

BALDOR • RELIANCE

Customer information packet

ECP849156T-4

150HP, 1190RPM, 3PH, 60HZ, 447T, A44120M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	170.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2A
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG

Part detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1496
Layout	617423-019
Eff. date	04-08-2021
CD Diagram	416820-036
Poles	06
Leads	3#1/0
Proprietary	False
Created date	10-19-2010

Motor Standards	NEMA
Motor Type	A44120M
Mounting Arrangement	F1
No Load Current	38.6 a
Number of Poles	6
Overall Length	48.24 IN
Power Factor	86
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	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007ET											
CAT NO	ECP849156T-4	SPEC NO.		P44G3752							
HP	150	AMPS	170	VOLTS		460		DESIGN		B	
FRAME SIZE	447T	RPM	1190	HZ	60	AMB	40	SF	1.15		
D.E. BRG.	90BC03J30X	PH	3	DUTY	CONT		INSUL.CLASS		F		
O.D.E. BRG.	90BC03J30X	TYPE	P	ENCL	TEFC	CODE	F				
D.E.BRG.DATA	6318	POWER FACTOR		85.5		NEMA-NOM-EFFICIENCY			95.8		
O.D.E.BRG.DATA	6318	MAX CORR KVAR		25.0		GUARANTEED EFFICIENCY			95.0		
3/4 LOAD EFF.	95.8	NEMA NOM/CSA QUOTED EFF									
SER.NO.		MOTOR WEIGHT		2598							

000613007EX

CAT NO	ECP849156T-4	SPEC NO.	P44G3752	
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM	
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE		38.6
5 YEAR WARRANTY		WINDING RES @25 C	.03239	OHMS
MFG. DATE		SER.NO		

000692000UJ

TCODE	T2A	TEMP	280	CL I DIV 2 GR	ABCD
CL.1,ZONE 2,GR	IIAIBIIC	CL II DIV 2 GR		X X X	
MOTOR I.D. NO.					

617423-019

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

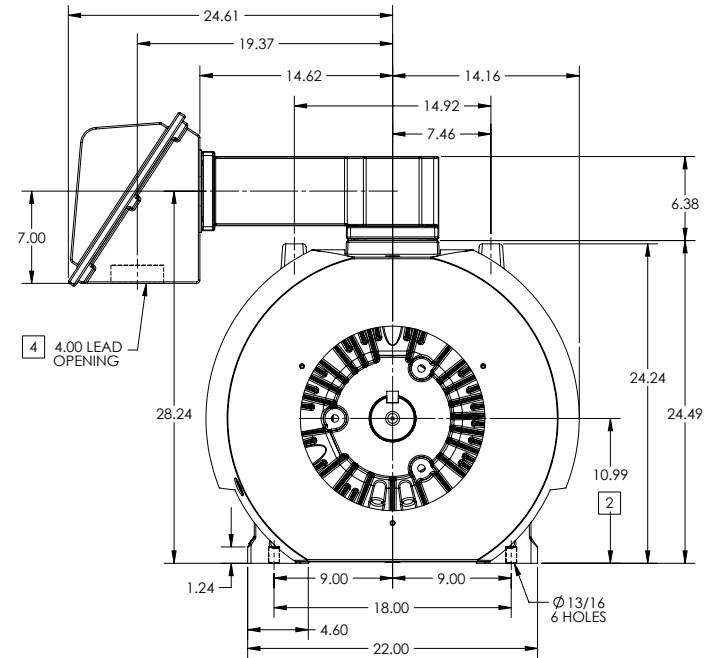
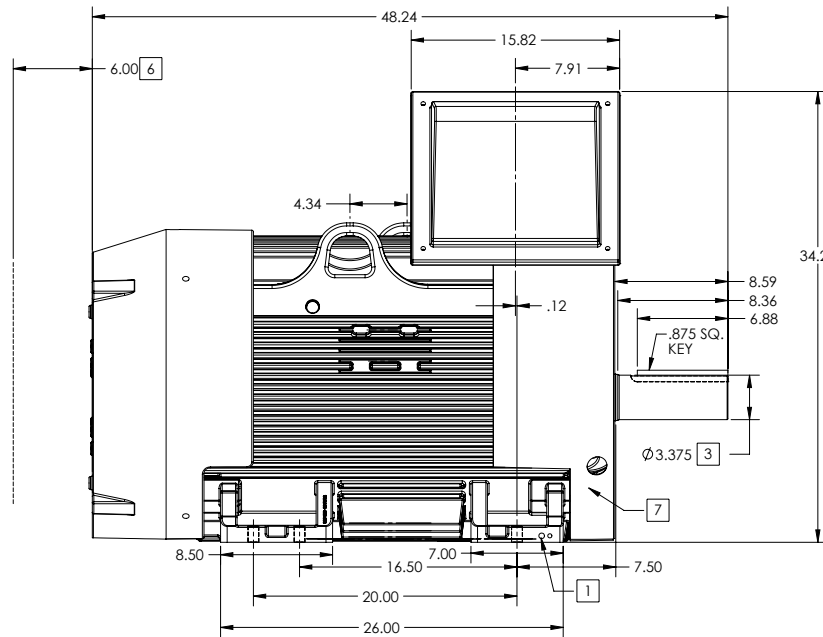
FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES

841-XL



- 1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- 2. VARIES +.00,-.06
- 3. VARIES +.00,-.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.
- 7. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
 IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
 MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .0015" T.I.R. FOR BALL BEARING MOTORS AND .002" T.I.R. FOR ROLLER BEARING MOTORS TO 5 INCH DIA.

