



Product Information Packet

EM44352T-4

350HP,3570RPM,3PH,60HZ,449TS,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG2866	CD Diagram:	416820-008	Mfg Plant:	
Mech. Spec:		Layout:	617427-445	Poles:	02	Created Date:	04-02-2015
Base:		Eff. Date:	03-01-2017	Leads:	6#1 (02 per group)		

Specs			
Catalog Number:	EM44352T-4	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	449TS	Inverter Code:	Inverter Ready
Frame Material:	Iron	IP Rating:	NONE
Output @ Frequency:	350.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 1 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Type:	A44144M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	91
Agency Approvals:	CCSA US	Product Family:	General Industrial
	CSA EEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Base Indicator:	Rigid	Shaft Ground Indicator:	No Shaft Grounding
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Rotation:	Reversible
Current @ Voltage:	375.000 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Wye Start - Delta Run

Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
		Thermal Device - Winding:	None

Nameplate NP2496L

MOBIL POLYREX EM

Nameplate NP2349L

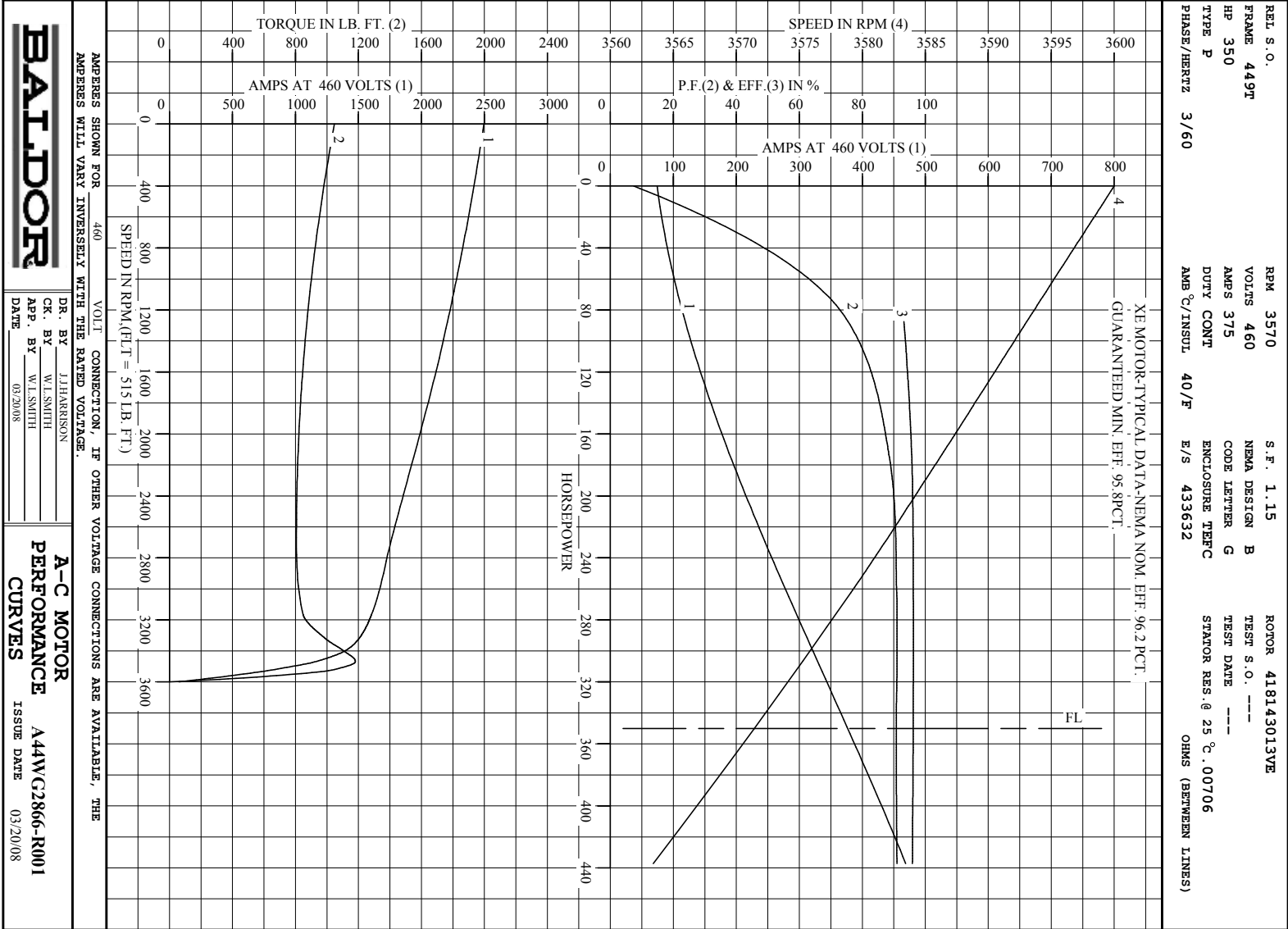
SPEC NO.	A44-7089-2866			CAT.NO.	EM44352T-4			FRAME	449TS		
HP	350		VOLTS	460		PHASE	3	DESIGN	B	TYPE	P
RPM	3570		AMPS	375		HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	65BC03J30X			DUTY	CONT		INSUL.CLASS	F			
OPP D.E. BEARING	65BC03J30X			ENCL	TEFC		CODE	G			
SER.NO.				POWER FACTOR	91		NEMA-NOM-EFFICIENCY	96.2			
							MAX CORR KVAR	53.7		GUARANTEED EFFICIENCY	95.4
							NEMA NOM/CSA QUOTED EFF				
							MOTOR WEIGHT	2855			

