

BALDOR® • RELIANCE

Product Information Packet

ECP4406T-4

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

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A4488M	Elec. Spec:	A44WG3335	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-001
Frame:	445T	Mounting:	F1	Poles:	04	Created Date:	08-10-2012
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-17-2015
Leads:	3#1/0					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3238

CAT NO	ECP4406T-4	SPEC NO.	P44G3930		
HP	150	AMPS	169	VOLTS	460
FRAME	445T	RPM	1785	DESIGN	B
D.E. BRG.DATA	6318	HZ	60	AMB	40
D.E. BRG.	90BC03J30X	O.D.E. BRG.DATA	6318	SF	1.15
O.D.E. BRG.	90BC03J30X	TYPE	P	ENCL	TEFC
3/4 LOAD EFF.	96.1	POWER FACTOR	86	PH	3
TEMP CODE	T3	MAX CORR KVAR	30.0	DUTY	CONT
CHP HZ	60-90	TEMP =	200	INSUL.CLASS	F
INVERTER-TEMP-CODE	T3	CT HZ	15-60	NEMA NOM EFFICIENCY	95.8
SER.NO.		VT HZ	0-60	GUARANTEED EFFICIENCY	95.0
		MOTOR WEIGHT	2190		

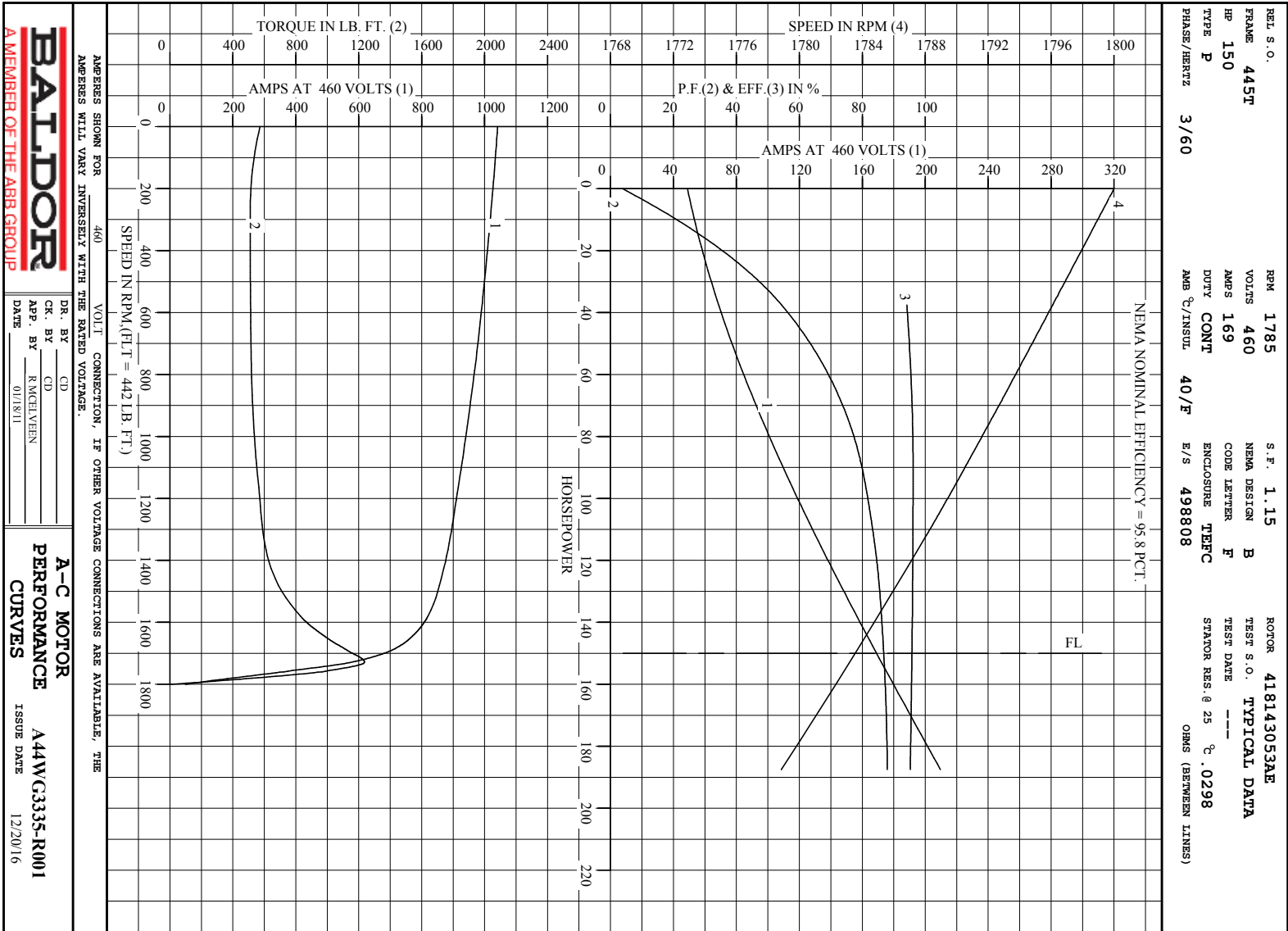
Parts List		
Part Number	Description	Quantity
SA249388	SA P44G3930	1.000 EA
RA236253	RA P44G3930	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
089490099A	G28 BRKT 089490098WCA 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
078548001R	FAN KB 234/150 (84) 400	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
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
076863000C	+CBCST BLKT - 440	1.000 EA
076864000A	CB CVRCST BLKT - 440	1.000 EA

