

BALDOR® • RELIANCE

Product Information Packet

M25454T-4

450HP,1780RPM,3PH,60HZ,449T,18144M,ODP,F

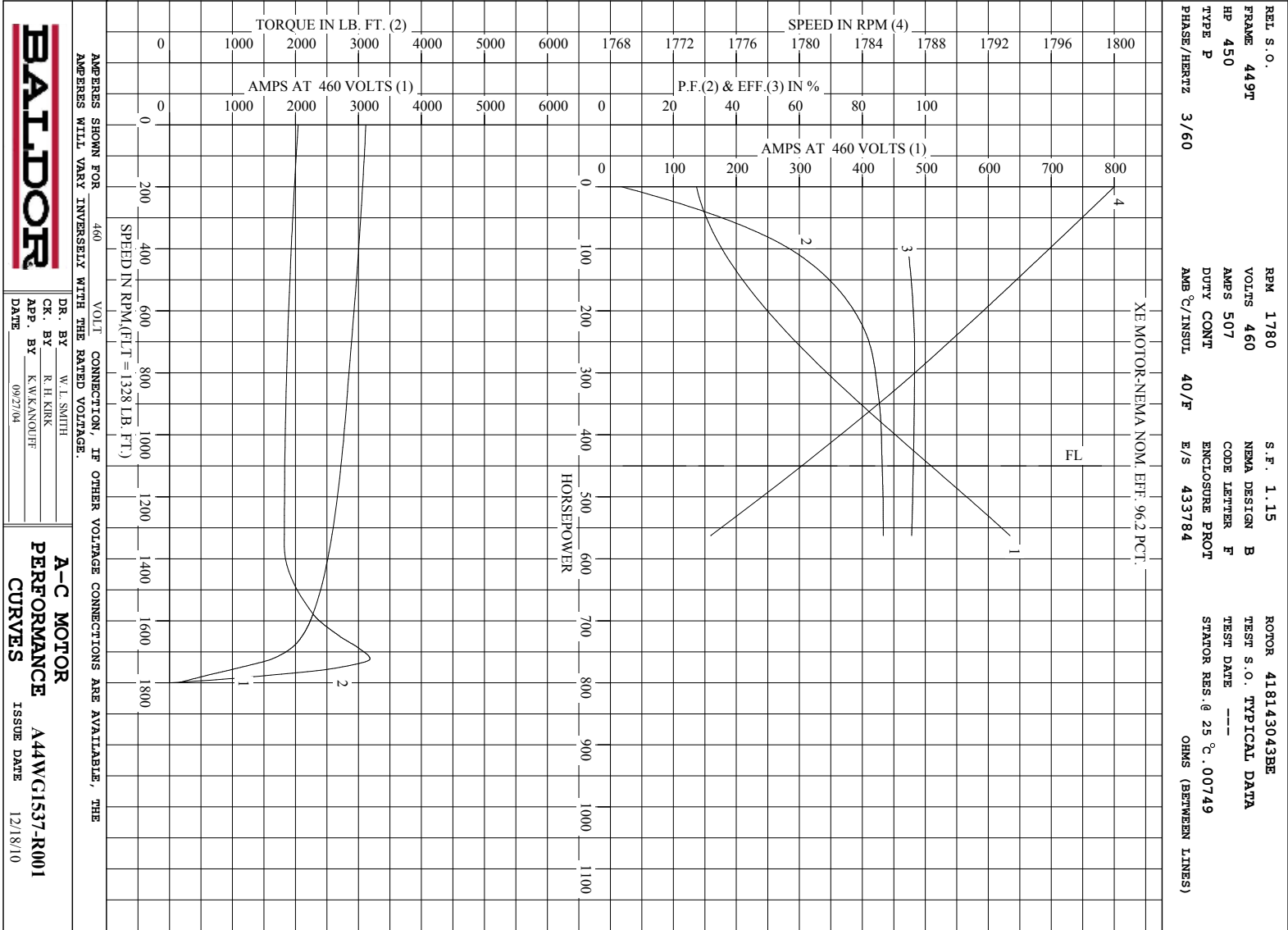
Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44144M	Elec. Spec:	A44WG1537	CD Diagram:	416820-008
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	604989-050
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-24-2012
Leads:	6#1 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

