

**BALDOR • RELIANCE**

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# Customer information packet

## EFM4409T-4

100HP, 1190RPM, 3PH, 60HZ, 444T, TEFC, F2

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	100.000 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
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	119.000 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	119.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44064M

## Part detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3905
Layout	617427-007
Eff. date	09-04-2024
CD Diagram	416820-036
Poles	06
Leads	3#2
Proprietary	False
Created date	06-07-2014

<b>Mounting Arrangement</b>	F2
<b>Number of Poles</b>	6
<b>Overall Length</b>	44.75 IN
<b>Power Factor</b>	82
<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>	Shaft Slinger
<b>Speed</b>	1190 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None

**Nameplate**

**NP2349L**

<b>SPEC NO.</b>	A44-5899-3905	<b>CAT.NO.</b>	EFM4409T-4	<b>FRAME</b>	444T				
<b>HP</b>	100	<b>VOLTS</b>	460	<b>PHASE</b>	3	<b>DESIGN</b>	B	<b>TYPE</b>	P
<b>RPM</b>	1190	<b>AMPS</b>	119	<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>	G				
<b>SER.NO.</b>		<b>POWER FACTOR</b>	82	<b>NEMA-NOM-EFFICIENCY</b>	95				
		<b>MAX CORR KVAR</b>	27	<b>GUARANTEED EFFICIENCY</b>	94.1				
		<b>NEMA NOM/CSA QUOTED EFF</b>							
		<b>MOTOR WEIGHT</b>							

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**NP2496L**

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MOBIL POLYREX EM

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617427-007

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

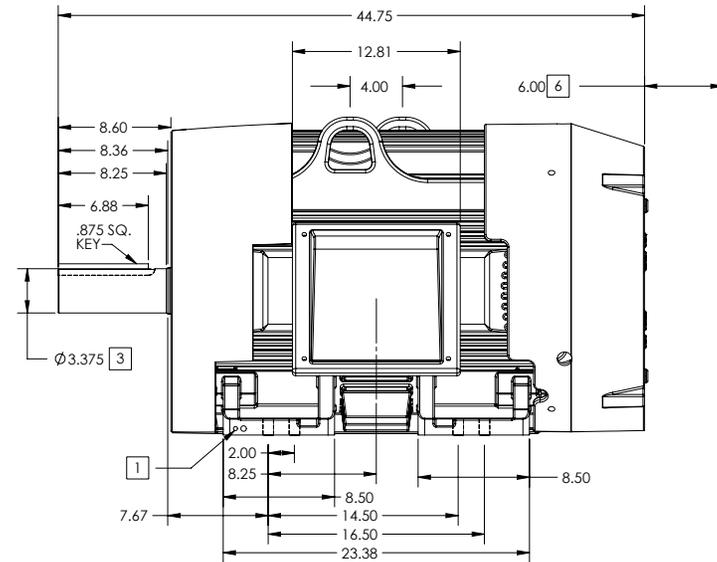
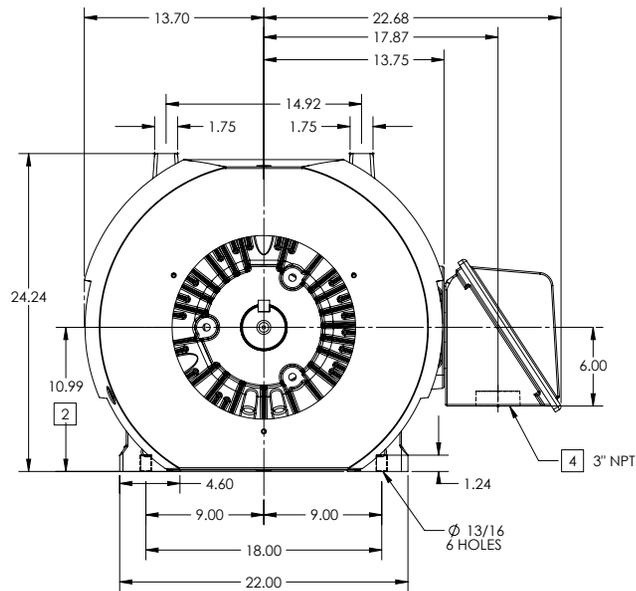
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444T FRAME MOUNTING HOLES



- 1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- 2. VARIES +.00,-.06
- 3. VARIES +.000,-.001
- 4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
- 5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- 6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

**[5] WEIGHT (LBS): 2150**

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

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

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-1.  
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.

