

BALDOR® • RELIANCE

Product Information Packet

ECR93004T-4

300HP,1785RPM,3PH,60HZ,449T,A44144M,TEFC

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44144M	Elec. Spec:	A44WG5110	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-091
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	02-05-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-17-2015
Leads:	3#1 (04 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613007PV

CAT NO	ECR93004T-4		SPEC NO.	P44G1818		DESIGN	A	INSUL.CLASS	F
HP	300	AMPS	336	VOLTS	460	SF	1.15		
RPM	1785	RPM MAX	3600	HZ	60	AMB	40		
D.E. BRG.DATA	6318	O.D.E. BRG.DATA	6318	PH	3	DUTY	CONT		
FRAME	449T	I.P.	55	TYPE	P	ENCL	TEFC	CODE	H
POWER FACTOR	87	3/4 LOAD EFF.		96.1		NEMA NOM EFFICIENCY		96.2	
CHP HZ	60-90	CT HZ	30-60	VT HZ	6-60				
SER.NO.			MOTOR WEIGHT		2888				

Nameplate NP2496L		
MOBIL POLYREX EM		

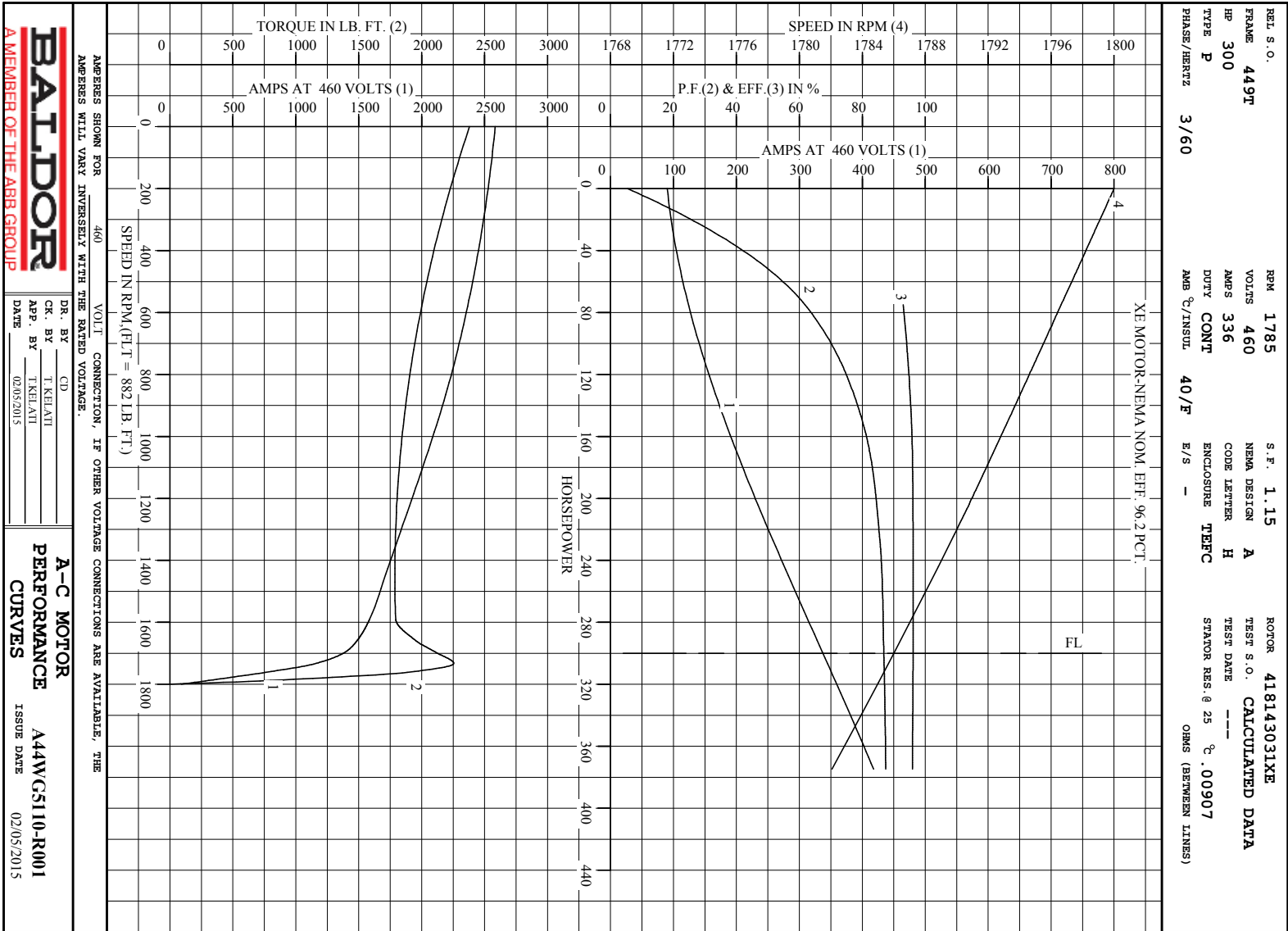
Parts List		
Part Number	Description	Quantity
SA293594	SA P44G1818	1.000 EA
RA279687	RA P44G1818	1.000 EA
000613007PV	SS NP, CRUSHER DUTY, EMBOSSED,MAIN MOTOR	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 EA
034530064BB	P/NIP 1/4X8 PLATED	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	2.000 EA
078557001E	FAN 440 078557001F	1.000 EA
083199082A	G28 FAN COVER MACHINING SHORT VERSION	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
410700004A	WSHR	1.000 EA
412118006A	DRAIN	1.000 EA
415045002A	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
415096002A	CPLG 1/8 HEX TYPE	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
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 EA
034530064BB	P/NIP 1/4X8 PLATED	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
412118006A	DRAIN	1.000 EA
415915007G	GASK, LAC	1.000 FT
415045002A	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151014G	RETAIN RING	1.000 EA
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	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
076870000B	+CBCST BLKT - 440	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
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	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
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
MG1025G96	WILKOFASST SG, 779.7048, MOUSE GRAY #7048	0.500 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 LABLE	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	300	P	3/60	1785	460
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
336	CONT	40/F	1.15	A	H	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
-	418143031XE	---	---	.00907		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	90.8	1800	5.40	0	
1/4	75.0	122	1797	61.8	93.0	
2/4	150	183	1793	80.0	95.6	
3/4	225	256	1790	85.5	96.2	
4/4	300	336	1786	86.8	96.2	
5/4	375	418	1782	87.4	95.9	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	270	2380	2583		
PULL UP	1450	203	1787	1710		
BREAKDOWN	1733	256	2255	1157		
FULL LOAD	1786	100	882	336		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: CALCULATED DATA XE MOTOR-NEMA NOM. EFF. 96.2 PCT.						
		DR. BY _____ CK. BY _____ T. RELAYT DATE 02/05/2015		A-C MOTOR PERFORMANCE DATA A44WG5110-R001 ISSUE DATE 02/05/20		

