

BALDOR® • RELIANCE

Product Information Packet

M44404T-4

400HP,1780RPM,3PH,60HZ,449T,A44160M,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44160M	Elec. Spec:	A44WG1583	CD Diagram:	416820-008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-003
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	08-15-2012
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-07-2014
Leads:	6#1 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2303L										
CAT.NO.	M44404T-4	SPEC NO.	P44G3929							
HP	400	AMPS	448	VOLTS	460	DESIGN	B			
FRAME	449T	RPM	1780	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F			
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	TEFC	CODE	F			
SER.NO.		POWER FACTOR	88	NEMA-NOM-EFFICIENCY	95.4					
		MAX CORR KVAR	69.0	GUARANTEED EFFICIENCY	95.0					
		NEMA NOM/CSA QUOTED EFF								
		MOTOR WEIGHT								

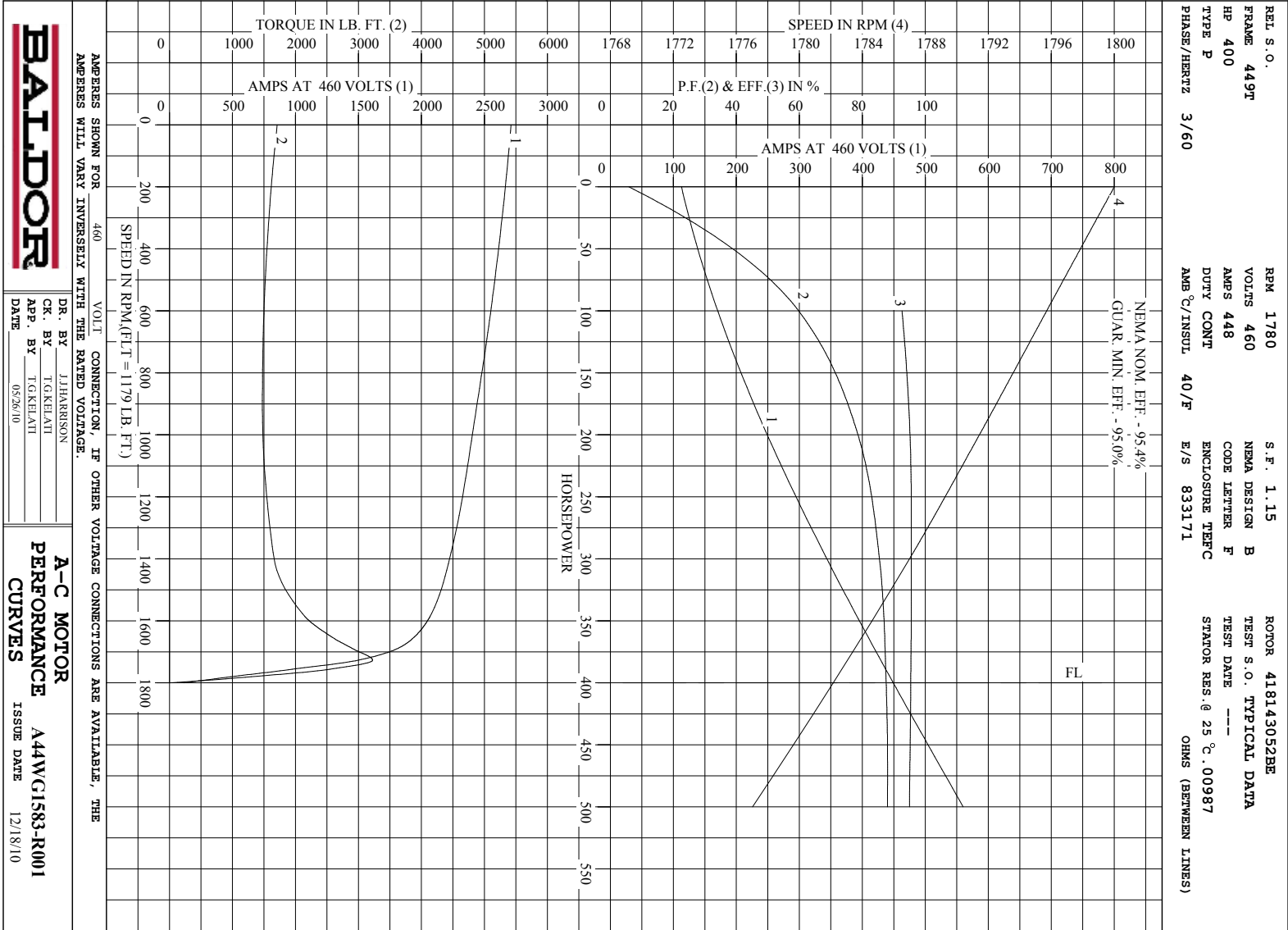
Parts List		
Part Number	Description	Quantity
SA249419	SA P44G3929	1.000 EA
RA236284	RA P44G3929	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
NP2303L	BALDOR RELIANCE INDUSTRIAL MTR, SS,	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	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
34017-14AB	LCKW 3/8 STD. PLATED	4.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
034692001AB	HCSPP 1/8" PLATED	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	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
415096002A	CPLG 1/8 HEX TYPE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
702618003T	FAN 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
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034692001AB	HCSPP 1/8" PLATED	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151014G	RETAIN RING	1.000 EA
702623016RA	G28 AIR DEFLECTOR ASSEMBLY FOR USE	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
415915007G	GASK, LAC	1.000 FT
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 EA
406056008A	GASKET, TERBD 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
418153001A	GASK 440	1.000 EA
702658001B	+C/BOX, PAINTED 440	1.000 EA
702658002A	+C/BOX CVR, PAINTED 440	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.375 GA

