

BALDOR® • RELIANCE

Product Information Packet

EM44252TS-2340

250HP,3575RPM,3PH,60HZ,449TS,A44130M,TEF

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44130M	Elec. Spec:	A44WG5000	CD Diagram:	416820-004
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-118
Frame:	449TS	Mounting:	F1	Poles:	02	Created Date:	10-09-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	10-01-2016
Leads:	6#6 4824-6-P					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3132L

SPEC NO.	P44G5950	CAT.NO.	EM44252TS-2340	FRAME	449TS
HP	250	VOLTS	2300/4000	PHASE	3
RPM	3575	AMPS	57/32.8	DESIGN	-
DRIVE END BEARING	65BC03J30X	DUTY	CONT	TYPE	P
OPP D.E. BEARING	6313/C3VL0241	ENCL	TEFC	HZ	60
NEMA NOM/CSA QUOTED EFF		INSUL.CLASS	F	AMB	40
SER.NO.		CODE	G	SF	1.15
		NEMA-NOM-EFFICIENCY	95		
				MOTOR WEIGHT	3000

Nameplate 000901002AAA

EQUIPPED WITH 120V/245W AND 240V/245W SPACE HEATERS

120V HTR= 1H1,1H2 240V HTR= 2H1,2H2

Nameplate NP2496L

MOBIL POLYREX EM

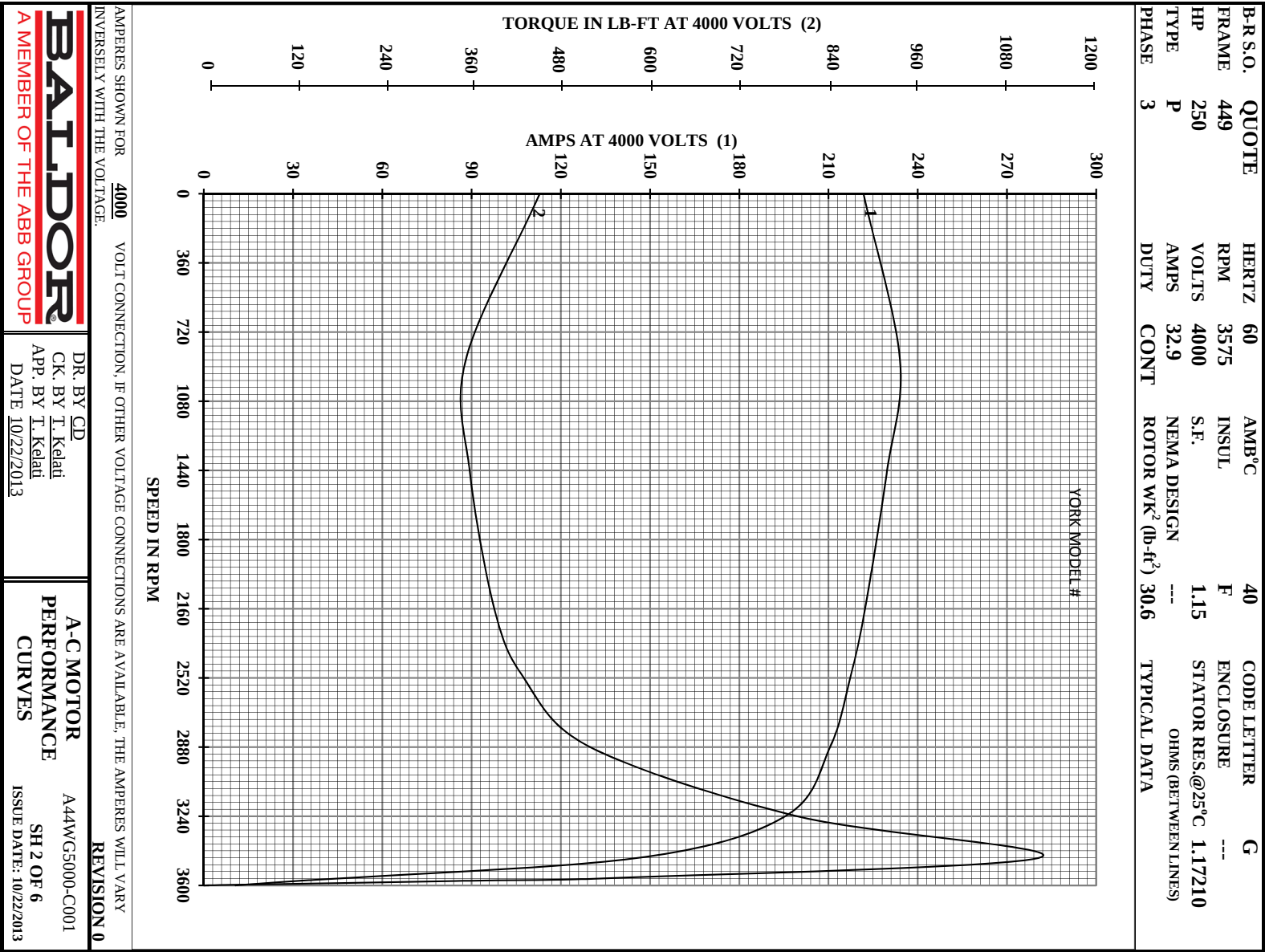
Parts List		
Part Number	Description	Quantity
SA271631	SA P44G5950	1.000 EA
RA258257	RA P44G5950	1.000 EA
482406006P	06 AWG,UL3499,BLACK,7.5kV,BELDEN#37506	21.000 FT
041009000BB	EXT. LEAD LUG	6.000 EA
421948037	LABEL, MYLAR	1.000 EA
000692000SC	N/P	5.000 EA
NP3132L	"BALDOR ONLY" INDUSTRIAL MOTOR, SS,	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000901002AAA	N/P BLANK	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
089490097B	BRKT 089490102WCA	1.000 EA
410700004F	WSHR	1.000 EA

