

BALDOR® • RELIANCE

Product Information Packet

EM4407T-4

200HP,1785RPM,3PH,60HZ,447T,TEFC

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44120M	Elec. Spec:	A44WG4969	CD Diagram:	416820-008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-002
Frame:	447T	Mounting:	F1	Poles:	04	Created Date:	09-08-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	6#1					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

CAT.NO.	EM4407T-4	SPEC NO.	A44-0002-4969
HP	200	AMPS	223
FRAME	447T	RPM	1785
DRIVE END BEARING	90BC03J30X	HZ	60
OPP D.E. BEARING	90BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	F
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	TEFC
		CODE	G
		POWER FACTOR	87
		NEMA-NOM-EFFICIENCY	96.2
		MAX CORR KVAR	32
		GUARANTEED EFFICIENCY	95.4
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	2676

Parts List		
Part Number	Description	Quantity
SA306876	SA A44-0002-4969	1.000 EA
RA294150	RA A44-0002-4969	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	1.160 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
034017014AB	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
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
078548001R	FAN KB 234/150 (84) 400	1.000 EA
083199126RA	G28 MOLDED FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
410700004A	WSHR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018004BK	HHCS 5/16-18X1/2 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
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034692001AB	HCSPP 1/8" PLATED	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151014G	RETAIN RING	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
415915007G	GASK, LAC	1.000 FT
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
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.375 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA

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034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
N424001803DBF	LEAD SET 1-1 AWG 6-DB 447/9 FR 102 IN	2.000 EA
604797056	WOOD BASE 447 60 X 41-1/2 BLT 20 X 18	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA

Accessories		
Part Number	Description	Multiplier
089490106A	G28 C-FACE BRKT MACH-6318 089490105WCA	P1
089490110A	D-FLANGE BRKT, G28 089490109WCA	P1

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	200	P	3/60	1785	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
223	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
444969	418143052CE	---	---	.0209		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	60.4	1800	3.47	0	
1/4	50.0	87.1	1796	56.7	95.0	
2/4	100	125	1793	77.4	96.5	
3/4	150	172	1789	84.6	96.5	
4/4	200	223	1785	87.3	96.2	
5/4	250	278	1781	88.0	95.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	143	839	1421		
PULL UP	540	125	734	1352		
BREAKDOWN	1729	285	1675	779		
FULL LOAD	1785	100	588	223		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: CALCULATED DATA						