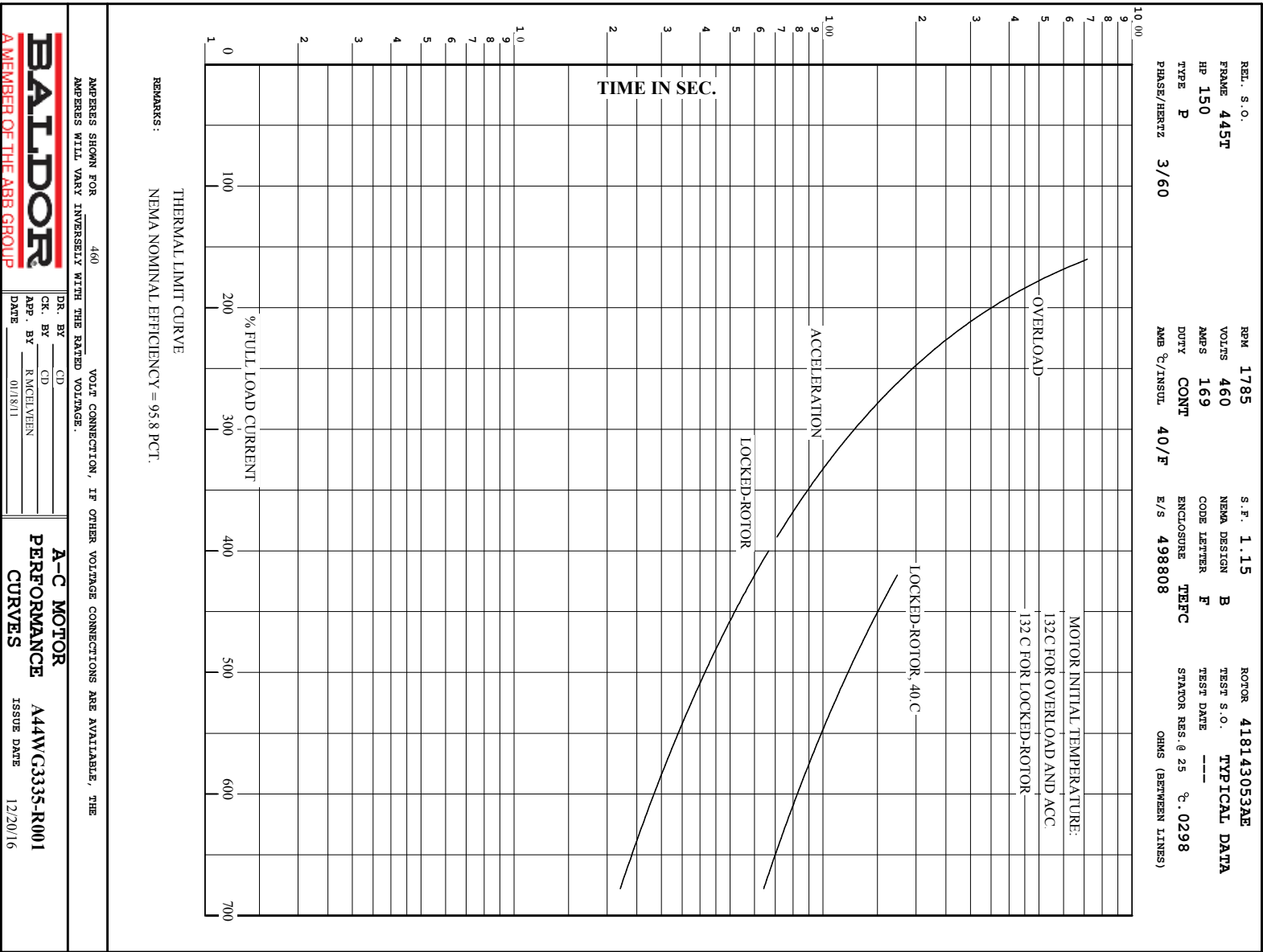
Parts List (continued)		
Part Number	Description	Quantity
415915007G	GASK, LAC	1.000 FT
067053001C	GASK 440	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
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
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
000692000FF	N/P	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530064BB	P/NIP 1/4X8 PLATED	1.000 EA
415045002A	SLGR	1.000 EA
412118006A	DRAIN	1.000 EA
034530044BB	P/NIP 1/4X5-1/2L PLT	1.000 EA