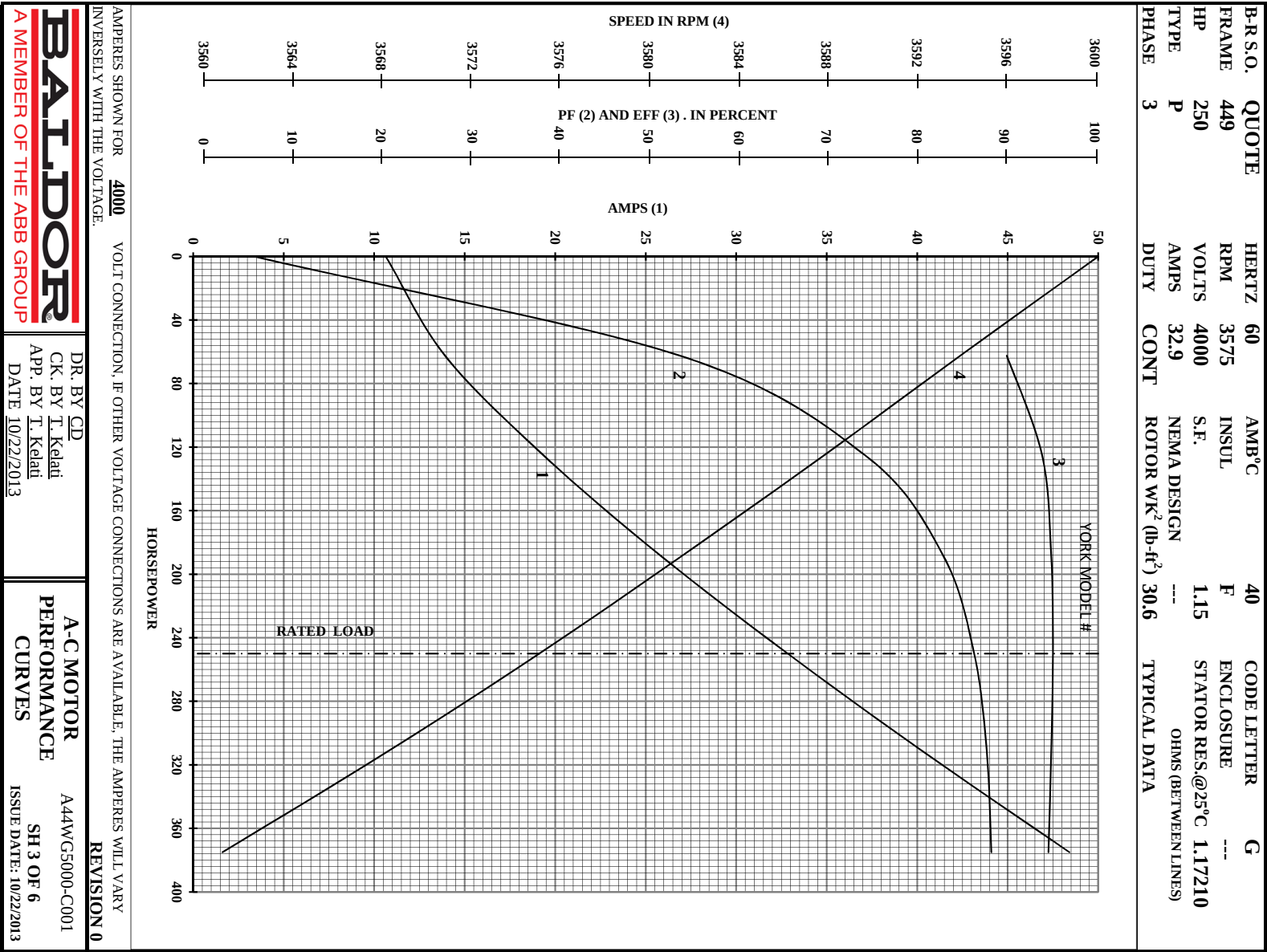
Parts List (continued)		
Part Number	Description	Quantity
034690001AB	SQHDPLG, COND	2.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
034001013AB	FTW BAFFLE	3.000 EA
034001013AB	FTW BAFFLE	3.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
415915007K	GASK, 26" LAC	1.000 EA
089490097B	BRKT 089490102WCA	1.000 EA
415045002E	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 EA
702623012A	THERMAL BARRIER, G28	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
702616012T	CONDUIT BOX	1.000 EA
075456039B	CBCA 075456030WCA	1.000 EA