WEIGHT (LBS): 2545

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

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

REV. A	VERSION: 01	REVISED: 01-09-13 08/19/2010	TDR: 00000554409
MODEL NO. 617423-019		REF:	
BY: RAGTBM		Material:	

BALDOR

DIM SHEET G445/447T TEFC HORIZ FT MTG 841-XL

610-C3719

617423-019

617423-019

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

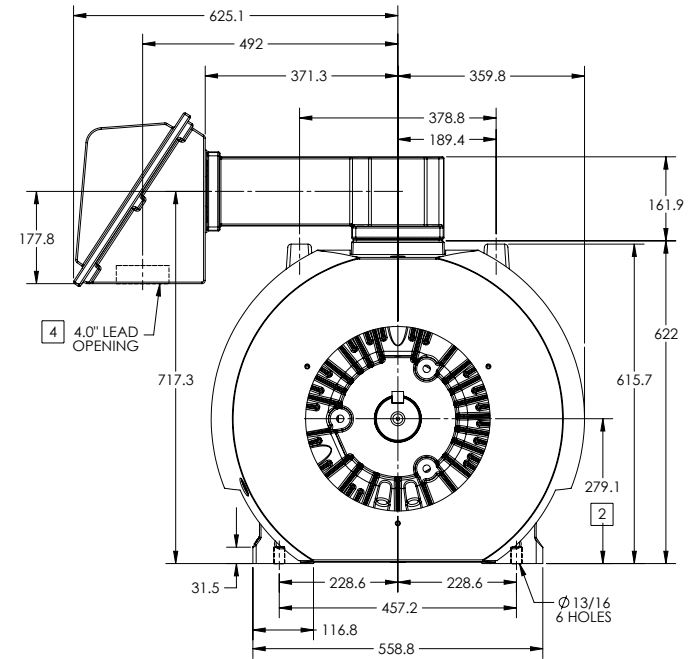
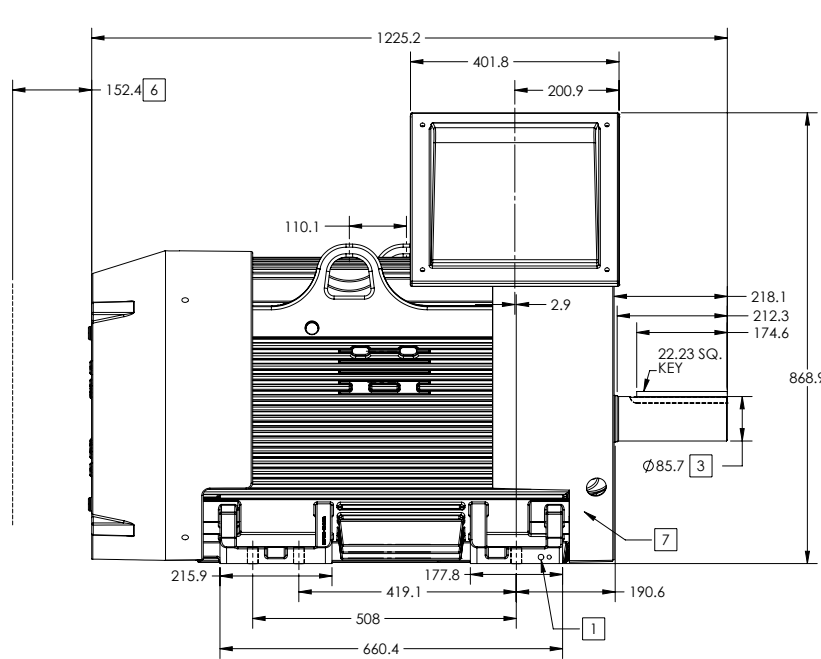
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WEIGHT (KGS): 1155

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

REV. DESC: ADDED NOTE #7 TO DRAWING			
REV: A	VERSION: 01	REVISED: 01-09-13 08/19/2010	TDR: 00000554409
MODEL NO. 617423-019		REF:	
BY: RAGTBM	Material:	C	

BALDOR

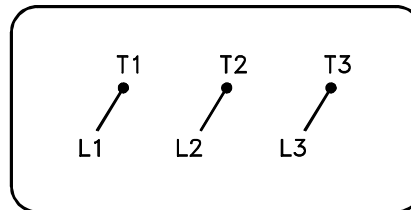
DIM SHEET G445/447T TEFC HORIZ FT MTG 841-XL

610-C27-19

617423-019

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