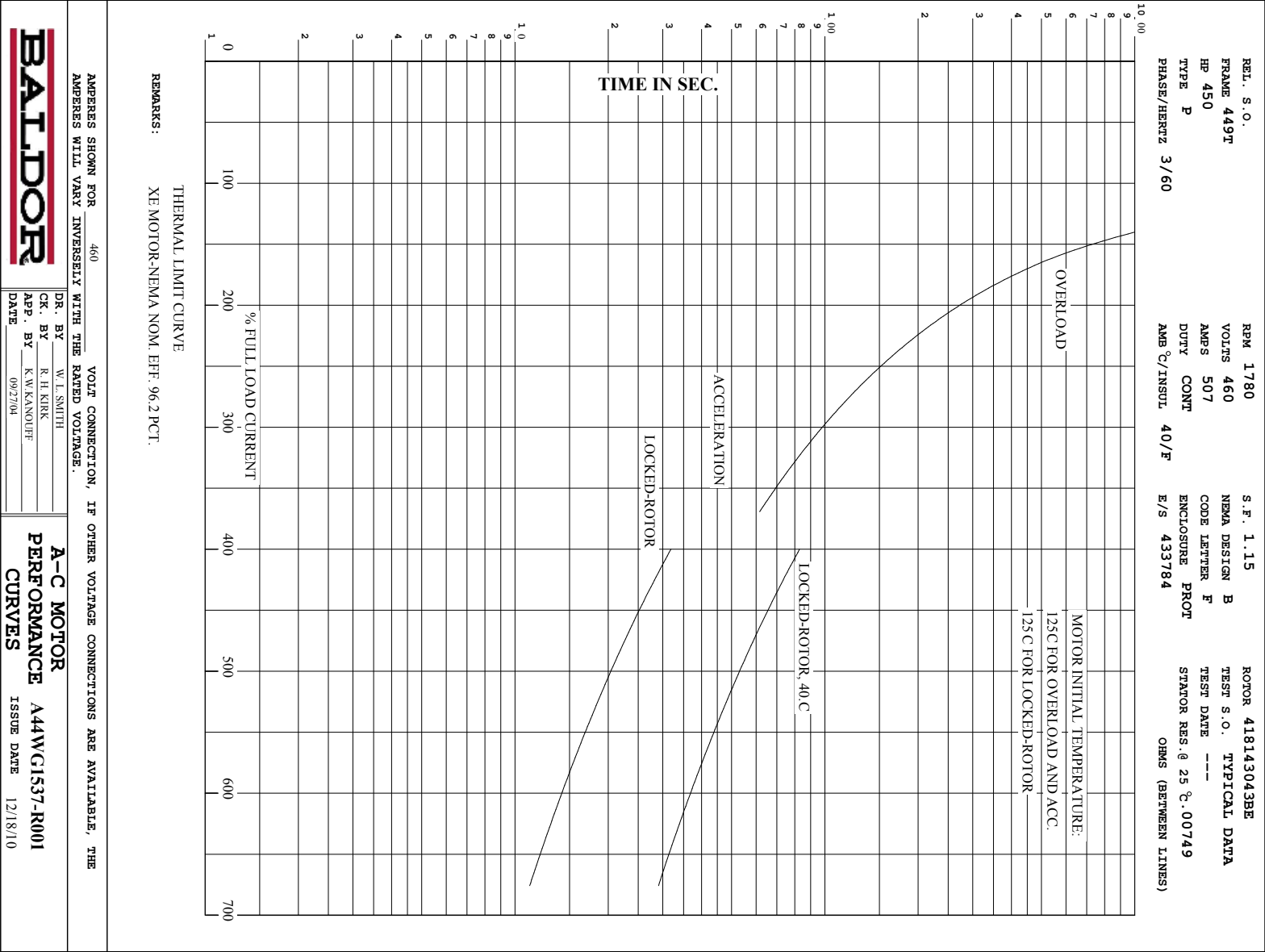
Nameplate NP2301L										
CAT.NO.	M25454T-4	SPEC NO.	P44G5099							
HP	450	AMPS	507	VOLTS	460	DESIGN	B			
FRAME	449T	RPM	1780	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F			
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	DP	CODE	F			
SER.NO.		POWER FACTOR	86	NEMA-NOM-EFFICIENCY	96.2					
		MAX CORR KVAR	89.0	GUARANTEED EFFICIENCY	95.8					
		NEMA NOM/CSA QUOTED EFF								
		MOTOR WEIGHT								

