

BALDOR® • RELIANCE

Product Information Packet

ECR91504T-4

150HP,1785RPM,3PH,60HZ,445T,A4488M,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A4488M	Elec. Spec:	A44WG5113	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-315
Frame:	445T	Mounting:	F1	Poles:	04	Created Date:	02-06-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	10-26-2015
Leads:	3#2 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613007PV

CAT NO	ECR91504T-4		SPEC NO.	P44G1809		DESIGN	A	INSUL.CLASS	F
HP	150	AMPS	168	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	445T	I.P.	55	TYPE	P	ENCL	TEFC	CODE	H
POWER FACTOR	87	3/4 LOAD EFF.		95.9		NEMA NOM EFFICIENCY		95.8	
CHP HZ	60-90	CT HZ	10-60	VT HZ	6-60				
SER.NO.			MOTOR WEIGHT		1826				

Nameplate NP2496L		
MOBIL POLYREX EM		

Parts List		
Part Number	Description	Quantity
SA293601	SA P44G1809	1.000 EA
RA279694	RA P44G1809	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000613007PV	SS NP, CRUSHER DUTY, EMBOSSED,MAIN MOTOR	1.000 EA
000692000FF	N/P	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415072001B	CLAMP	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
078549001DA	FAN 400 078549001F	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
410700004A	WSHR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530064BB	P/NIP 1/4X8 PLATED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
412118006A	DRAIN	1.000 EA
415045002A	SLGR	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
415915007G	GASK, LAC	1.000 FT
418151014G	RETAIN RING	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA
415045002A	SLGR	1.000 EA
412118006A	DRAIN	1.000 EA
034530044BB	P/NIP 1/4X5-1/2L PLT	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
406056007A	GASKET, 440	1.000 EA
076863000C	+CBCST BLKT - 440	1.000 EA
076864000A	CB CVRCST BLKT - 440	1.000 EA
067053001C	GASK 440	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA

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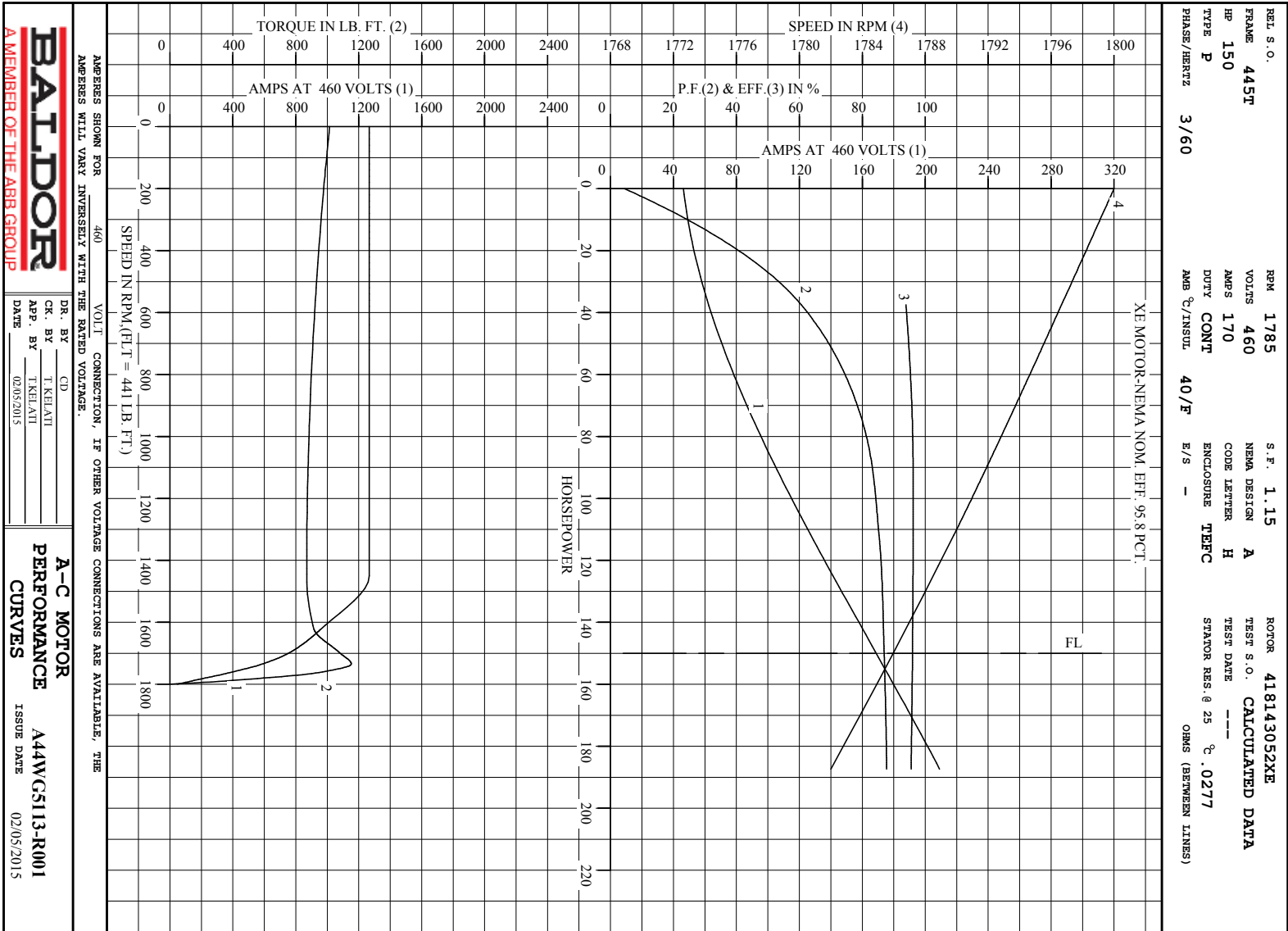
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
MG1025G96	WILKOFASG SG, 779.7048, MOUSE GRAY #7048	0.440 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	150	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
170	CONT	40/F	1.15	A	H	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143052XE	---	---	.0277		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	46.5	1800	4.42	0	
1/4	37.5	61.7	1797	60.6	93.9	
2/4	75.1	91.6	1793	80.0	95.9	
3/4	112	128	1790	85.4	96.2	
4/4	150	168	1786	87.0	96.0	
5/4	187	209	1782	87.7	95.5	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	230	1015	1268		
PULL UP	1450	197	870	1266		
BREAKDOWN	1734	261	1153	588		
FULL LOAD	1786	100	441	168		

