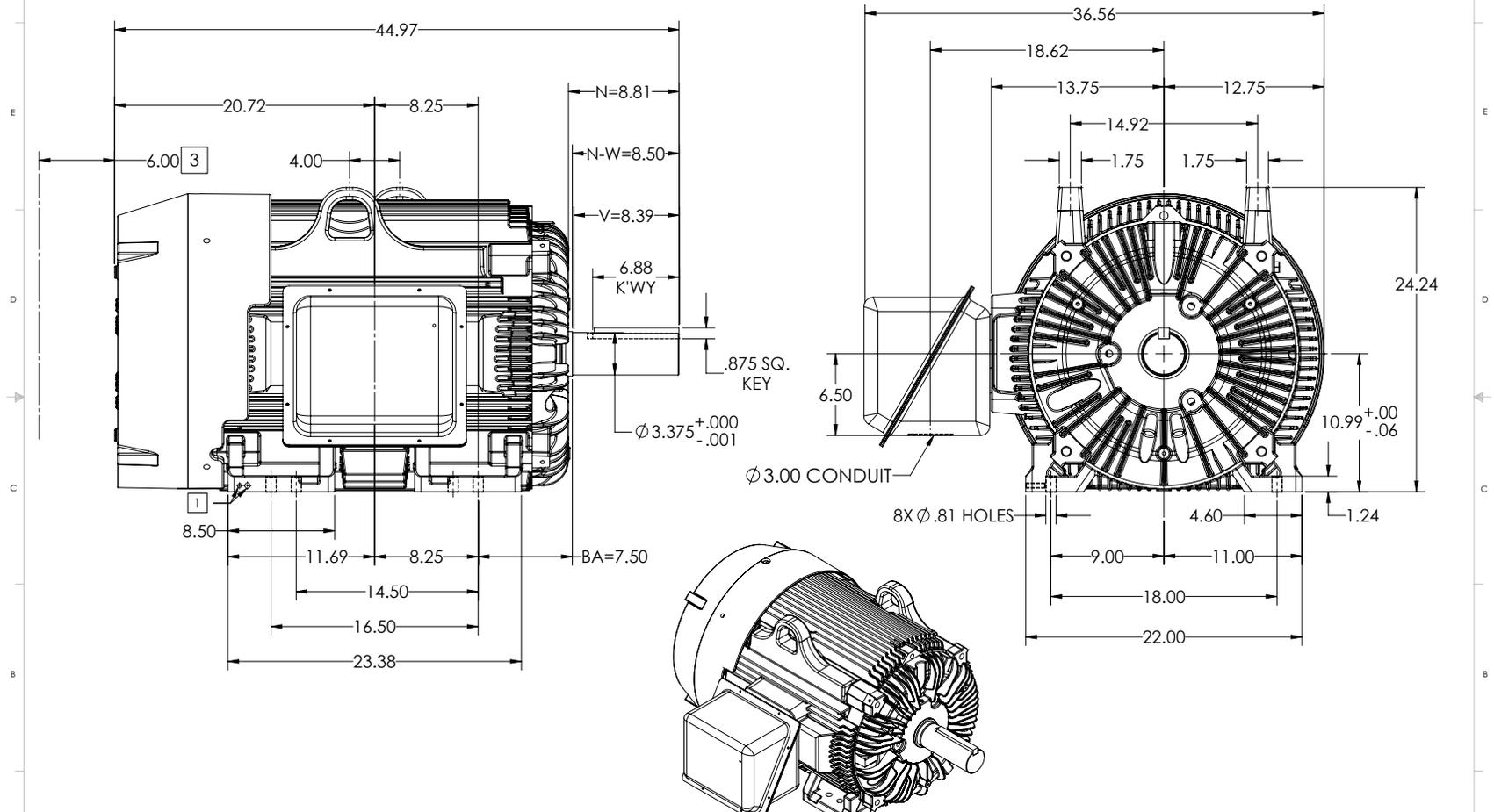
ENCLOSURE: TOTALLY ENCLOSED

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

2 WEIGHT (LBS): 2130

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

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.

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

**BALDOR**

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

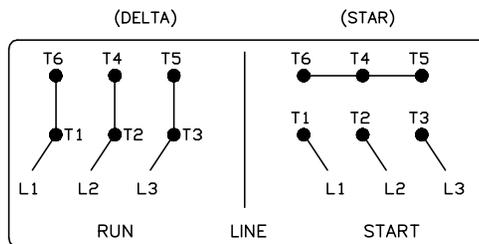
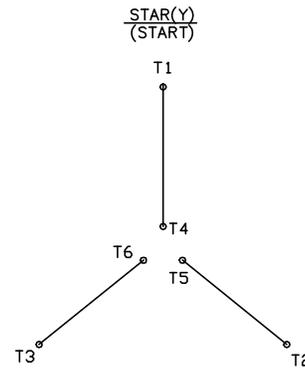
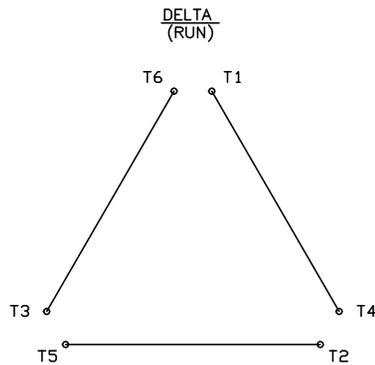
617427-476

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: 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