Parts List		
Part Number	Description	Quantity
SA206556	SA P44G5099	1.000 EA
RA193823	RA P44G5099	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
NP2301L	BALDOR RELIANCE INDUSTRIAL MTR, SS,	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 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
089439051A	BRKT 440 089439051WCB	1.000 EA
418151014G	RETAIN RING	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
410700004A	WSHR	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 EA
048897010DJ	BUSH - 445	1.000 EA
406056008A	GASKET, TERBD 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
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA

Printed on 12/18/10 6:43 @ psecs-motorer



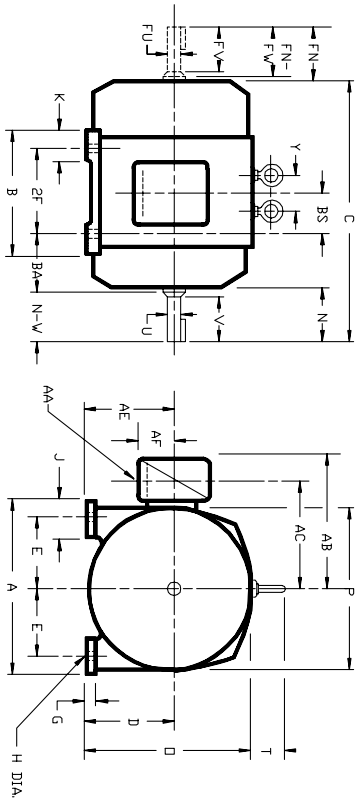


604989-050

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
ENCLOSURE: PROTECTED & WEATHERPROTECTED I
TOTALLY ENCLOSED
COOLING: SELF-VENTILATED
NON-VENTILATED
MOUNTING: FOOT

FRAMES 445T THRU 449TS ABOVE NEMA RATINGS



DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	D	P	BA	K	T	Y (6)
445T	21.00	11.00	9.00	1.12	.81	3.25	23.62	24.25	7.50	5.25	3.25	---
445TS	21.00	11.00	9.00	1.12	.81	3.25	23.62	24.25	7.50	5.25	3.25	---
447T	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00
447TS	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00
449T	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00
449TS	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00

FRAME	C	BS	B	2F	N	N-V	U(3)	V	LGTH	SO	DRIVE END SHAFT AND KEY	OPPOSITE DRIVE END SHAFT AND KEY	VT
445T	39.56	8.25	19.00	16.50	8.94	8.50	3.375	8.25	6.88	8.75	FN	FN-FV	KEY (LBS)
445TS	35.81	8.25	19.00	16.50	5.19	4.75	2.375	4.50	3.00	6.25	5.19	4.75	6.25 1410
447T	43.06	10.00	22.50	20.00	8.94	8.50	3.375	8.25	6.88	8.75	6.31	5.88	6.25 1730
447TS	39.31	10.00	22.50	20.00	5.19	4.75	2.375	4.50	3.00	6.25	5.19	4.75	6.25 1730
449T	48.06	12.50	27.50	25.00	8.94	8.50	3.375	8.25	6.88	8.75	6.31	5.88	6.25 2100
449TS	44.31	12.50	27.50	25.00	5.19	4.75	2.375	4.50	3.00	6.25	5.19	4.75	6.25 2100

FRAME	AA	AE	CONDUIT BOX	STANDARD
445T	4	12.00	11.00	22.75
445TS	4	12.00	11.00	22.75
447T	4	12.00	11.00	22.75
447TS	4	12.00	11.00	22.75
449T	4	12.00	11.00	22.75
449TS	4	12.00	11.00	22.75

- (1) SPECIAL DIMENSIONS ON THIS LINE
(2) "D" VARIES +.00, -.06
(3) "U" & "FV" VARY +.00, -.001
(4) WEATHERPROOF CONDUIT BOX SUPPLIED ONLY WHEN SPECIFIED
(5) DIMENSIONS SHOWN ARE FOR PROTECTED MOTORS,
FOR TENV MOTORS "AB"=23.37, "AC"=18.12
(6) 445 FRAME HAS ONE EYEBOLT "C" OF FRAME.
- CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-1,
V-4, V-5, V-7, OR C-1 MOUNTING IS SPECIFIED. STANDARD
DOUBLE SHAFT SUPPLIED ONLY WHEN SPECIFIED. IF MOUNTING
CLEARANCE DETAILS ARE REQUIRED CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT ROUNDOFF WHEN MEASURED AT END
OF STANDARD SHAFT EXTENSION IS .003 T.I.R.

