

**BALDOR • RELIANCE**

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# Customer information packet

## ECP44252T-4

250HP, 3570RPM, 3PH, 60HZ, 449TS, A44112M, TEF

Class - None

Division - Division II

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## Specifications

Enclosure	TEFC
Frame	449TS
Frame Material	Iron
Frequency	60.00 Hz
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
XP Class and Group	None
XP Division	Division II
Agency Approvals	CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	30-60
Current @ Voltage	269.000 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	269.0 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
Motor Standards	NEMA
Motor Type	A44112M

## Part detail

Revision	Q
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1559
Layout	617427-006
Eff. date	04-08-2021
CD Diagram	416820-036
Poles	02
Leads	3#2/0 (02 per group)
Proprietary	False
Created date	08-16-2012

<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	49.48 IN
<b>Power Factor</b>	90
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Service Factor</b>	1.15
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	3570 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
<b>XP Temp Code</b>	T2C

**Nameplate**

**NP3238**

<b>CAT NO</b>	ECP44252T-4	<b>SPEC NO.</b>	P44G3950						
<b>HP</b>	250	<b>AMPS</b>	269	<b>VOLTS</b>	460	<b>DESIGN</b>	B		
<b>FRAME</b>	449TS	<b>RPM</b>	3570	<b>HZ</b>	60	<b>AMB</b>	40	<b>SF</b>	1.15
<b>D.E. BRG.DATA</b>	6313	<b>O.D.E. BRG.DATA</b>	6313	<b>PH</b>	3	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F
<b>D.E. BRG.</b>	65BC03J30X	<b>TYPE</b>	P	<b>ENCL</b>	TEFC	<b>CODE</b>	G		
<b>O.D.E. BRG.</b>	65BC03J30X	<b>POWER FACTOR</b>	90	<b>NEMA NOM EFFICIENCY</b>	95.8				
<b>3/4 LOAD EFF.</b>	96.3	<b>MAX CORR KVAR</b>	28.0	<b>GUARANTEED EFFICIENCY</b>	95.4				
<b>TEMP CODE</b>	T2C	<b>TEMP =</b>	230						
<b>CHP HZ</b>	60-75	<b>CT HZ</b>	30-60	<b>VT HZ</b>	0-60				
<b>INVERTER-TEMP-CODE</b>	T2C								
<b>SER.NO.</b>		<b>MOTOR WEIGHT</b>							

## Parts list

Part number	Description	Quantity
SA249720	SA P44G3950	1.000 ea
RA236580	RA P44G3950	1.000 ea
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
004824015A	GREASE POLYREX EM	0.544 lb
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018012BK	HHCS 5/16-16X1-1/2PLATED	4.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 ea
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
034690005AB	PPLG 3/4 PLATED	1.000 ea
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 ea
089490097A	BRKT 089490102WCA	1.000 ea
410700004F	WSHR	1.000 ea
415072001B	CLAMP	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
702676001D	FAN 250-440	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 ea
034000013AB	WSHR 5/16" PLATED-440	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 ea
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea

035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
089490097A	BRKT 089490102WCA	1.000 ea
415915007K	GASK, 26" LAC	1.000 ea
415045002E	SLGR	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 ea
702623012A	THERMAL BARRIER, G28	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
067053014A	GASK 440	1.000 ea
076870000BA	CONDUIT BOX - 440 - 1/2-13 GROUND	1.000 ea
076871000A	+CBOX CVR BLKT - 449	1.000 ea
406056007A	GASKET, 440	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180024HA	KEY 5/8X5/8X3 L	1.000 ea
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.375 ga
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.094 ga
L482401016	SPRAY AC-29-7S	0.019 ga
421948051	LABEL, MYLAR	1.000 ea
PK5005A01	WOOD BASE 449 60 X 41-1/2 BLT 25 X 18	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
LB1449	DIV-2/NEC WARNING LABEL	1.000 ea
412118006A	DRAIN	2.000 ea