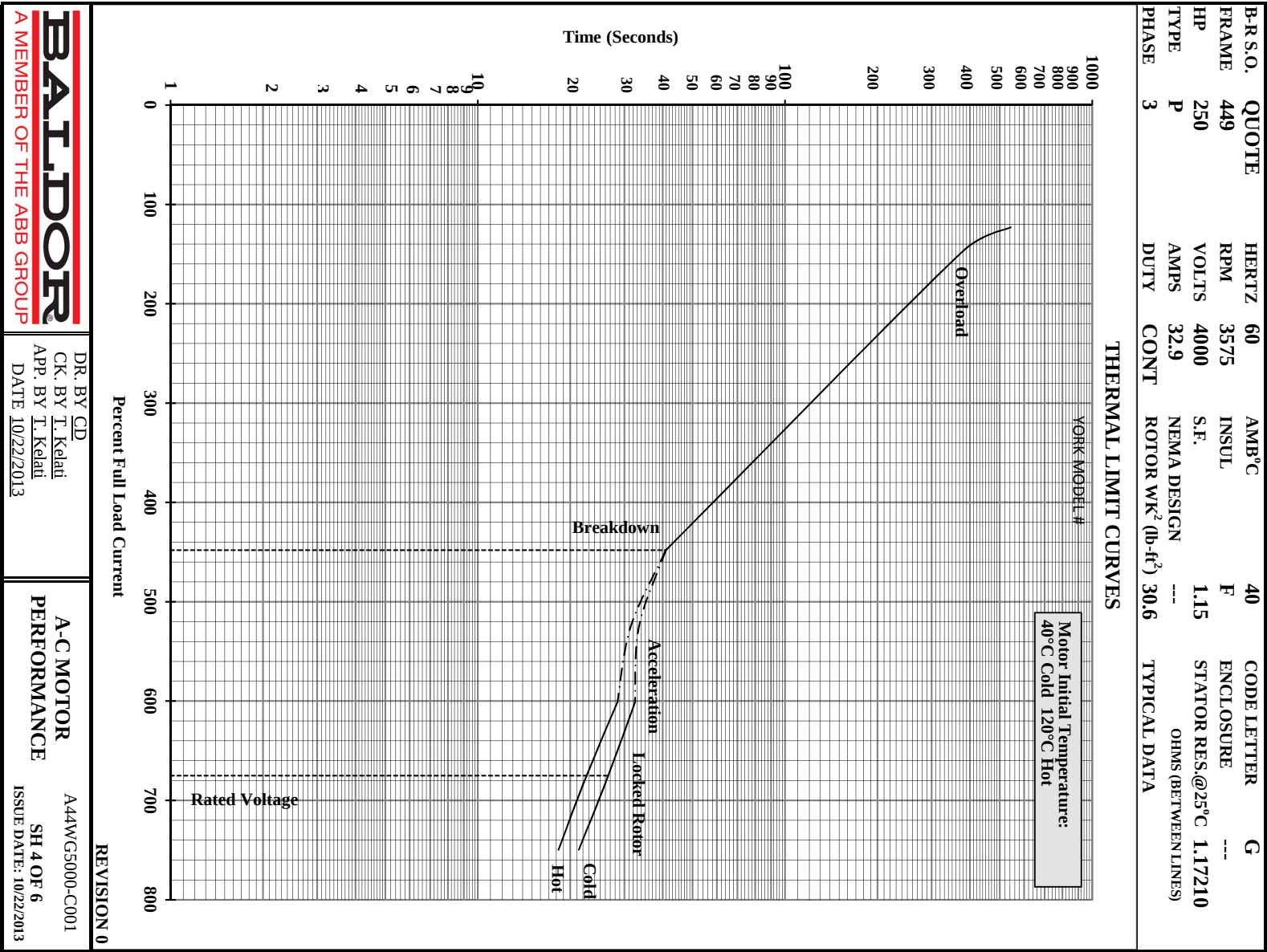
075457025A	+CBOX CVR BLKT - 400/440	1.000 EA
415039010A	LEAD GASKET FOR AUX LEADS 250-440	1.000 EA
065564008A	GASK 250-440	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	2.000 EA
415035049D	T/PLT - 320	1.000 EA
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 EA
032375004GB	SLRHMS 6-32X1/2 PLTD-440	4.000 EA
034530032EA	P/NIP 3/4X4 BLACK	1.000 EA
049455093C	T/BLK	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
047024002J	TERMINAL LUG - MAKE FM F	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
076700036G	C/B KB - 320	1.000 EA
076701000A	C/B - 320	1.000 EA
049843019A	PLTE 320 049843048WCA	1.000 EA
415039010B	LEAD GASKET FOR AUX LEADS 360-400	1.000 EA
065776000C	TERBD 320-400	1.000 EA
067027000B	GASK 320-440	1.000 EA
049455093H	TERBD	2.000 EA
415035100A	TERM BLK SPRT AUX FOR 320 AUX BOX	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA

