

ABB BALDOR RELIANCE III

Customer information packet

ECP849252T-4

250HP, 3570RPM, 3PH, 60HZ, 449TS, A44128M, TEF

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	449TS
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	266.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2D
Heater Indicator	No Heater
High Voltage Full Load Amps	266.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG

Part Detail

Revision	X
Type	AC
Mech. spec.	
Base	
Status	NLA/A
Elec. spec.	A44WG1505
Layout	617423-017
Eff. date	09-29-2026
CD Diagram	416820-036
Poles	02
Leads	3#2/0 (02 per group)
Proprietary	False
Created date	10-19-2010

Motor Standards	NEMA
Motor Type	A44128M
Mounting Arrangement	F1
No Load Current	42.4 a
Number of Poles	2
Overall Length	49.48 IN
Power Factor	91
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007ET												
CAT NO	ECP849252T-4			SPEC NO.		P44G3768						
HP	250	AMPS	266		VOLTS		460		DESIGN		B	
FRAME SIZE	449TS	RPM	3570		HZ		60	AMB	40	SF	1.15	
D.E. BRG.	65BC03J30X		PH	3	DUTY	CONT		INSUL.CLASS			F	
O.D.E. BRG.	65BC03J30X		TYPE	P	ENCL	TEFC	CODE	G				
D.E.BRG.DATA	6313		POWER FACTOR			91.2		NEMA-NOM-EFFICIENCY				96.2
O.D.E.BRG.DATA	6313		MAX CORR KVAR			23.0		GUARANTEED EFFICIENCY				95.8
3/4 LOAD EFF.	96.2		NEMA NOM/CSA QUOTED EFF									
SER.NO.				MOTOR WEIGHT				2798				

000613007EX				
CAT NO	ECP849252T-4	SPEC NO.	P44G3768	
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM	
NO. SLOTS	48	NL AMPS AT RATED VOLTAGE		42.4
5 YEAR WARRANTY		WINDING RES @25 C	.01178	OHMS
MFG. DATE		SER.NO		

000692000UJ					
TCODE	T2D	TEMP	215	CL I DIV 2 GR	ABCD
CL.1,ZONE 2,GR	IIAIIIBIIC	CL II DIV 2 GR		X X X	
MOTOR I.D. NO.					

617423-017

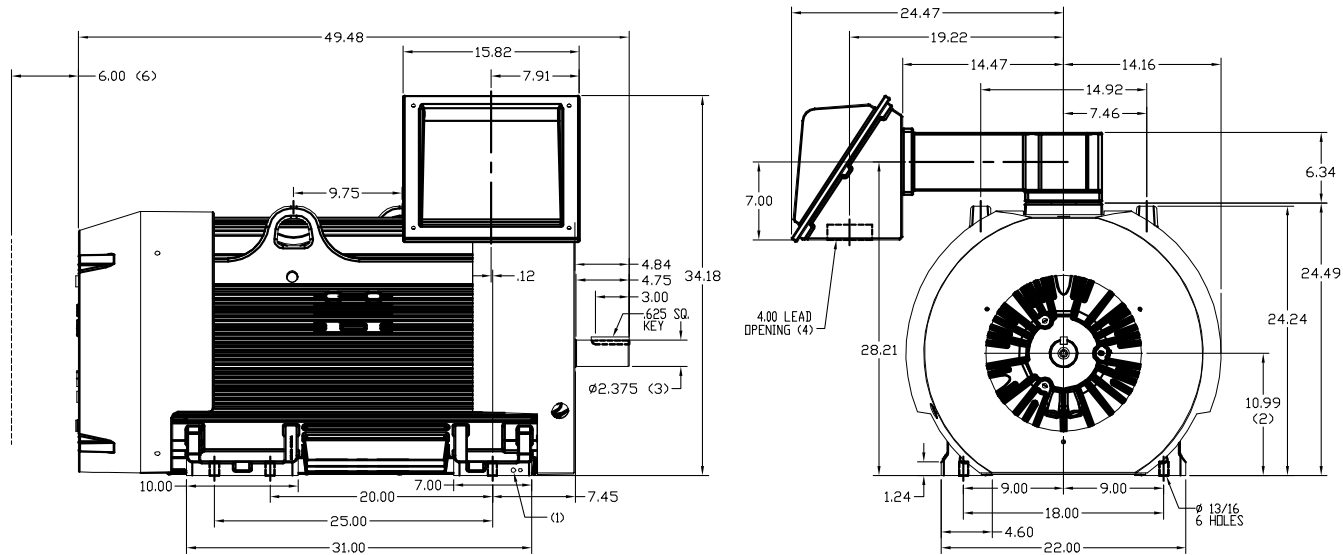
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447TS 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 +.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 NOT ENCRUST ON AIR INLET
- 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 6.5" INCH DIA.

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW DRAWING		
REV. LTR: -	VERSION: 00	TDR: 000000543699
FILE: \RAG\00009\096	REVISED: 08:53:21 06/04/2010	BY: RAGEC
MTL: -		

BALDOR

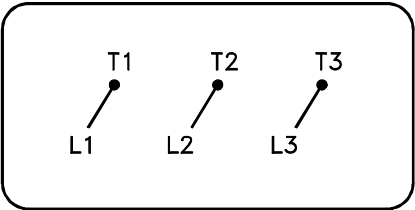
DIM SHEET G447/449TS TEFC HORZ FT MTG 841-XL

SH 1 of 1

617423-017

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