

BALDOR® • RELIANCE

Product Information Packet

EM2583T-4

100HP,1190RPM,3PH,60HZ,444T,1860M,OPEN

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44056M	Elec. Spec:	A44WG1481	CD Diagram:	416820-008
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	611750-501
Frame:	444T	Mounting:	F1	Poles:	06	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-10-2012
Leads:	6#4					Replaced By:	
Literature:		Elec. Diagram:					

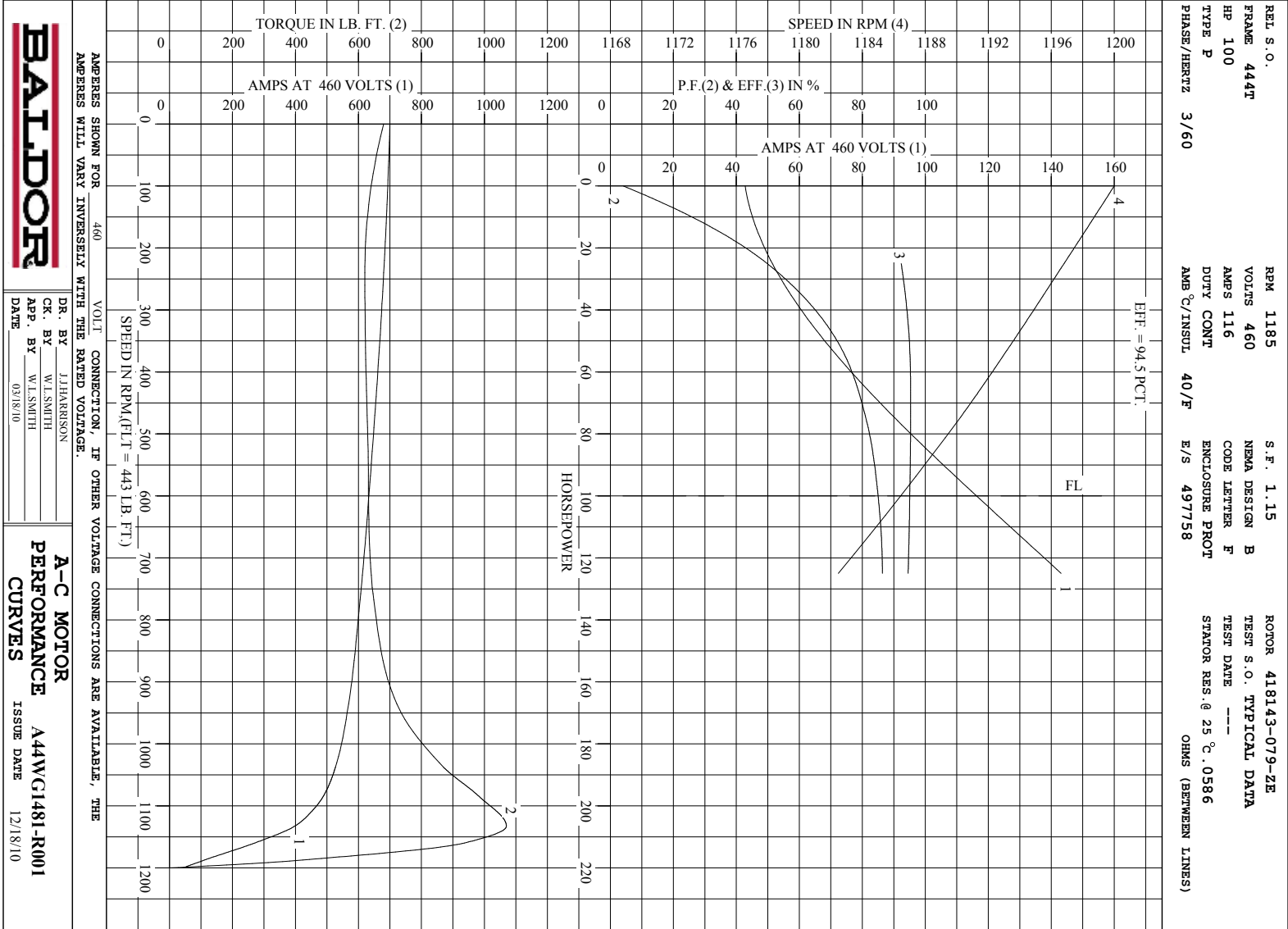
Nameplate NP2377L									
CAT.NO.	EM2583T-4	SPEC NO.	P44G1771						
HP	100	AMPS	116	VOLTS	460	DESIGN	B		
FRAME	444T	RPM	1185	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	DP	CODE	F		
SER.NO.		POWER FACTOR	85	NEMA-NOM-EFFICIENCY	95				
		MAX CORR KVAR	20.0	GUARANTEED EFFICIENCY	94.5				
		NEMA NOM/CSA QUOTED EFF							
		MOTOR WEIGHT							