SHEET NUMBER  
**1 OF 2**

000-LCP-119

REV. DESC INITIAL RELEASE		REVISED: 11.00.02 09/12/2012		TDR: 00000760644
REV: -	VERSION: 00	MODEL NO. 617427-007	BY: RAGTBM	Material:
			REF:	

**BALDOR**

G445T444T STD - FOOTED - SIDE/CENTER C/B - F2 MOUNT

617427-007

617427-007

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

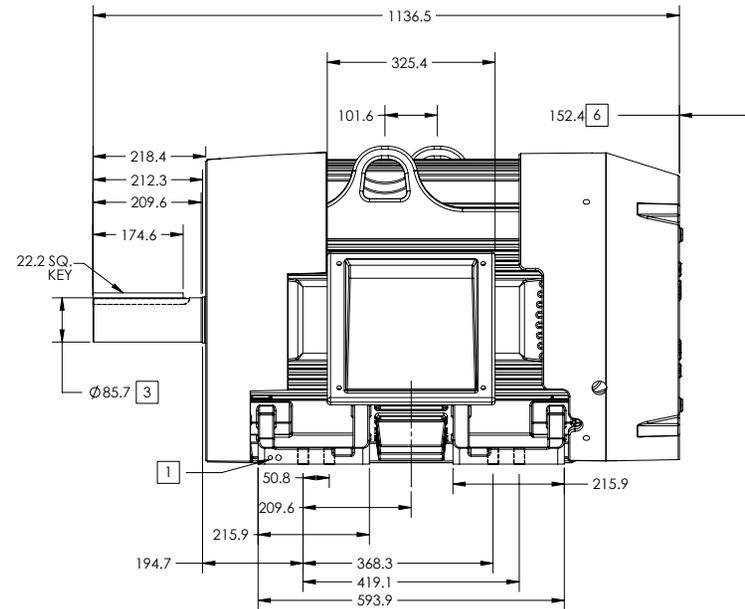
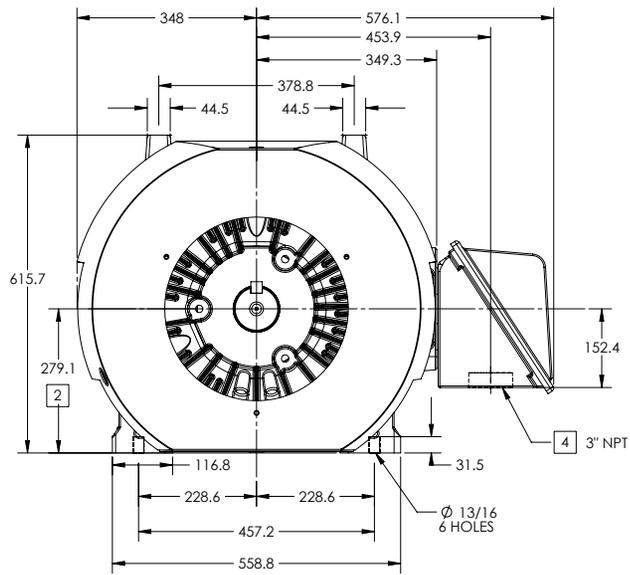
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- 5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
- 6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

**[5] WEIGHT (KGS): 975**

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 2 FOR DIMENSIONS IN INCHES

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SHEET NUMBER  
**2 OF 2**

000-LCP-119

REV. DESC INITIAL RELEASE			
REV: -	VERSION: 00	REVISED: 11.00.02 09/12/2012	TDR: 00000760644
MODEL NO. 617427-007		REF:	
BY: RAGTBM	Material:	C	

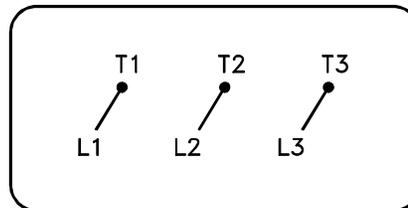
**BALDOR**

G445T444T STD - FOOTED - SIDE/CENTER C/B - F2 MOUNT

617427-007

416820-036

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11:54:06 04/30/2010	
MTL: -	BY: RAGRA	

**BALDOR**

CONN DIAG - STANDARD 3 LEAD  
SH 1 of 1