

BALDOR® • RELIANCE

Product Information Packet

EM25694T-4

300HP,1780RPM,3PH,60HZ,449T,A44112M,DP,F

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Part Detail								
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No	
Type:	AC	Prod. Type:	A44112M	Elec. Spec:	A44WG3136	CD Diagram:		
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:		
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	03-30-2011	
Base:		Rotation:	R	Insulation:	B	Eff. Date:	05-01-2012	
Leads:	6#2/0	Literature:		Elec. Diagram:		Replaced By:		
Nameplate NP2496L								
	MOBIL POLYREX EM							

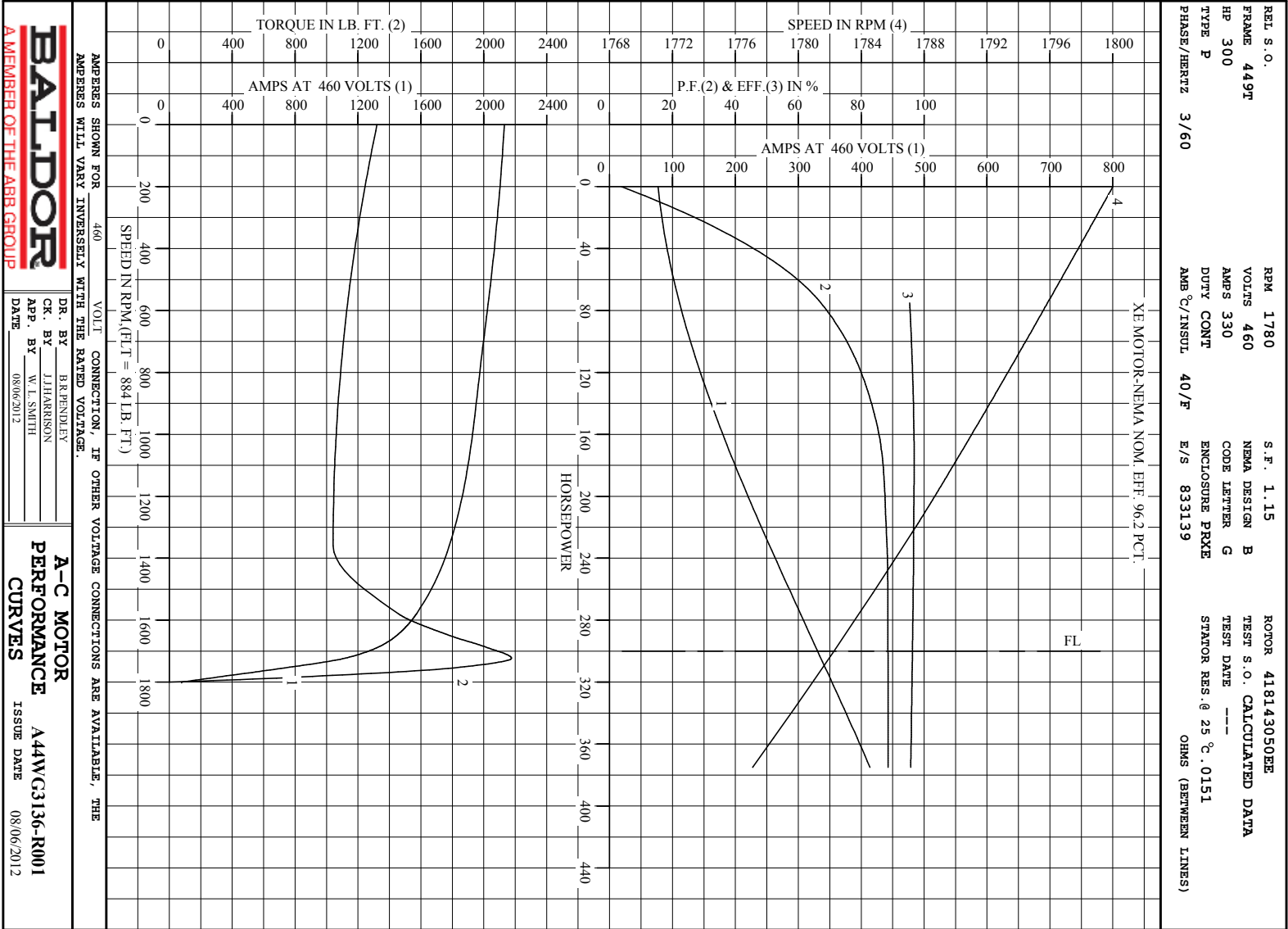
Nameplate NP2377L									
CAT.NO.	EM25694T-4	SPEC NO.	P44G4427						
HP	300	AMPS	330	VOLTS	460	DESIGN	B		
FRAME	449T	RPM	1780	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	DP	CODE	G		
SER.NO.		POWER FACTOR	88.5	NEMA-NOM-EFFICIENCY	96.2				
		MAX CORR KVAR	46.0	GUARANTEED EFFICIENCY	95.8				
		NEMA NOM/CSA QUOTED EFF							
		MOTOR WEIGHT							