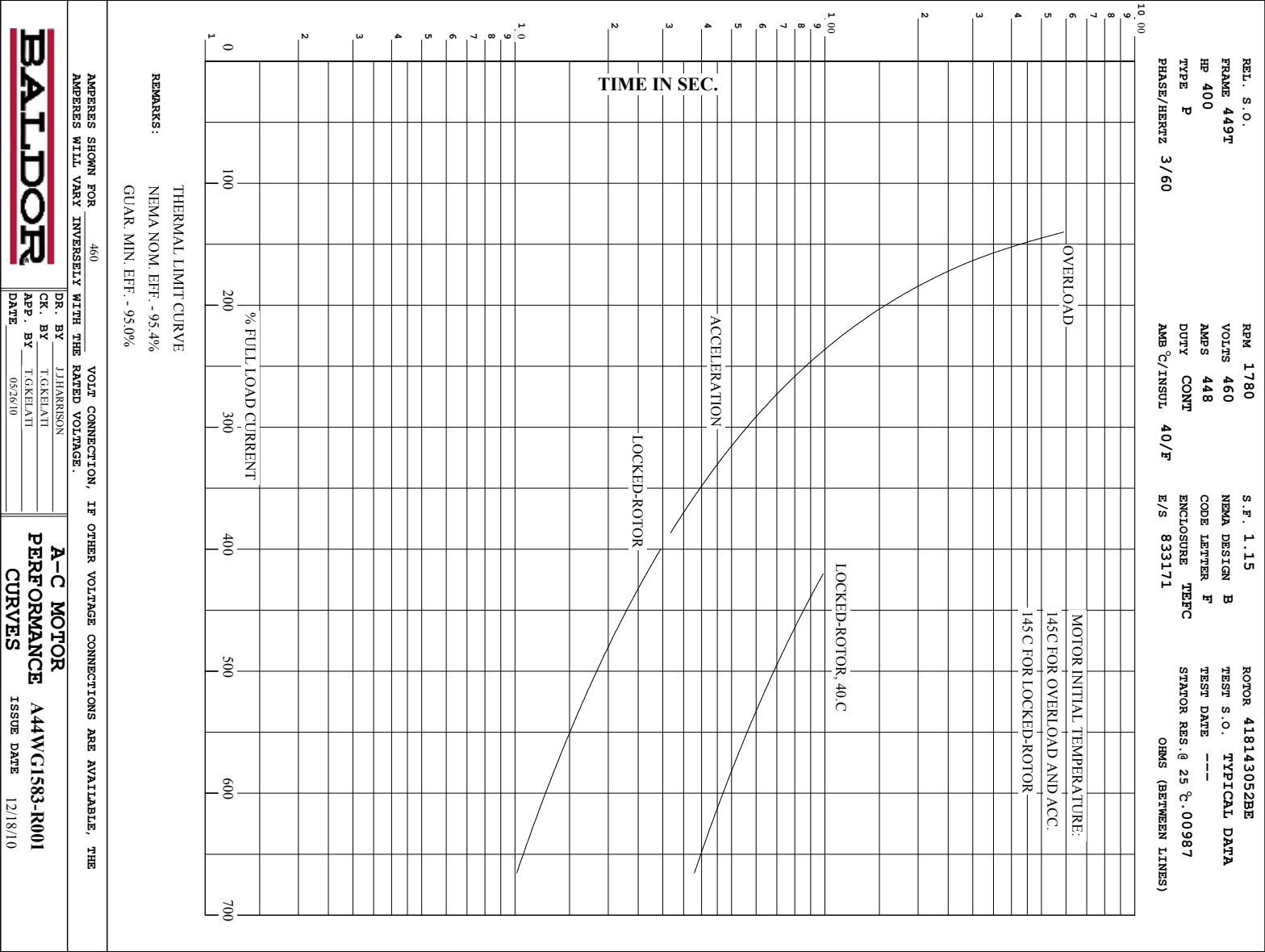
Parts List (continued)		
Part Number	Description	Quantity
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
PK5005A01	WOOD BASE 449 60 X 41-1/2 BLT 25 X 18	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	400	P	3/60	1780	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
448	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833171	418143052BE	---	---	.00987		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	113	1800	5.89	0	
1/4	100	169	1796	59.8	92.6	
2/4	200	250	1791	78.6	95.2	
3/4	300	344	1787	85.5	95.6	
4/4	400	448	1782	87.6	95.4	
5/4	500	561	1777	88.0	94.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	145	1710	2712	
PULL UP		900	125	1475	2442	
BREAKDOWN		1727	274	3224	1495	
FULL LOAD		1782	100	1179	448	
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 NOM. EFF. - 95.4% GUAR. MIN. EFF. - 95.0%						
BALDOR			DR. BY J.J. HARRISON CK. BY T.G. KEIATY APP. BY T.G. KEIATY DATE 05/26/10		A-C MOTOR PERFORMANCE DATA A44WG1583-R001 ISSUE DATE 12/18/10	

