

BALDOR® • RELIANCE

Product Information Packet

EM4416T-4

200HP,3570RPM,3PH,60HZ,447TS,A44104M,TEF

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44104M	Elec. Spec:	A44WG3376	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-005
Frame:	447TS	Mounting:	F1	Poles:	02	Created Date:	08-14-2012
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	3#1 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

CAT.NO.	EM4416T-4	SPEC NO.	P44G3911
HP	200	AMPS	213
FRAME	447TS	RPM	3570
DRIVE END BEARING	65BC03J30X	HZ	60
OPP D.E. BEARING	65BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	F
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	TEFC
		CODE	G
		POWER FACTOR	91
		NEMA-NOM-EFFICIENCY	95.4
		MAX CORR KVAR	21.0
		GUARANTEED EFFICIENCY	94.5
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	2355

Parts List		
Part Number	Description	Quantity
SA249405	SA P44G3911	1.000 EA
RA236270	RA P44G3911	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
089490097A	BRKT 089490102WCA	1.000 EA
415072001B	CLAMP	1.000 EA
083199126RA	G28 MOLDED FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
412118006A	DRAIN	1.000 EA
034530056AB	1/8 X 7 PP NIPPLE	1.000 EA
032018012BK	HHCS 5/16-16X1-1/2PLATED	4.000 EA
702675001D	FAN 250-440	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
410700004F	WSHR	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA

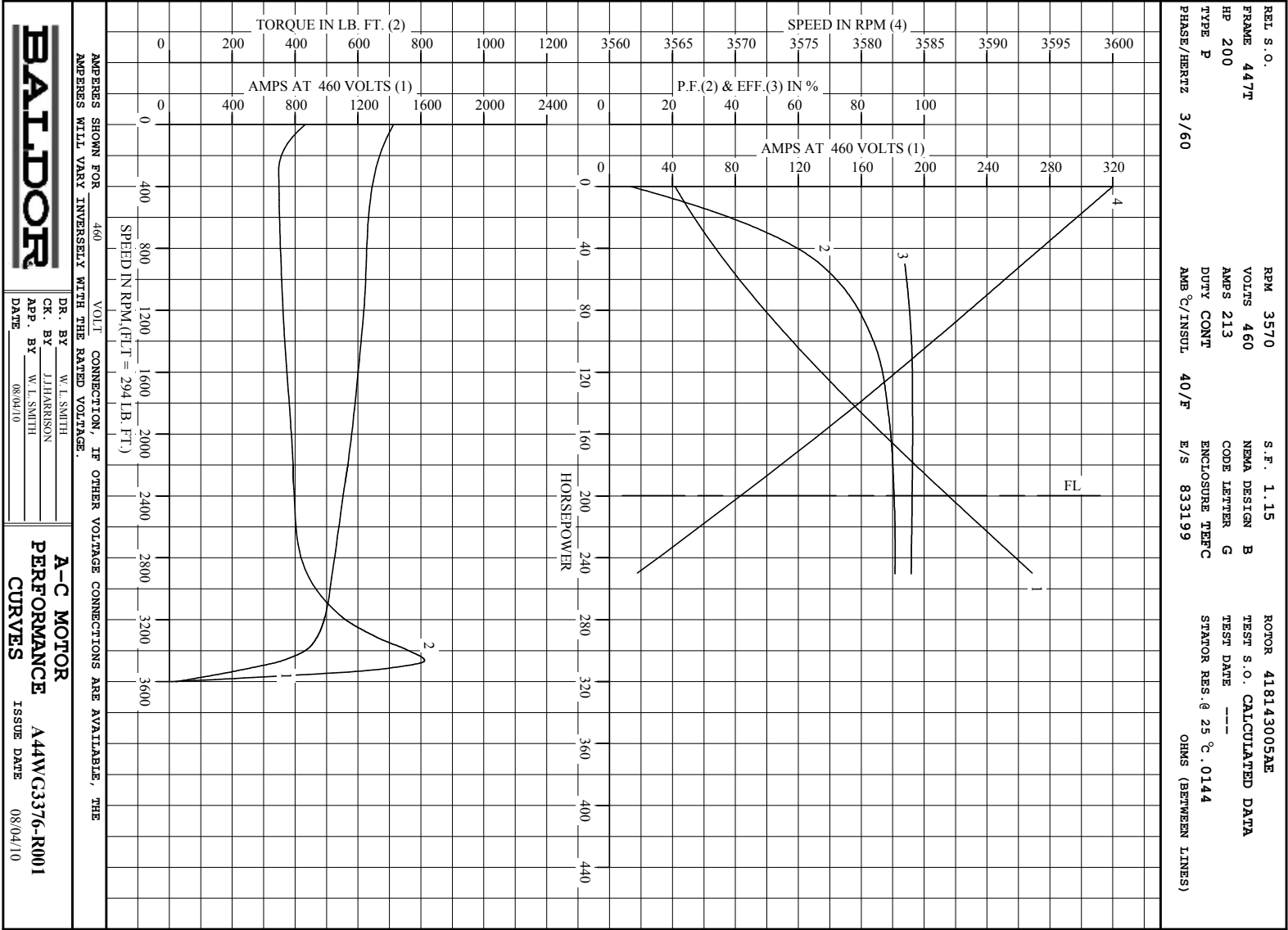
Parts List (continued)		
Part Number	Description	Quantity
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
702623012A	THERMAL BARRIER, G28	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
034000013AB	WSHR 5/16" PLATED-440	3.000 EA
089490097A	BRKT 089490102WCA	1.000 EA
415915007K	GASK, 26" LAC	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
415045002E	SLGR	1.000 EA
412118006A	DRAIN	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
702658001B	+C/BOX, PAINTED 440	1.000 EA
702658002A	+C/BOX CVR, PAINTED 440	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA
418153001A	GASK 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA

Product Information Packet: EM4416T-4 - 200HP,3570RPM,3PH,60HZ,447TS,A44104M,TEF

418150003A	GREASE FITTING CAP	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.375 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA
604797056	WOOD BASE 447 60 X 41-1/2 BLT 20 X 18	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA

Accessories		
Part Number	Description	Multiplier
089490104B	BRKT,DE 089490103WCA, C-Face	P1
089490108A	D-FLANGE EP MACHINING, G28 W/6313 BRG	P1

Printed on 2/3/11 14:19 @ usmgchengdev1



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

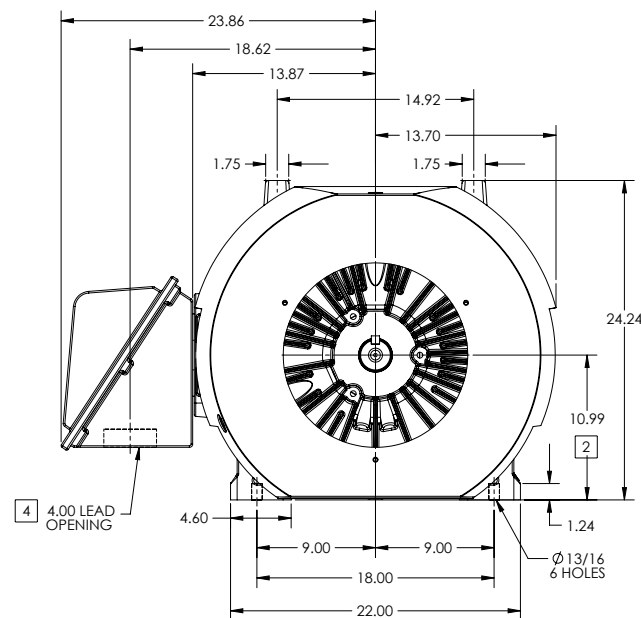
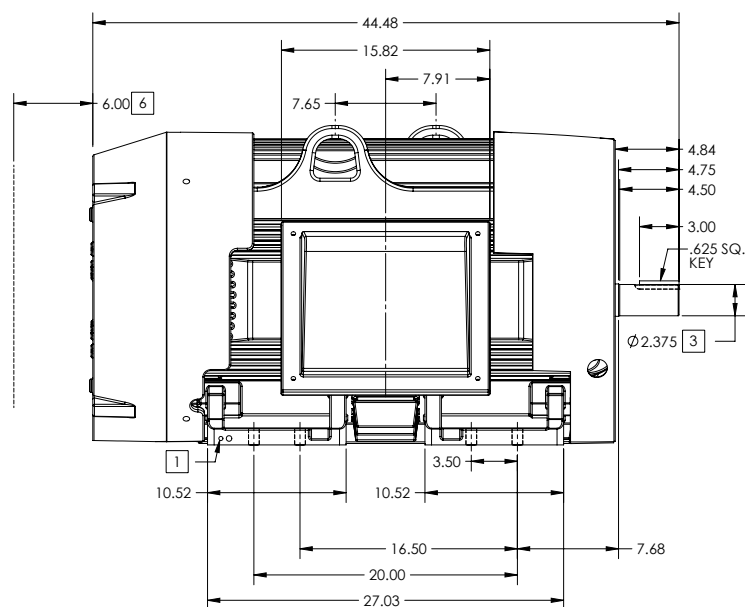
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445TS FRAME MOUNTING HOLES