032375004GB	SLRHMS 6-32X1/2 PLTD-440	8.000 EA
034530040FB	1.0 X 5.00 PIPE NIPPLE	1.000 EA
034600024AA	BUSH 2 TO 1 BLACK	1.000 EA
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	1.000 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA
418199008A	N/P GRD I/D	1.000 EA
415917001A	RTD TAG	1.000 EA
482413003Y	#3 SLEEVING (GREEN)	6.000 FT
482413004Y	#4 SLEEVING (GREEN) PER FT	30.000 FT
000692000CL	N/P	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
604797032	447/449 WIDE SHIPPING SKID	1.000 EA
032510026D	CARRIAGE BOLT - 440	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	2.000 EA
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA
604797003C	SHIPPING BAG	1.000 EA

BALDOR-RELIANCE	FRAME	HP	TYPE	PHASE	HERTZ	RPM
SALES ORDER						
QUOTE	449	250	P	3	60	3575
VOLTS	AMPS	DUTY	AMB°C	INSUL.	S.F.	NEMA DESIGN
4000	32.9	CONT	40	F	1.15	---
CODE LETTER	ENCL.	ROTOR WK ² (lb-ft ²)	STATOR RES.@25°C OHMS (BETWEEN LINES)	TYPICAL DATA		
G	---	30.6	1.17210			
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	10.6	3600	6.7	0.0	
1/4	63	13.9	3594	53.8	89.9	
2/4	125	19.3	3588	74.2	93.8	
3/4	188	25.7	3582	82.8	94.8	
4/4	250	32.9	3575	86.3	95.0	
5/4	313	40.4	3569	87.7	94.8	
6/4	375	48.4	3561	88.2	94.5	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB-FT	AMPERES		
LOCKED ROTOR	0	123	452	221.8		
PULL UP	864	96	352	234.0		
BREAKDOWN	3455	309	1136	147.2		
FULL LOAD	3575	100	367	32.9		
AMPERES SHOWN FOR <u>4000</u> VOLT CONNECTION(S). IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE VOLTAGE.						
REVISION 0						
BALDOR® A MEMBER OF THE ABB GROUP		DR. BY CD CK. BY T. Kelati APP. BY T. Kelati DATE 10/22/2013		A-C MOTOR A44WG5000-C001 PERFORMANCE SH 1 OF 6 ISSUE DATE: 10/22/2013		







DUTY MASTER ALTERNATING CURRENT MOTORS

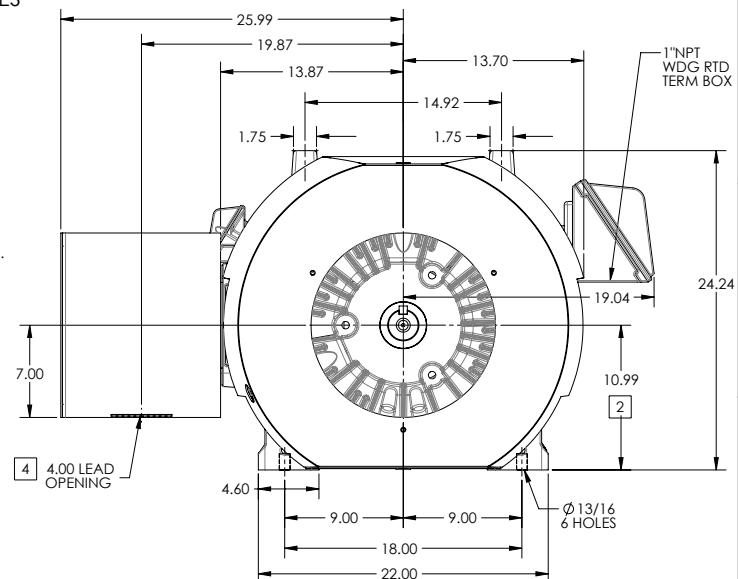
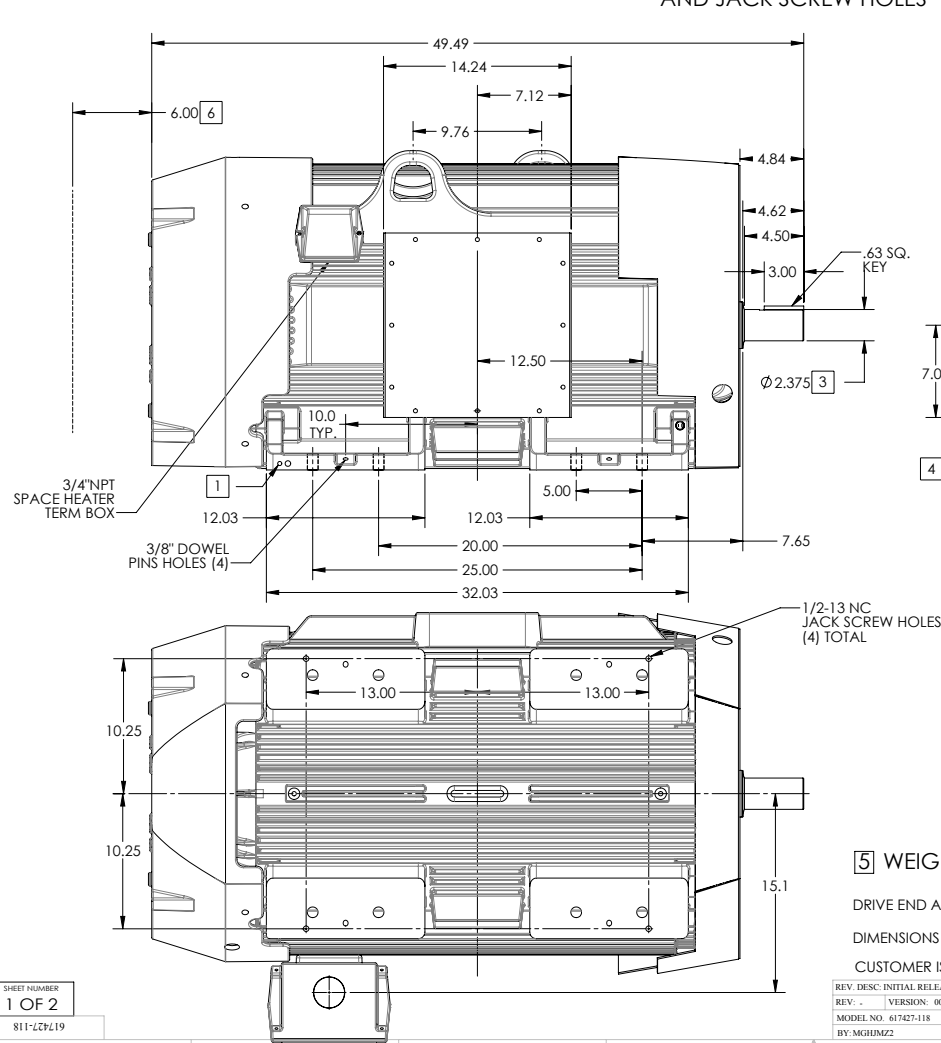
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