Parts List		
Part Number	Description	Quantity
SA296098	SA A44-7089-2866	1.000 EA
RA282149	RA A44-7089-2866	1.000 EA
421948044	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2349L	SUPER-E ,SS, CSA, CSA SUPER-E	1.000 EA
089490097A	BRKT 089490102WCA	1.000 EA
415072001B	CLAMP	1.000 EA
083199126RA	G28 MOLDED FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
004824015A	GREASE POLYREX EM	0.540 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
410700004F	WSHR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034690005AB	PPLG 3/4 PLATED	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034690001AB	1/8" NPT SQHDPLG	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
702623012A	THERMAL BARRIER, G28	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
034000013AB	WSHR 5/16" PLATED-440	3.000 EA
089490097A	BRKT 089490102WCA	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 EA
034001013AB	FTW BAFFLE	3.000 EA
415915007K	GASK, 26" LAC	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.500 GA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA

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702616012T	CONDUIT BOX	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA
604797056	400-447 FRAME 60 X 42	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
604799003C	PLASTIC BAG 42X32X46	1.000 EA



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

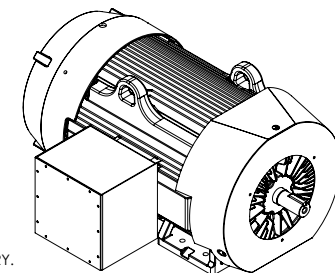
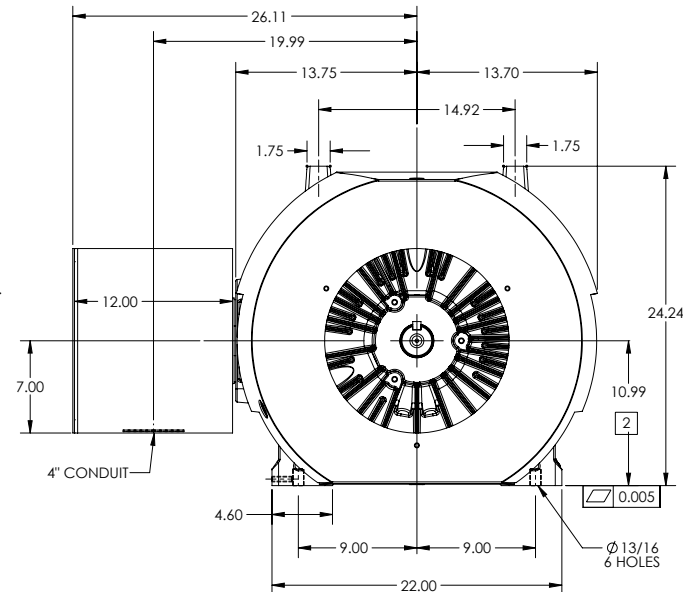
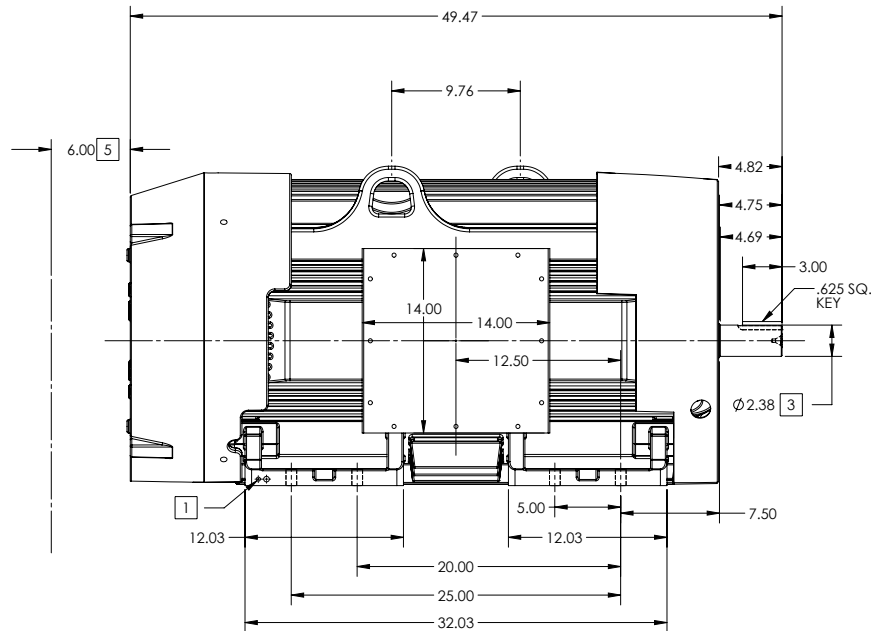
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449TS ABOVE NEMA RATINGS (3600 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447TS FRAME MOUNTING HOLES



4 WEIGHT (LBS): 3080

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.000, -.001
4. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCR OACH 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.