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

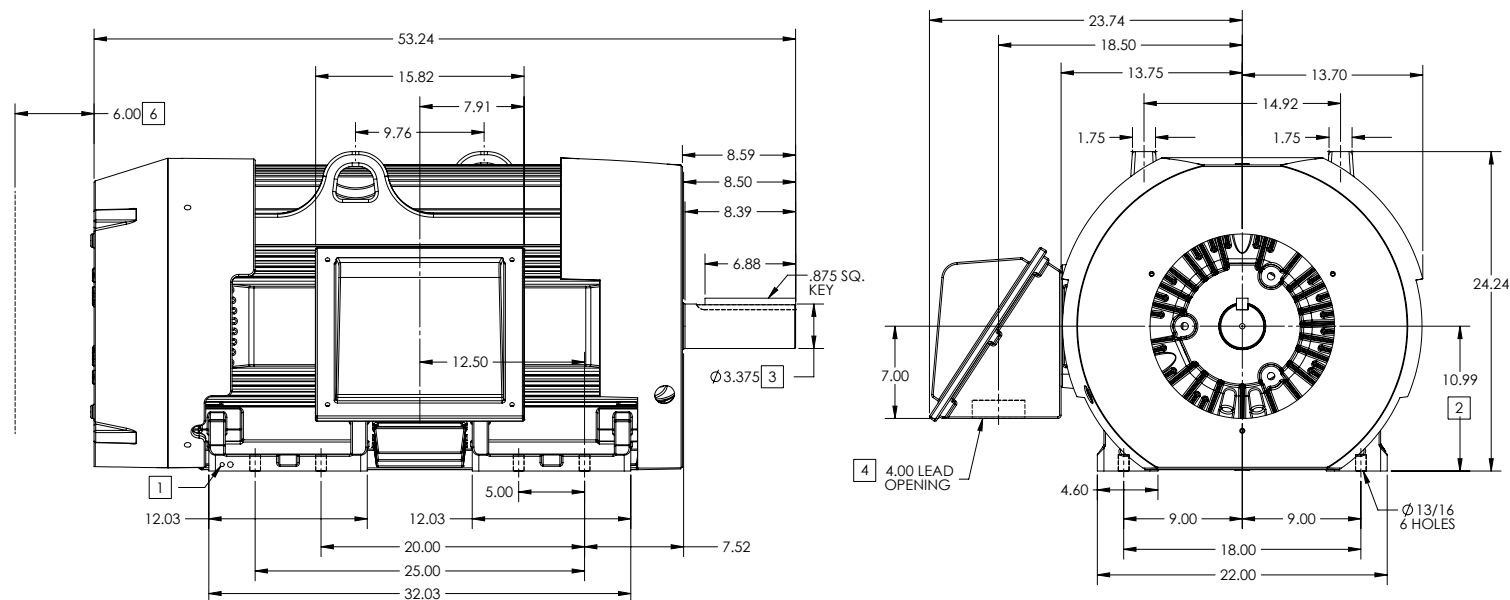
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS (1800 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447T 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 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; 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-2747-119

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL" -
REV: A VERSION: 01 REVISED: 08/28/52 02/15/2013 TDR: 000000786306
MODEL NO. 617427-003
BY: MGHWC