FRAME 449TS ABOVE NEMA RATINGS (1800 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

 INCLUDES 447TS FRAME MTG HOLES, DOWEL PINS
AND JACK SCREW 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 15% 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): 3110

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
811-7427-118

REV. DESC: INITIAL RELEASE FOR GP PRODUCT LINE
REV: - VERSION: 00 REVISED: 02-16-20 10/09/2013 TDR: 00000820612
MODEL NO. 617427-118
BY: MGHUMZ2

BALDOR

G449TS FT 14X14X12 CENTER C/B F1 320 AUX, 180 AUX DOWEL JACK

DUTY MASTER ALTERNATING CURRENT MOTORS

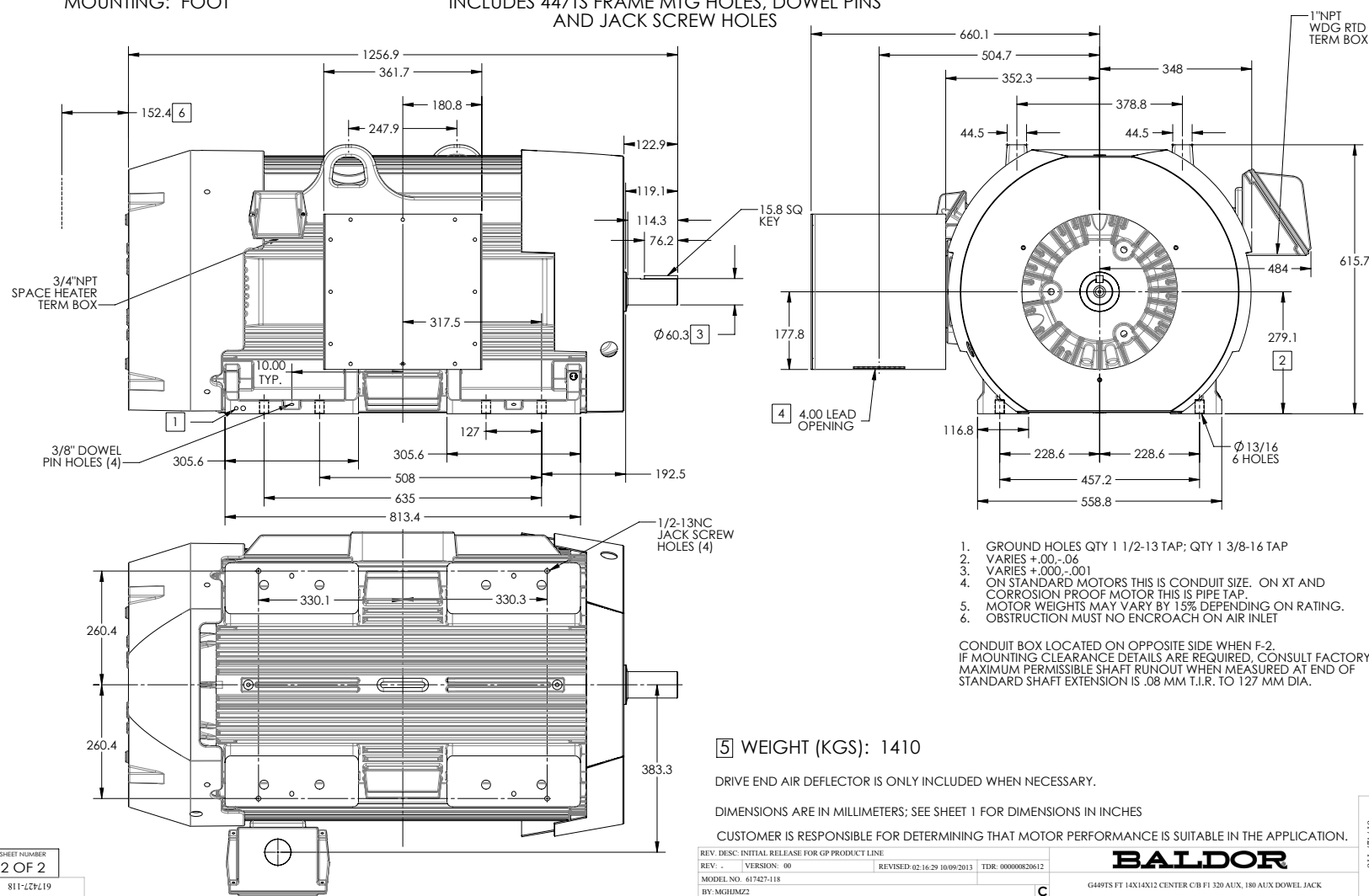
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