Nameplate NP2496L			
	MOBIL POLYREX EM		

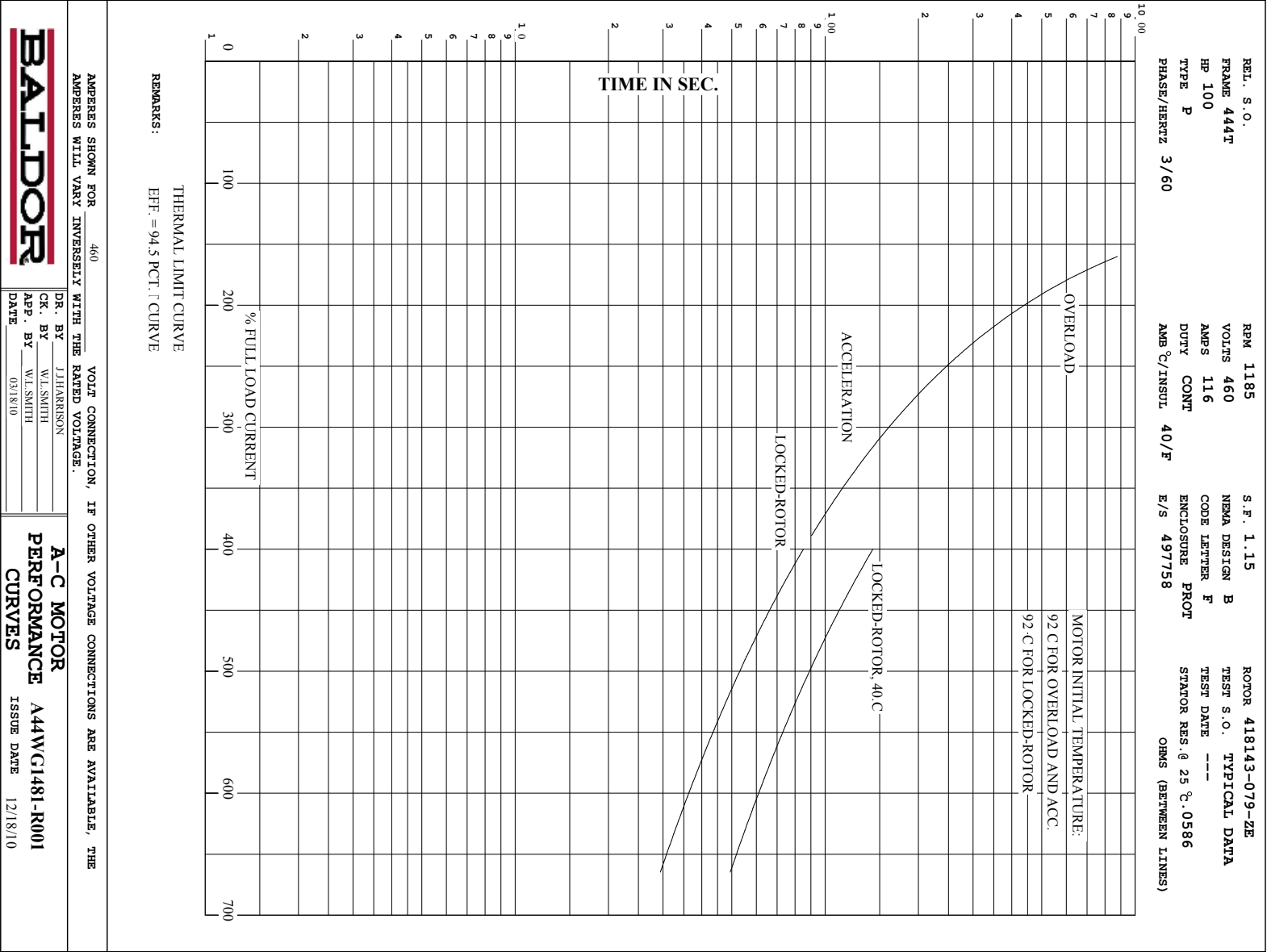
Parts List		
Part Number	Description	Quantity
SA207463	SA P44G1771	1.000 EA
RA194730	RA P44G1771	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2377L	SS SUPER-E CC CSA-C US CSA-EEV (LASER)	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
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
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
405851012AF	SPACE	4.000 EA
410700004A	WSHR	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
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
405851012AF	SPACE	4.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
048897010DJ	BUSH - 445	1.000 EA
067053001C	GASK 440	1.000 EA
076863000C	+CBCST BLKT - 440	1.000 EA
076864000A	CB CVRCST BLKT - 440	1.000 EA
406056007A	GASKET, 440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
415045002A	SLGR	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
LB1346N	LABEL,SUPER-E GP(4X4)	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA

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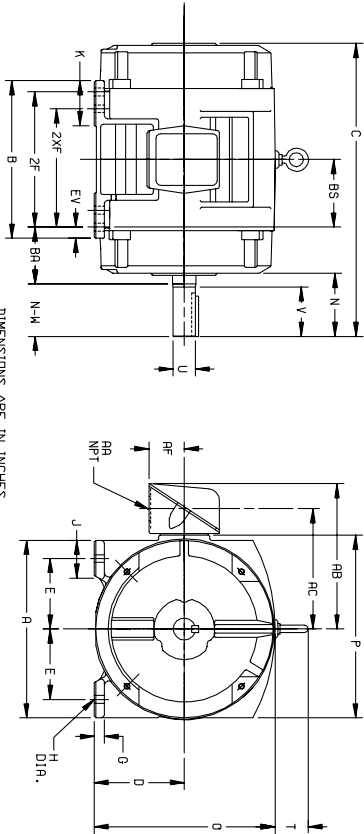
611750-501

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUARE-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF-VENTILATED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	K	L	P	T	CAST IRON TERMINAL BOX											
											AA	AB	AC	AD	AE	AF	BA	BB	BC	BD	BE	BF
2841-2856	12.50	6.25	5.00	6.75	5.62	3.25	3.75	1.62	12.69	2.44	1-1/4	10.55	9.62	2.50	4.25	6.62						
2841-2856	14.00	7.00	5.50	7.75	6.56	2.75	3.12	1.41	14.31	2.44	1-1/2	12.06	9.62	3.19	4.75	10.00						
3241-3261S	15.75	7.87	6.00	8.50	7.00	3.12	4.00	1.60	16.42	2.44	2	14.75	11.00	3.62	5.25	10.00						
3641-3651S	17.00	8.50	6.50	9.50	7.50	3.00	3.62	18.20	19.56	2.94	3	18.00	13.81	4.12	5.88	10.00						
4041-4051S	19.00	10.00	8.00	7.87	6.59	3.00	3.62	18.50	19.56	2.94	3	19.00	14.81	3.12	6.62	11.2						
4441-4451S	21.00	11.00	9.00	11.2	81	3.25	3.75	20.56	21.81	2.94	3	21.44	16.69	5.00	7.50	12.5						

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

REV. DESC: LOADED TO BUS	VERSION: 01	TDR: 000000546464
REV. LTR: A	REVISED: 03:18:49 06/22/2010	BY: RAGHTZ
FILE: \RAG\00009\279		
MTL: -		