SHEET NUMBER
1 OF 2

617427-445

REV. DESC: NEW DRAWING

REV: - VERSION: 00

REVISED: 11-13-38 04/02/2015

TDR: 00000918312

MODEL NO. 617427-445

BY: RAGEC

BALDOR

G449TS/447TS-FOOTED-SIDE-CENTER CONDUIT BOX-14X14X12

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

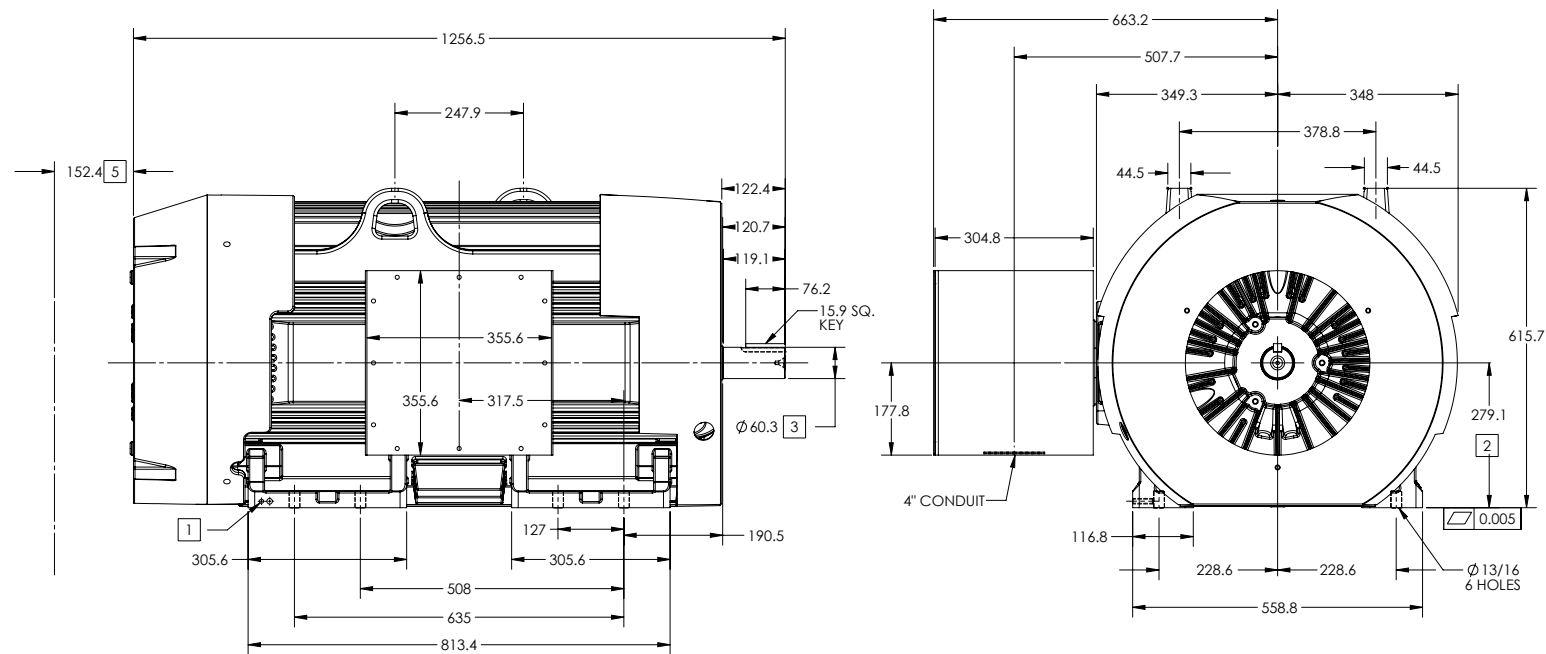
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449TS ABOVE NEMA RATINGS (3600 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447TS FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +0,-1.5
3. VARIES +.00,-.03
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCR OACH 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 .08 MM T.I.R. TO 127 MM DIA.

5 WEIGHT (KGS): 1400

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER
2 OF 2

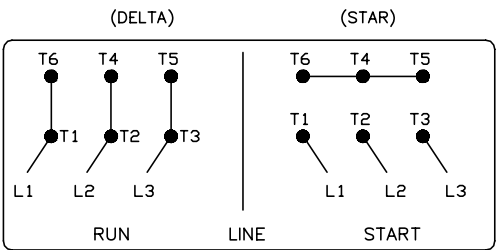
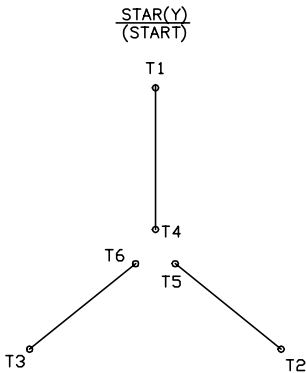
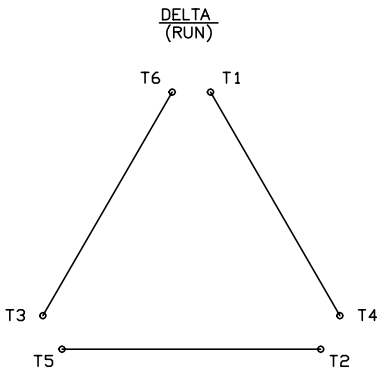
REV. DESC: NEW DRAWING
REV: - VERSION: 00
MODEL NO. 617427-445
BY: RAGEC

BALDOR
G449TS/447TS-FOOTED-SIDE-CENTER CONDUIT BOX-14X14X12

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

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