FRAME 449TS ABOVE NEMA RATINGS (1800 RPM MAX)

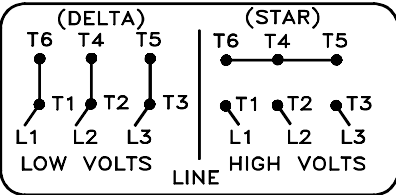
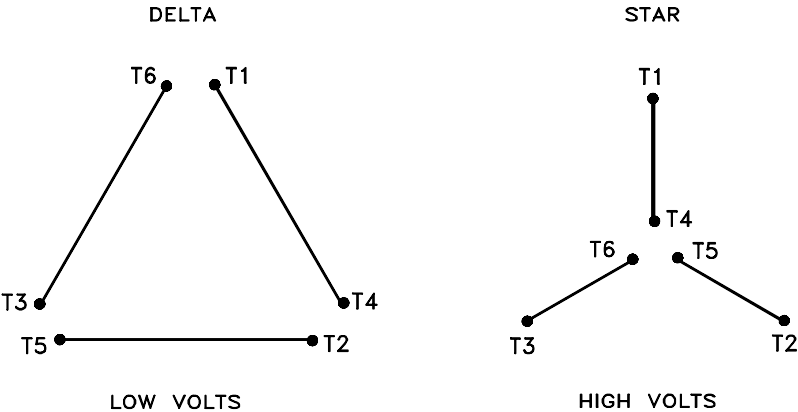
COOLING: FAN COOLED

MOUNTING: FOOT

 INCLUDES 447TS FRAME MTG HOLES, DOWEL PINS
AND JACK SCREW HOLES

 SHEET NUMBER
2 OF 2
811-7427-119

416820-004

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 6 LEAD (DELTA/STAR CONNECTED)
DUAL VOLTAGE (LOW VOLTS/HIGH VOLTS)



(N.P. 1767-CC)

416820-004

REV. DESC: ADDED CLASSIFICATONS		
REV. LTR: B	VERSION: 02	TDR: 000000539297
FILE: \RSN\00017\950		REVISED: 11: 58: 09 05/04/2010
MTL: -		BY: RAGRA

BALDOR

A-C MOTOR CONNECTION DIAGRAM
SH 1 of 1

Marketing maintained PDF of MN408:

<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>