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. 95.8 PCT.

BALDOR A MEMBER OF THE ABB GROUP	DR. BY	CD	A-C MOTOR PERFORMANCE DATA	A44WG5113-R001 ISSUE DATE 02/05/20
	CK. BY	T. RELAY		
	AP. BY	T. RELAY		
	DATE	02/05/2015		



DUTY MASTER ALTERNATING CURRENT MOTORS SQUIRREL-CAGE INDUCTION

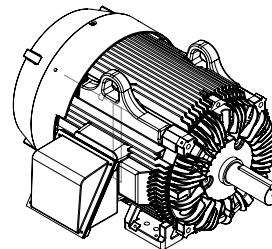
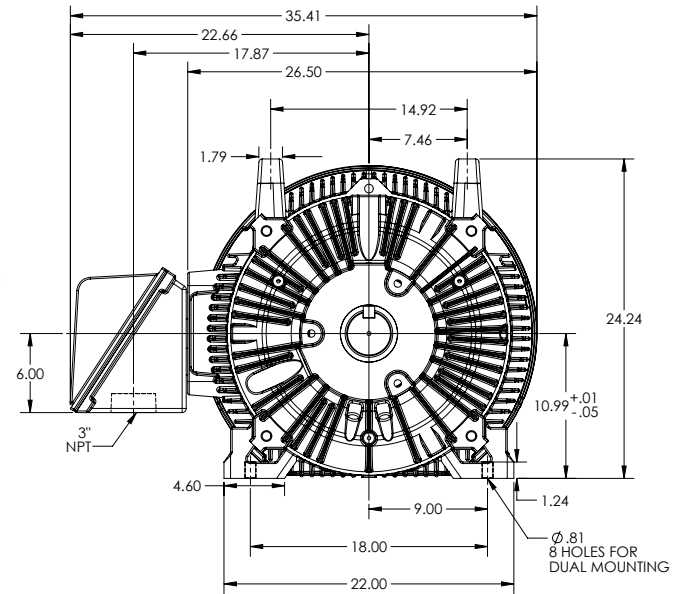
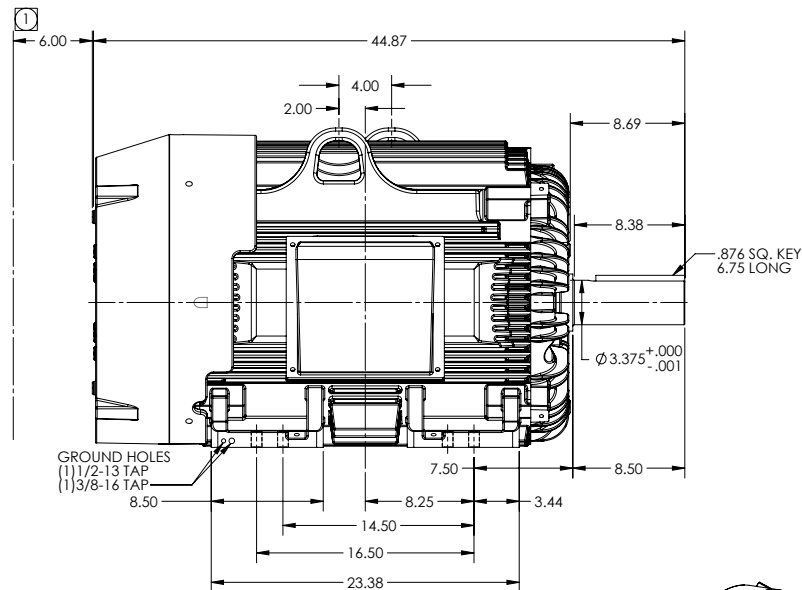
617427-315