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

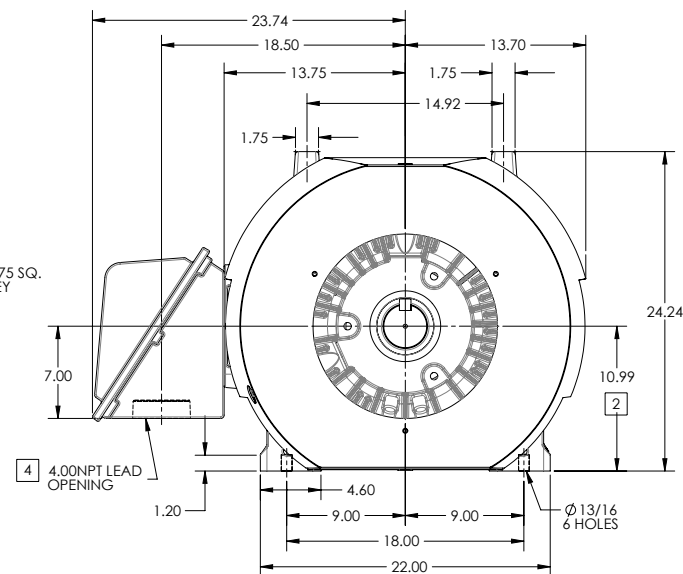
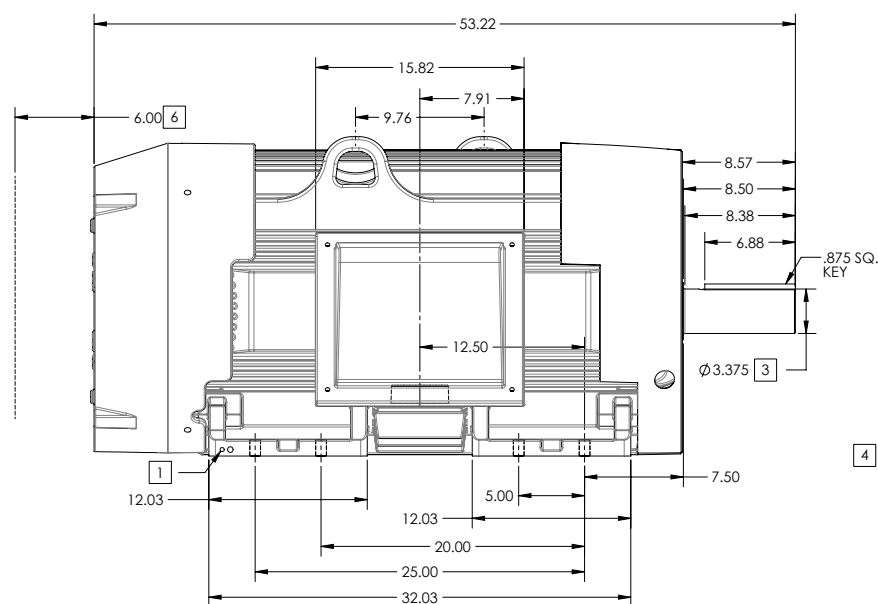
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447T FRAME MOUNTING HOLES



- GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- VARIES +.01,-.05
- VARIES +.000,-.001
- ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
- MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
- 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 .003" T.I.R. TO 5 INCH DIA.