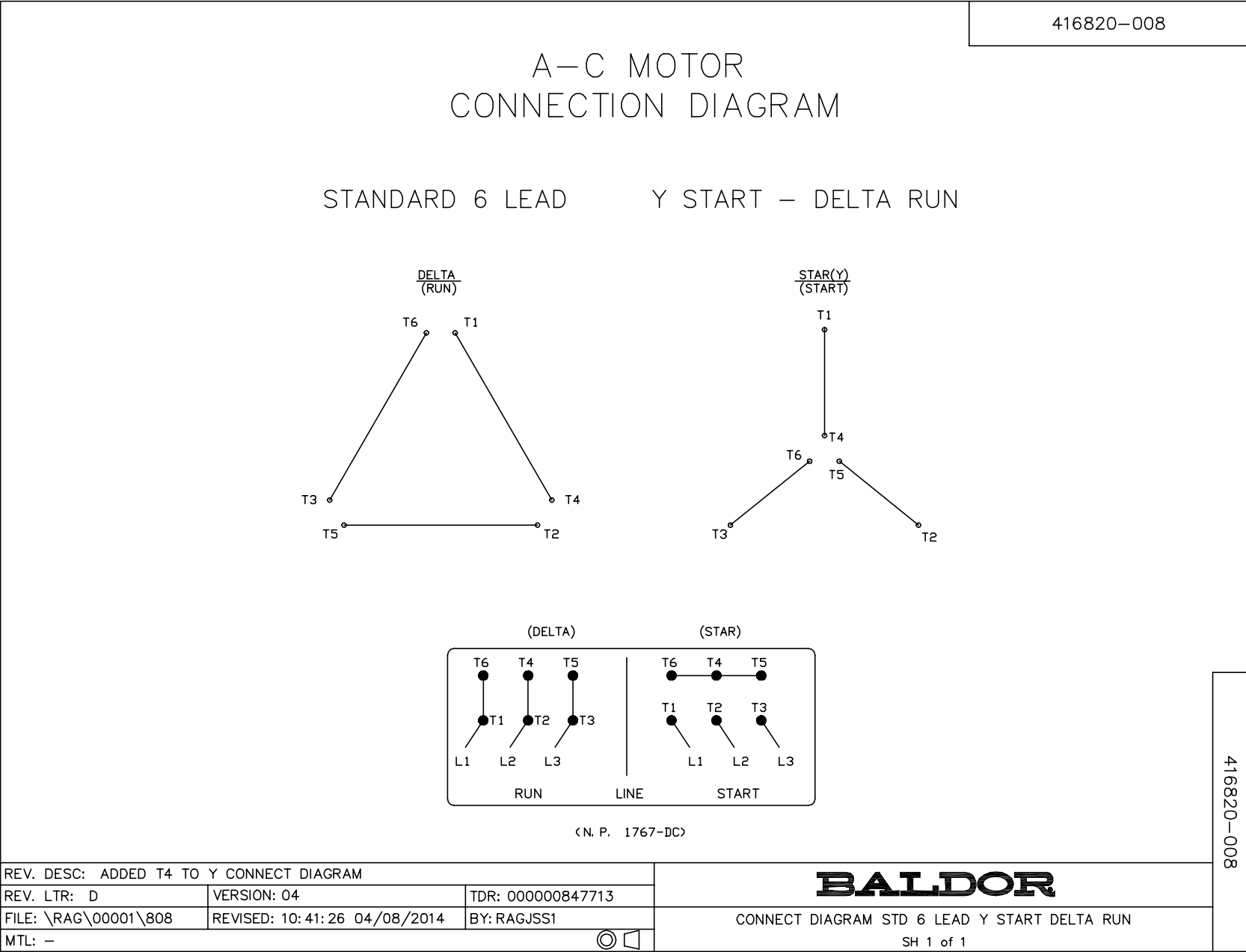
FRAME- TYPE- CERTIFIED FOR-
ORDER- ITEM- HP- RPM- PH- HZ- VOLTS-
SALES ORDER- APPROVED BY- DATE

050-686409

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: LOADED TO BUS	VERSION: 01	TDR: 000000561165
REV. LTR: A	REVISED: 08:19:54 10/18/2010	BY: RAGRA
FILE: \RAG\00012\156		
MTL: -		

BALDOR
DIM SHEET PROT/WEATHER TENV 445T-449TS ABOVE NEMA
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>