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

FRAMES G445T/444T

COOLING: FAN COOLED



① OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

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.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN INCHES FOR MILLIMETERS SEE SHEET (2)

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

SHEET NUMBER
1 OF 2

51E-27-119

REV. DESC: NEW
REV: - VERSION: 00
MODEL NO. 617427-315
BY: RAGAH

REVISED: 09/06/36 12/05/2014

TDR: 000000881952

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C.I. C/B ROLLER BRG

617427-315

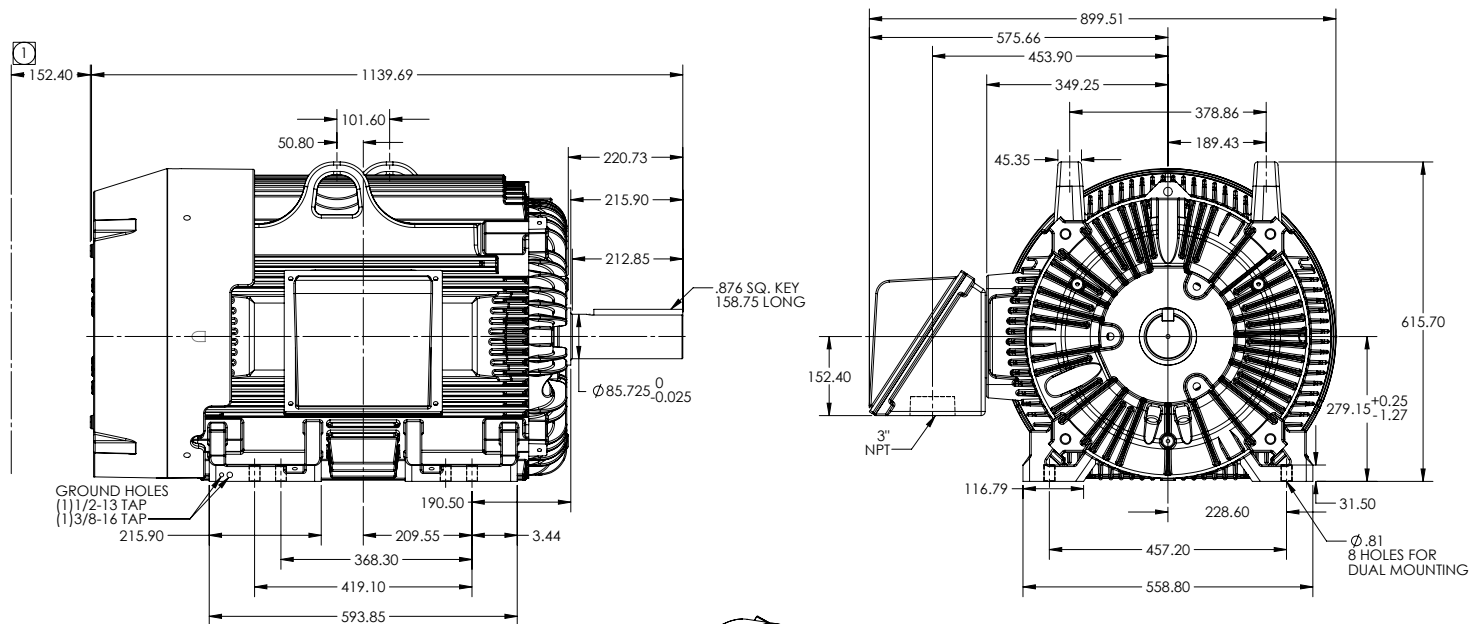
DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

FRAMES G445T/444T

COOLING: FAN COOLED



① OBSTUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN MILLIMETERS FOR INCHES SEE SHEET 1

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

REV. DESC: NEW			
REV: .	VERSION: 00	REVISED: 09:06:36 12/05/2014	TDR: 000000881952
MODEL NO. 617427-315			
BY: RAGAJH			

BALDOR®

G445T/444T STD - FOOTED - SIDE/CENTER C.I. C/B ROLLER BRG

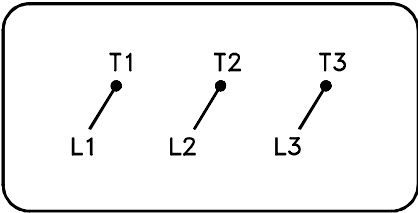
416820-036

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	