BALDOR
G449T/447T STD - FOOTED - SIDE/CENTER C/B

617427-003

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

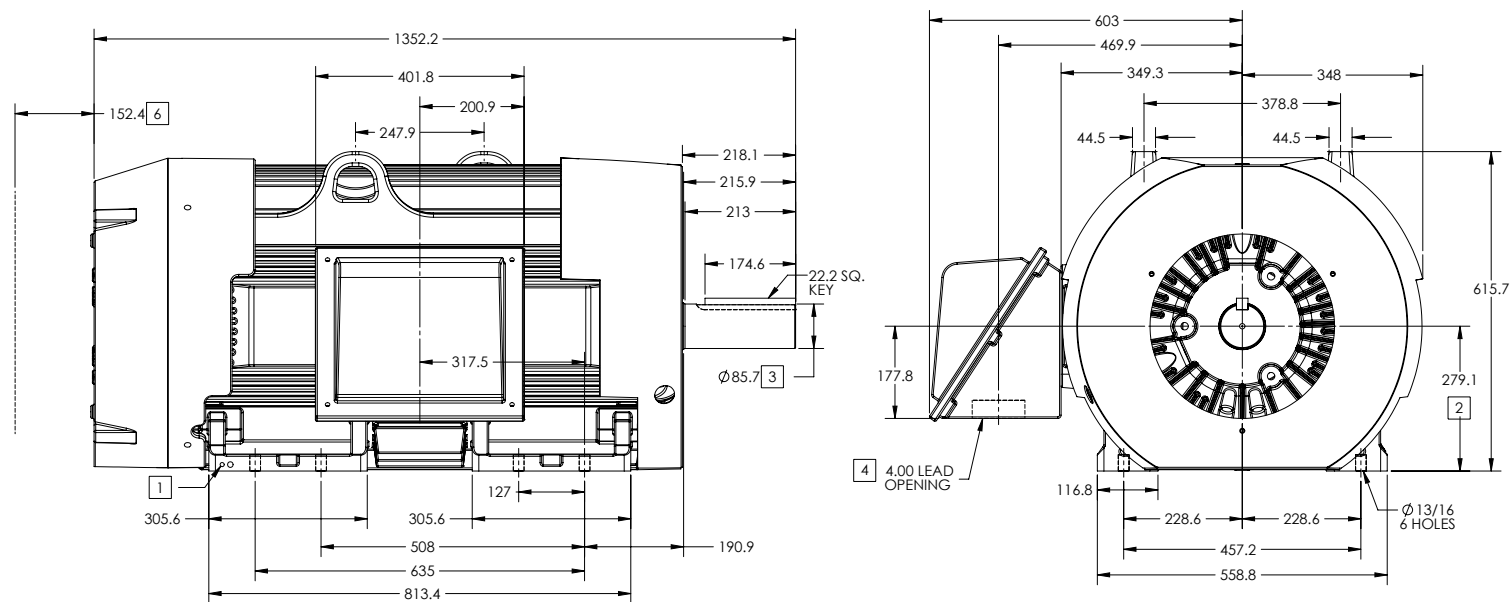
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS (1800 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447T 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 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): 1400

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-2747-119

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL"			
REV: A	VERSION: 01	REVISED: 08/28/52 02/15/2013	TDR: 000000786306
MODEL NO. 617427-003			
BY: MGHWC			

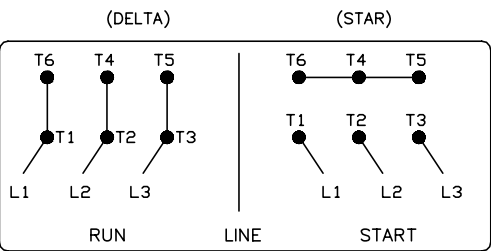
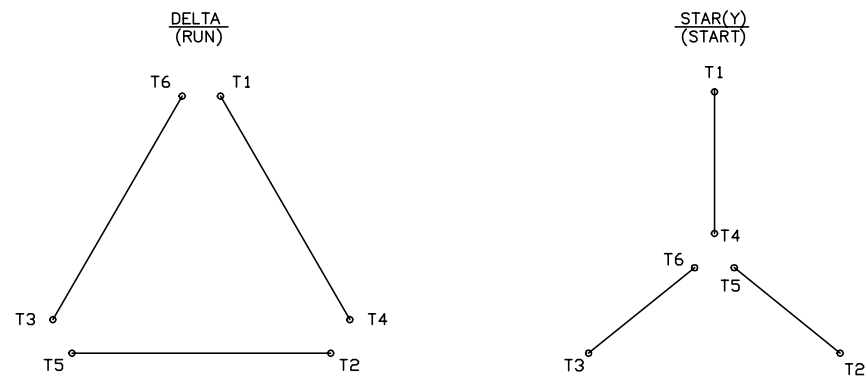
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G449T/447T STD - FOOTED - SIDE/CENTER C/B

416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



(N. P. 1767-DC)

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -		

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CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

416820-008

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<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>