BALDOR

DIM SHT-250T-440T

SH 1 of 1

FRAME	SIZE	C	BS	B	2F	2XF	N	N-W(6)	U(3)	V	S.O.	LGTH.	WEIGHT
254T	22.44	5.00	11.25	---	8.25	4.25	4.00	1.625	3.75	3.75	2.75	2.65	6.25
256T	22.44	5.00	11.25	10.00	---	4.25	4.00	1.625	3.75	3.75	2.75	2.75	6.25
284T	24.94	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	3.40	7.75
284TS	23.96	5.50	13.00	---	9.50	4.88	4.62	1.875	4.38	5.00	3.25	3.70	7.75
286T	24.94	5.50	13.00	11.00	---	4.88	4.62	1.875	4.38	5.00	3.25	3.70	7.75
286TS	23.96	5.50	13.00	11.00	---	4.88	4.62	1.875	4.38	5.00	3.25	3.70	7.75
324T	27.96	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	4.80	10.40
324TS	26.96	6.00	14.00	---	10.50	5.50	5.25	2.125	5.00	5.00	3.75	4.80	10.40
326T	27.96	6.00	14.00	12.00	---	5.50	5.25	2.125	5.00	5.00	3.75	5.20	10.40
326TS	26.96	6.00	14.00	12.00	---	5.50	5.25	2.125	5.00	5.00	3.75	5.20	10.40
364T	29.70	6.12	14.25	---	11.25	6.12	5.88	2.375	5.62	6.25	4.25	7.35	12.40
364TS	27.96	6.12	14.25	12.25	---	6.12	5.88	2.375	5.62	6.25	4.25	7.35	12.40
365T	29.70	6.12	14.25	12.25	---	6.12	5.88	2.375	5.62	6.25	4.25	7.35	12.40
404T	34.00	6.88	16.00	---	12.25	4.00	3.75	1.875	3.50	5.00	2.00	7.70	14.40
404TS	31.00	6.88	16.00	---	12.25	4.00	3.75	1.875	3.50	5.00	2.00	7.70	14.40
405T	34.00	6.88	16.00	13.75	---	4.62	4.25	2.125	4.00	5.00	2.75	10.85	14.40
444T	39.56	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88	17.95	17.90
444TS	35.81	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	17.90	17.90
445T	39.56	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	17.90	17.90
445TS	35.81	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.75	6.88	17.90	17.90

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
(2) "P" VARIES - 250T - 320T +.00, -.03
(3) "U" VARIES +.000, -.001
(4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
(5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
(6) "N-W" VARIES +.00, -.25.
- CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-M-1,
V-4-M-5-M-7, OR C-1 MOUNTING IS SPECIFIED.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT
FACTORY.
MAXIMUM PERMISSIBLE SHAFT ROUNDT WHEN MEASURED
AT END OF STD. SHAFT EXTENSION IS .002 TIR UP TO
AND INCLUDING 1625 DIA. AND .003 TIR. ABOVE 1625
TO 5 INCH DIA.

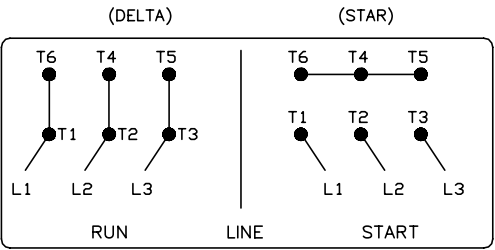
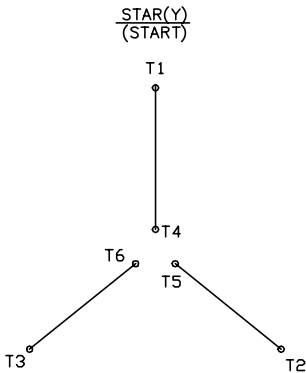
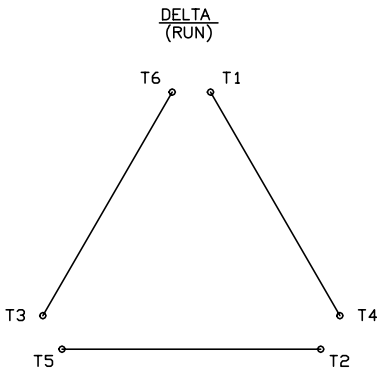
FRAME- TYPE- CERTIFIED FOR-
ORDER- ITEM- HP- RPM- PH- HZ VOLTS
SALES ORDER- APPROVED BY- DATE

105-057119

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

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>