5 WEIGHT (LBS): 3080

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES

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

SHEET NUMBER
1 OF 2

1607-27-091

REV. DESC: ADD C DIMENSION	REV. B	VERSION: 02	REVISED: 02-45-42 09/29/2015	TDR: 000000942902
MODEL NO. 617427-091	BY: USBRCHA2			

BALDOR

G449/447T SIDE MOUNT C-BOX,TEFC

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

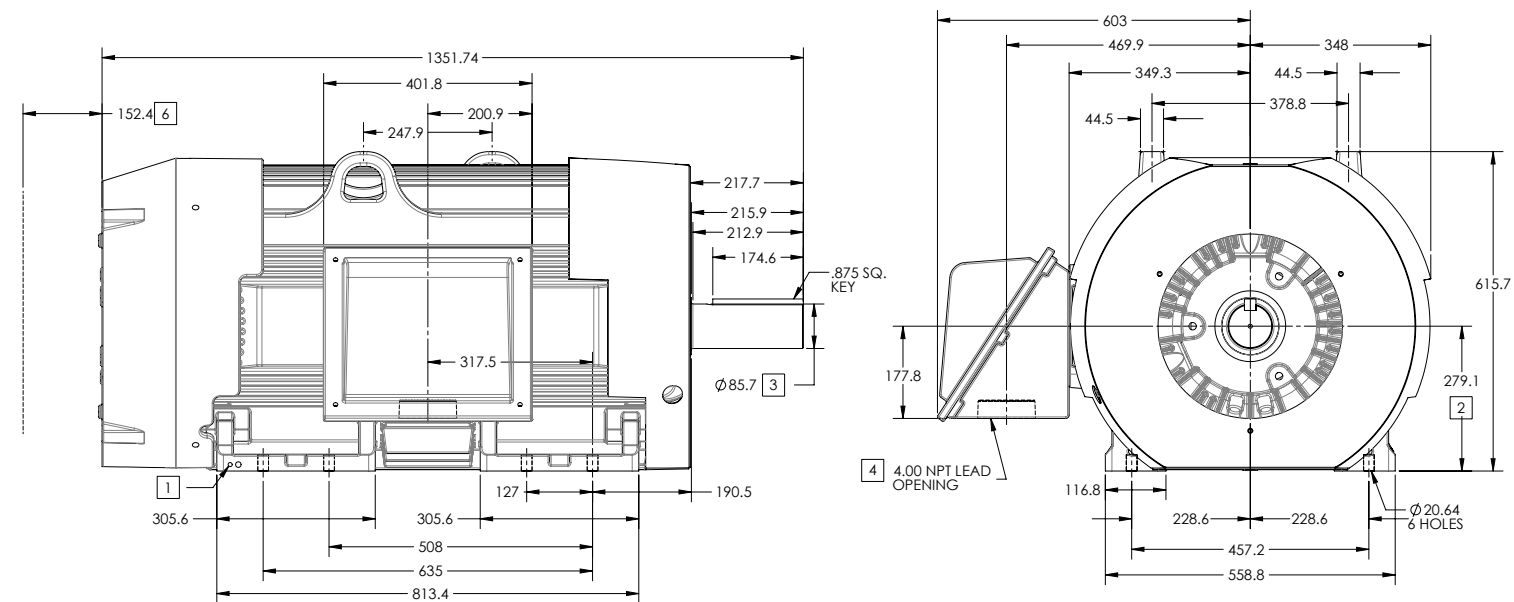
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 449T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-1.524
3. VARIES +.000,-.0254
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCR OACH 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 .0762 T.I.R. TO 127 MM DIA.

5 MASS (KGS): 1395

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

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

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

 SHEET NUMBER
2 OF 2

1607-27-091

REV. DESC: ADD C DIMENSION	REV. B	VERSION: 02	REVISED: 02-45-42 09/29/2015	TDR: 000000942902
MODEL NO. 617427-091	BY: USBRCHA2			

BALDOR

G449/447T SIDE MOUNT C-BOX,TEFC

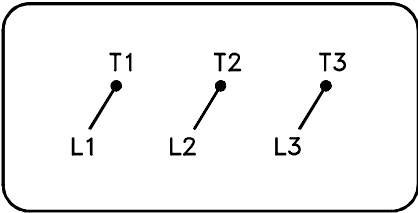
416820-036

A-C MOTOR

CONNECTION DIAGRAM

STANDARD 3 LEAD

CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	

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