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 1.5% DEPENDING ON RATING.
6. 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): 2480

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

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

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

SHEET NUMBER
1 OF 2

500P-27-119

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL..."	
REV: A	VERSION: 01
MODEL NO. 617427-005	REVISED: 08/34/13 02/15/2013
BY: MGHWC	TDR: 000000786306
Material:	REF:

BALDOR

G447TS-445TS STD - FOOTED - SIDE/CENTER CB

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

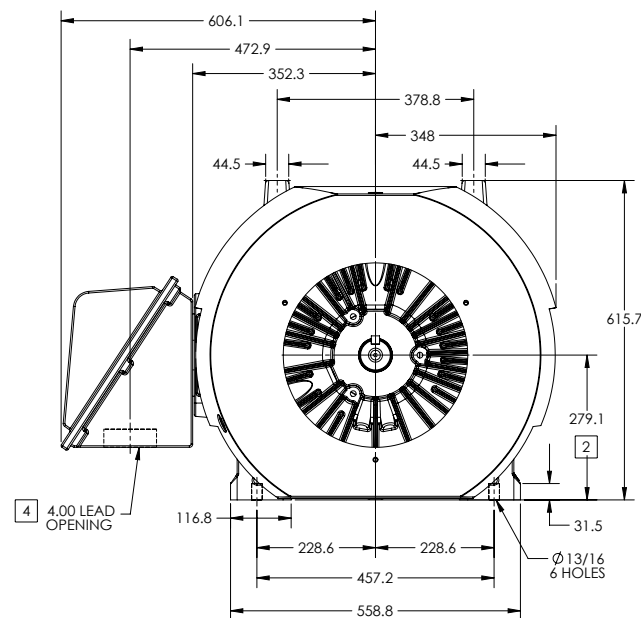
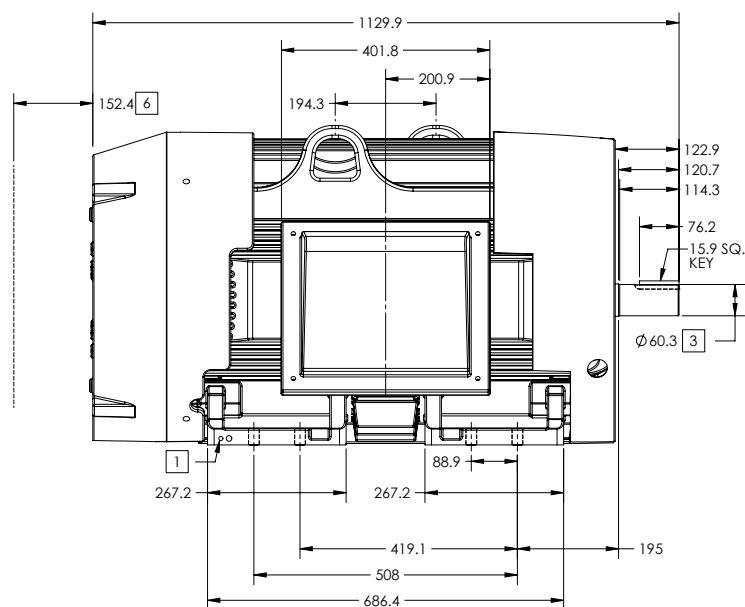
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445TS FRAME MOUNTING HOLES



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 1.5% DEPENDING ON RATING.
6. 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.

[5] WEIGHT (KGS): 1125

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

500P-2727-119

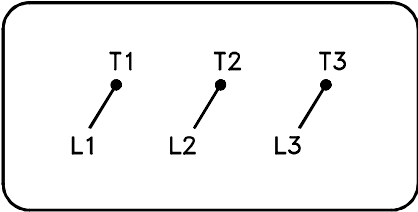
REV. A	VERSION: 01	REVISED: 08/34/13 02/15/2013	TDR: 000000786306
MODEL NO. 617427-005	BY: MGHWC	Material:	REF:

BALDOR

G447TS-445TS STD - FOOTED - SIDE/CENTER CB

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	