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034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
412118006A	DRAIN	1.000 EA
406056007A	GASKET, 440	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415045002A	SLGR	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	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.
169	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
49808	418143053AE	---	---	.0298		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	48.9	1800	3.78	0	
1/4	37.6	68.7	1796	54.4	94.2	
2/4	75.0	96.7	1792	75.7	96.0	
3/4	112	131	1788	83.6	96.1	
4/4	150	169	1784	86.8	95.8	
5/4	188	210	1779	87.9	95.2	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	130	572	1041		
PULL UP	270	116	511	1020		
BREAKDOWN	1729	280	1237	579		
FULL LOAD	1784	100	442	169		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.8 PCT.						
 DR. BY _____ CK. BY _____ APP. BY R. MCLEVERN DATE 01/18/11 A-C MOTOR PERFORMANCE DATA A44WG3335-R001 ISSUE DATE 12/20/16						





DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

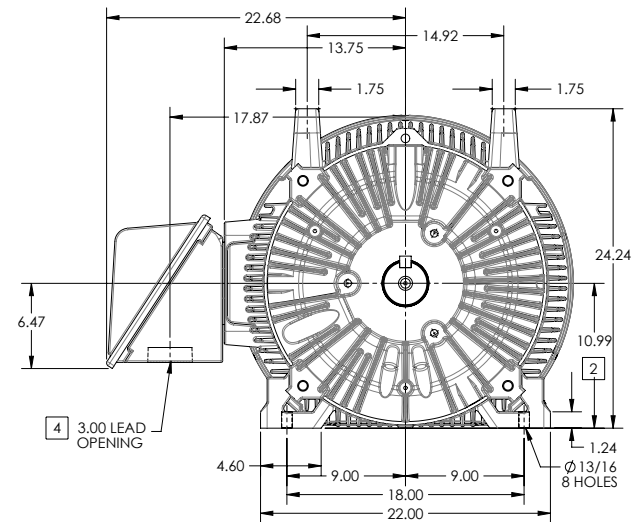
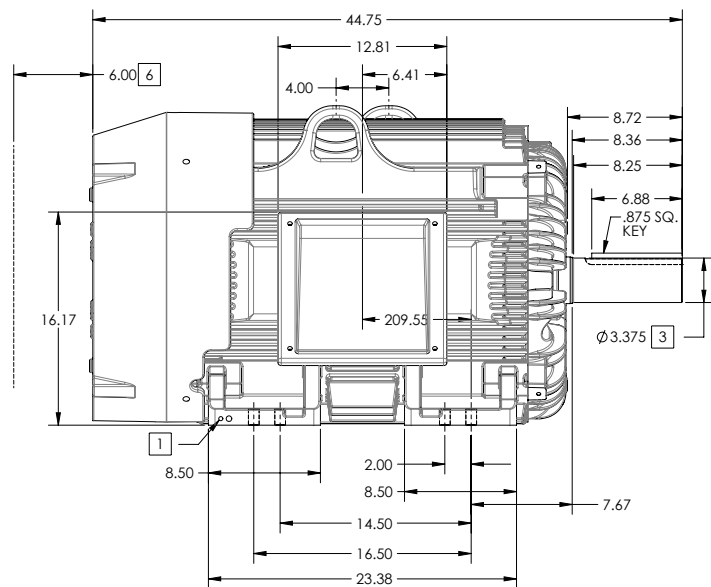
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.00, -.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 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 .003" T.I.R. TO 5 INCH DIA.