**DUTY MASTER ALTERNATING CURRENT MOTORS**  
SQUIRREL-CAGE INDUCTION

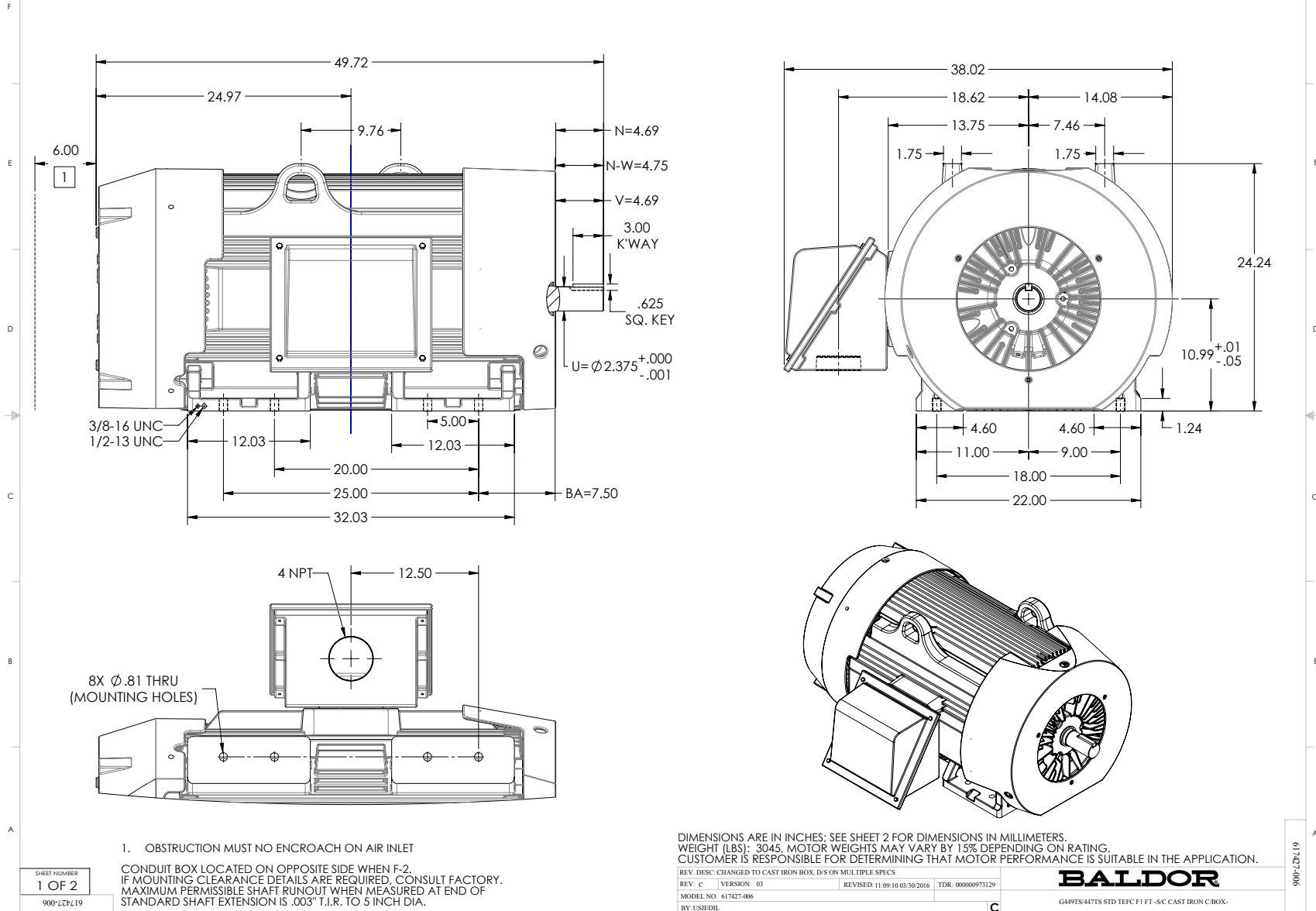
617427-006

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1

449TS/447TS FRAME MOUNTING HOLES

COOLING: FAN COOLED



617427-006

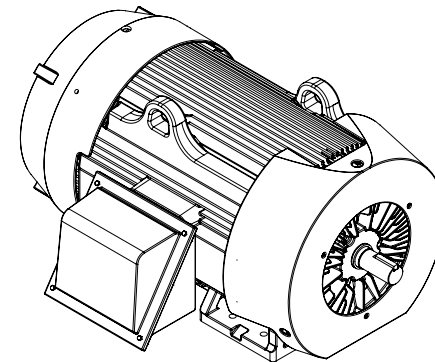
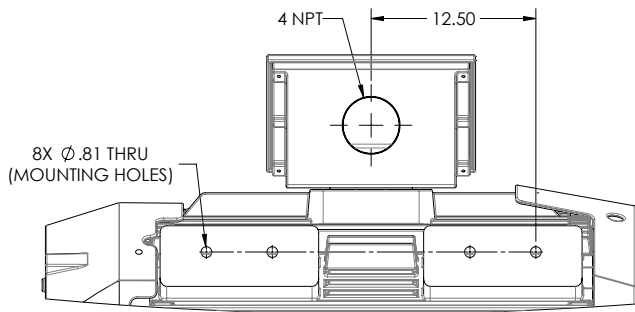
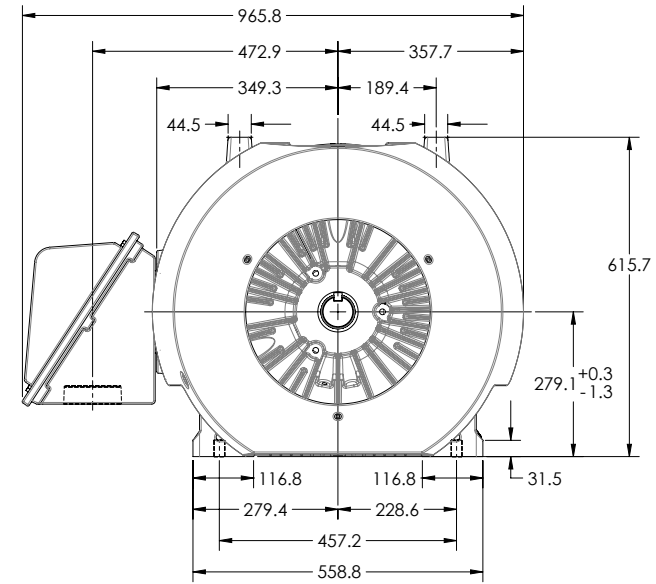
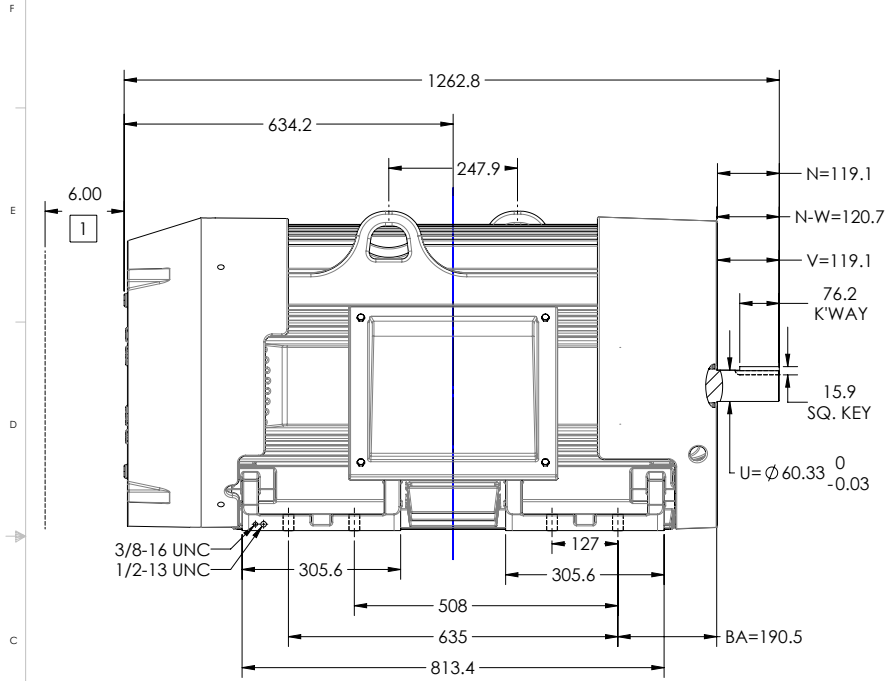
ENCLOSURE: TOTALLY ENCLOSED

**DUTY MASTER ALTERNATING CURRENT MOTORS**  
SQUIRREL-CAGE INDUCTION

MOUNTING: FOOT, F-1

449TS/447TS FRAME MOUNTING HOLES

COOLING: FAN COOLED



1. OBSTRUCTION MUST NO ENCROACH 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 .08 MM T.I.R. TO 127 MM DIA.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES.  
WEIGHT (KGS): 1380. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.  
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
**2 OF 2**  
9007-2727-119

REV. DESC: CHANGED TO CAST IRON BOX, D/S ON MULTIPLE SPECS  
REV: C VERSION: 03 REVISED: 11-09-10 03:30/2016 TDR: 00000973129  
MODEL NO. 617427-006  
BY: USJEDIL

**BALDOR**

G449TS/447TS STD TEF C1 FT -S/C CAST IRON C/BOX-

617427-006



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