Parts List		
Part Number	Description	Quantity
SA220428	SA P44G4427	1.000 EA
RA207578	RA P44G4427	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
613-6PU	N/P (RELEASE QTY 10,000)	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000VD	N/P (REL QTY 4000)	1.000 EA
NP2377L	SUPER-E ,SS, CSA-C US, CSA EEV	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
410700004A	WSHR	1.000 EA
035000001G	GITS GRS CUP,ODE	1.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
405851012AB	SPACE	4.000 EA
032018006AK	HHCS 1/4-20X3/4L PLATED	4.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
418151014G	RETAIN RING	1.000 EA
405851012AB	SPACE	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
032018006AK	HHCS 1/4-20X3/4L PLATED	4.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
415045002A	SLGR	1.000 EA
035000001G	GITS GRS CUP,ODE	1.000 EA
076870000B	+CBCST BLKT - 440	1.000 EA
406056007A	TERBD 440	1.000 EA
076871000A	+CBOX CVR BLKT - 449	1.000 EA
067053014A	GASK 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.375 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
048897010DJ	BUSH - 445	1.000 EA
048977006J	GRFTG - 440	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000003D	T/LUG 897-777 KPA25/G16	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA

Parts List (continued)

Part Number	Description	Quantity
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
LB1346	LABEL,SUPER-E GP(4X4)	1.000 EA
PK5005A01	WOOD BASE 449 60 X 41-1/2 BLT 25 X 18	1.000 EA



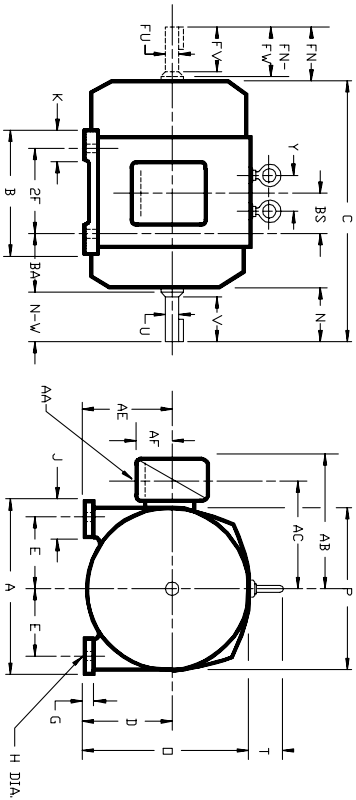
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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIREL-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	DRIVE END SHAFT AND KEY										SO	V/T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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KEY	SO	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KEY	LGTH	KE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		CONDUIT BOX				
		STANDARD				
	AE	TE	AR	AF		
FRAME	PROT	TENV	ARB	AC		
445T	4"	12.00	22.75	17.50	7.00	
445TS	4"	12.00	22.75	17.50	7.00	
447T	4"	12.00	22.75	17.50	7.00	
447TS	4"	12.00	22.75	17.50	7.00	
449T	4"	12.00	22.75	17.50	7.00	
449TS	4"	12.00	22.75	17.50	7.00	

- (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, W-1,
W-4, W-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 _____

6050-686409

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

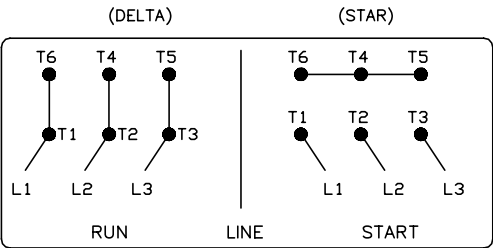
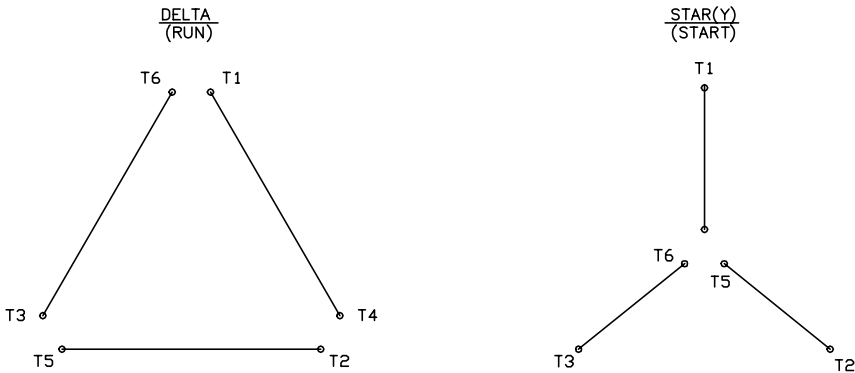
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MTL: -		

BALDOR
DIM SHEET PROT/WEATHER TENV 445T-449TS ABOVE NEMA
SH 1 of 1

416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START - DELTA RUN



(N. P. 1767-DC)

REV. DESC: CORRECT VIEW ON DRAWING		
REV. LTR: C	VERSION: 03	TDR: 000000579787
FILE: \RAG\00001\808		REVISED: 01:18:33 03/29/2011
MTL: -		BY: RAGRA

BALDOR

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

416820-008