[5] WEIGHT (LBS): 2130

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

100-2272-119

REV. DESC: SHEET 2 NEEDS METRIC FOOT HOLE DIMENSION			
REV: E	VERSION: 05	REVISED: 09-22-56 06/12/2014	TDR: 000000857938
MODEL NO. 617427-001		REF:	
BY: RAGRA	Material:		

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C/B

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

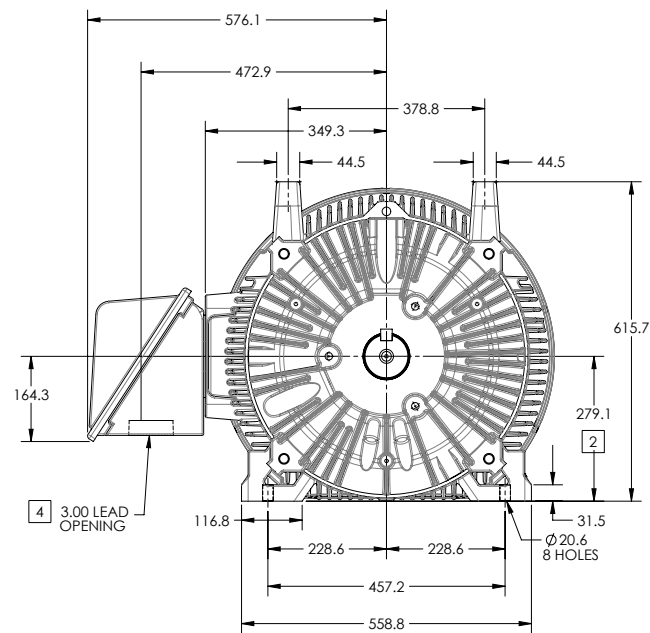
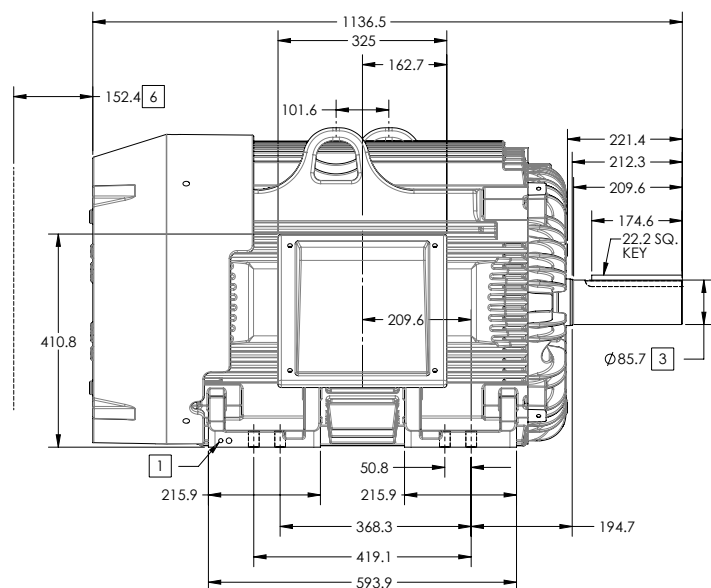
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +0,-1.5
3. VARIES +00,-.03
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 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): 970

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

100-227-119

REV. DESC: SHEET 2 NEEDS METRIC FOOT HOLE DIMENSION	
REV: E	VERSION: 05
MODEL NO. 617427-001	REVISED: 09-22-56 06/12/2014
BY: RAGRA	TDR: 00000857938
Material:	REF:

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C/B

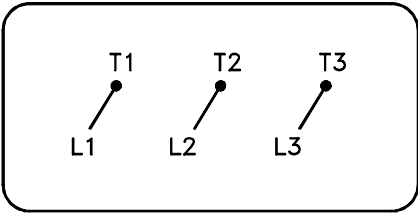
416820-036

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	