A MEMBER OF THE ABB GROUP

DR. BY E.J. CHRISTIAN

CK. BY T.G. KEIANT

APP. BY T.G. KEIANT

DATE 04/20/16

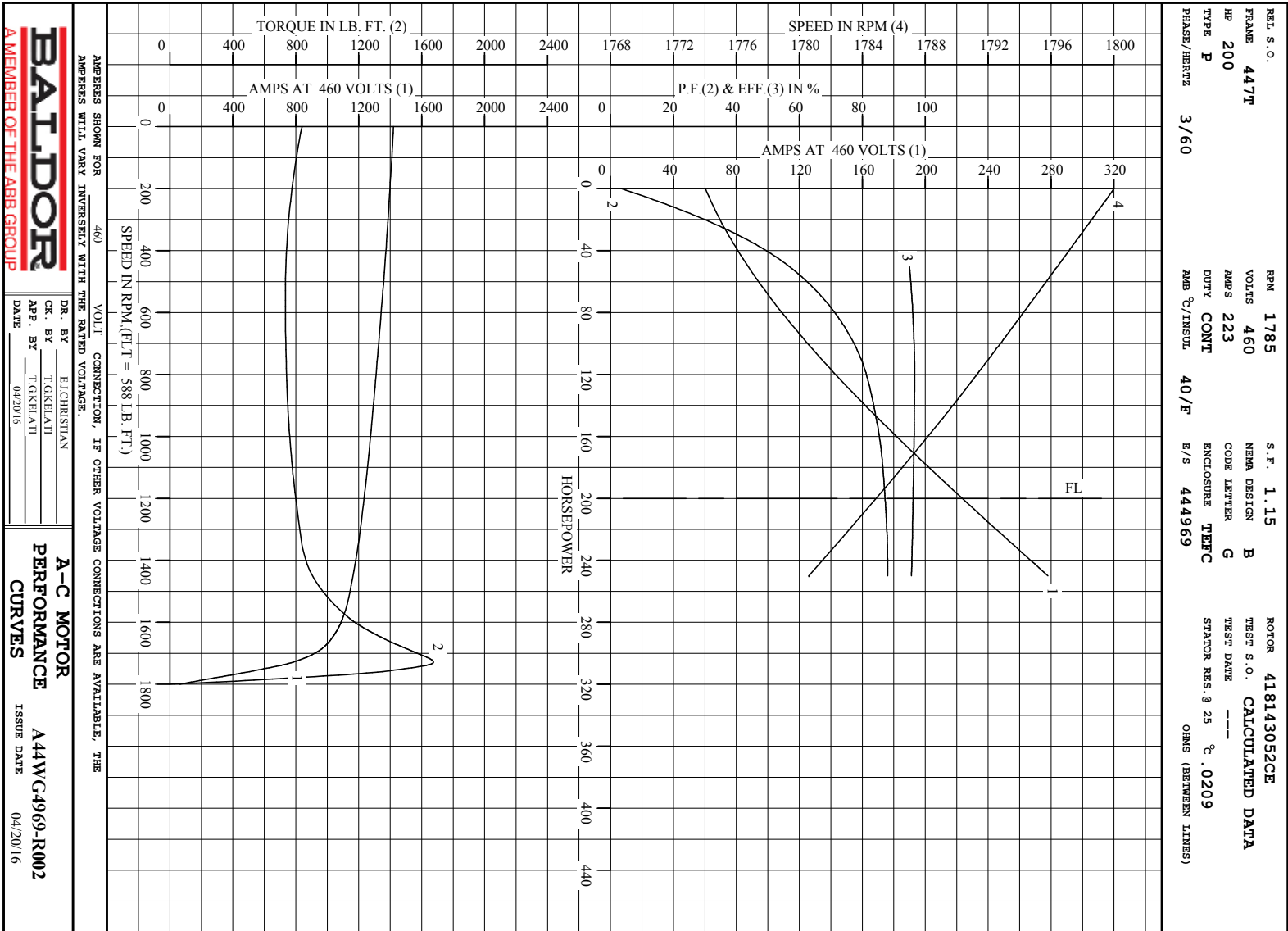
A-C MOTOR

PERFORMANCE

DATA

444WG4969-R002

ISSUE DATE 04/20/16



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

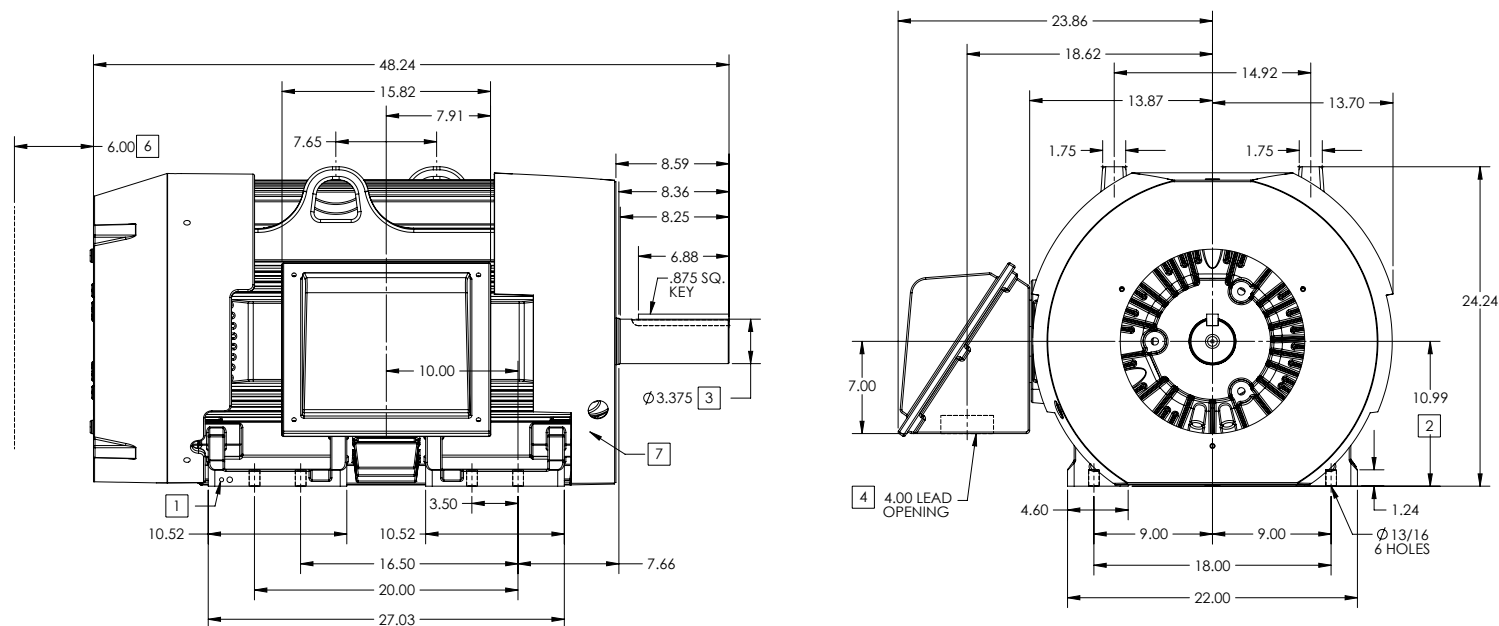
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES $\pm .00, -.06$
3. VARIES $\pm .000, -.001$
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.
7. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

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): 2515

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.

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL..."			
REV: A	VERSION: 01	REVISED: 08/25/13 02/15/2013	TDR: 000000786306
MODEL NO. 617427-002		REF:	
BY: MGHWC		Material:	

BALDOR

G447T/445T STD - FOOTED - SIDE/CENTER C/B

SHEET NUMBER
1 OF 2

0007-27-119

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

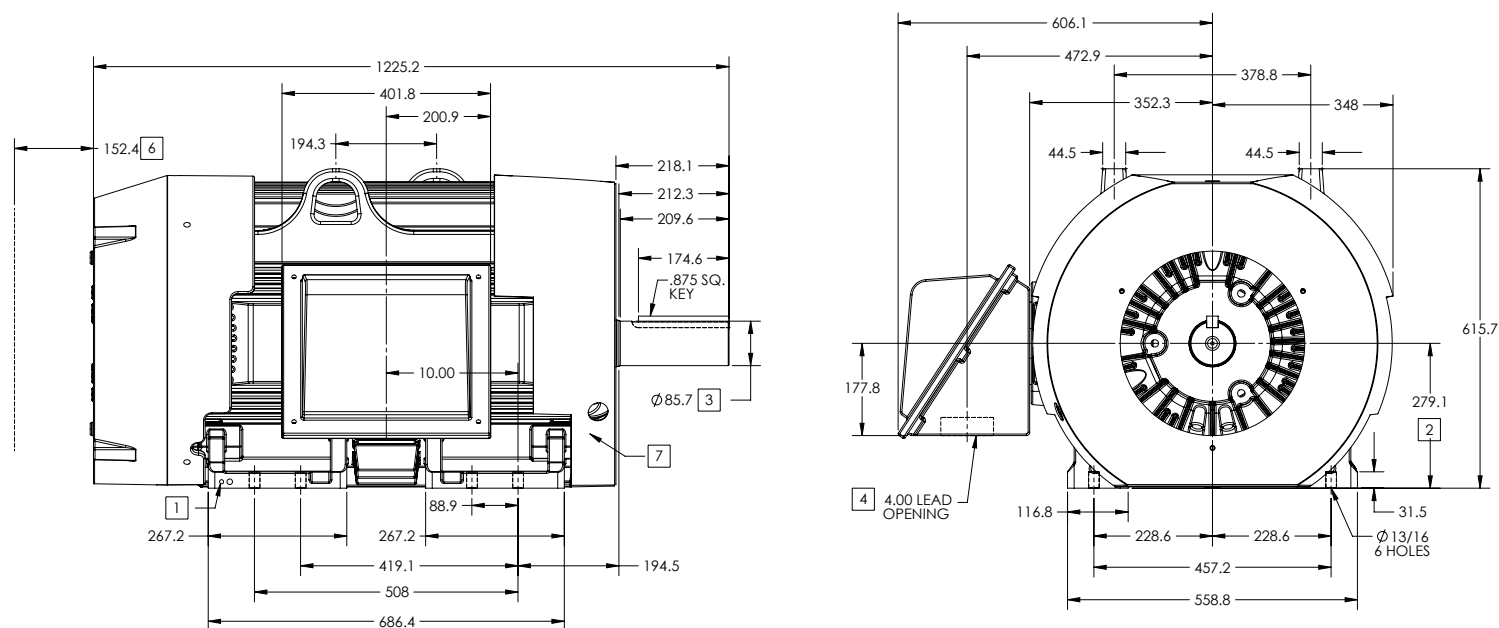
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES $\pm .00$ -.06
3. VARIES $\pm .000$ -.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.
7. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

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): 1140

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.

REV. A	VERSION: 01	REVISED: 08/25/13 02/15/2013	TDR: 000000786306
MODEL NO. 617427-002	BY: MGHWC	Material:	REF:

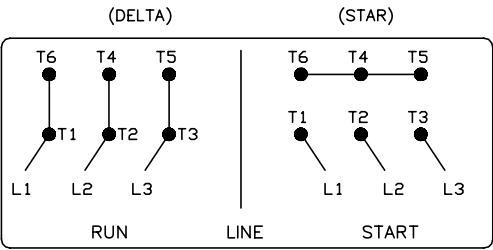
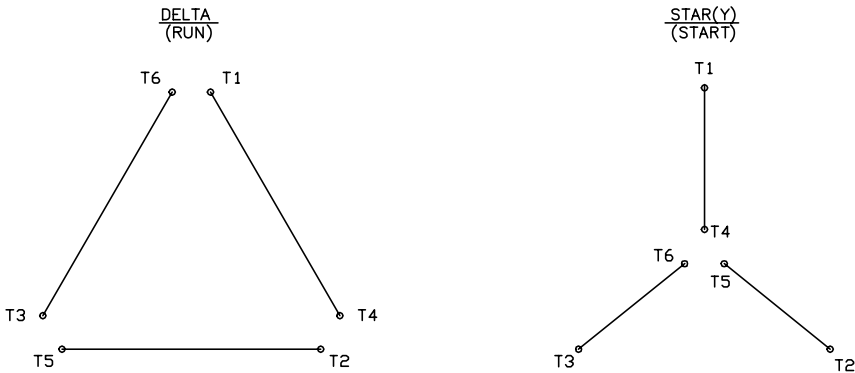
BALDOR

G447T/445T 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: -		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008