



Customer information packet

EM2572T-4

350HP, 1780RPM, 3PH, 60HZ, 449T, DP, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	350.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	382.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	382.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44128M

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3196
Layout	604989-505
Eff. date	03-01-2017
CD Diagram	416820-008
Poles	04
Leads	6#2 (02 per group)
Proprietary	False
Created date	11-25-2015

Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.12 IN
Power Factor	89
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

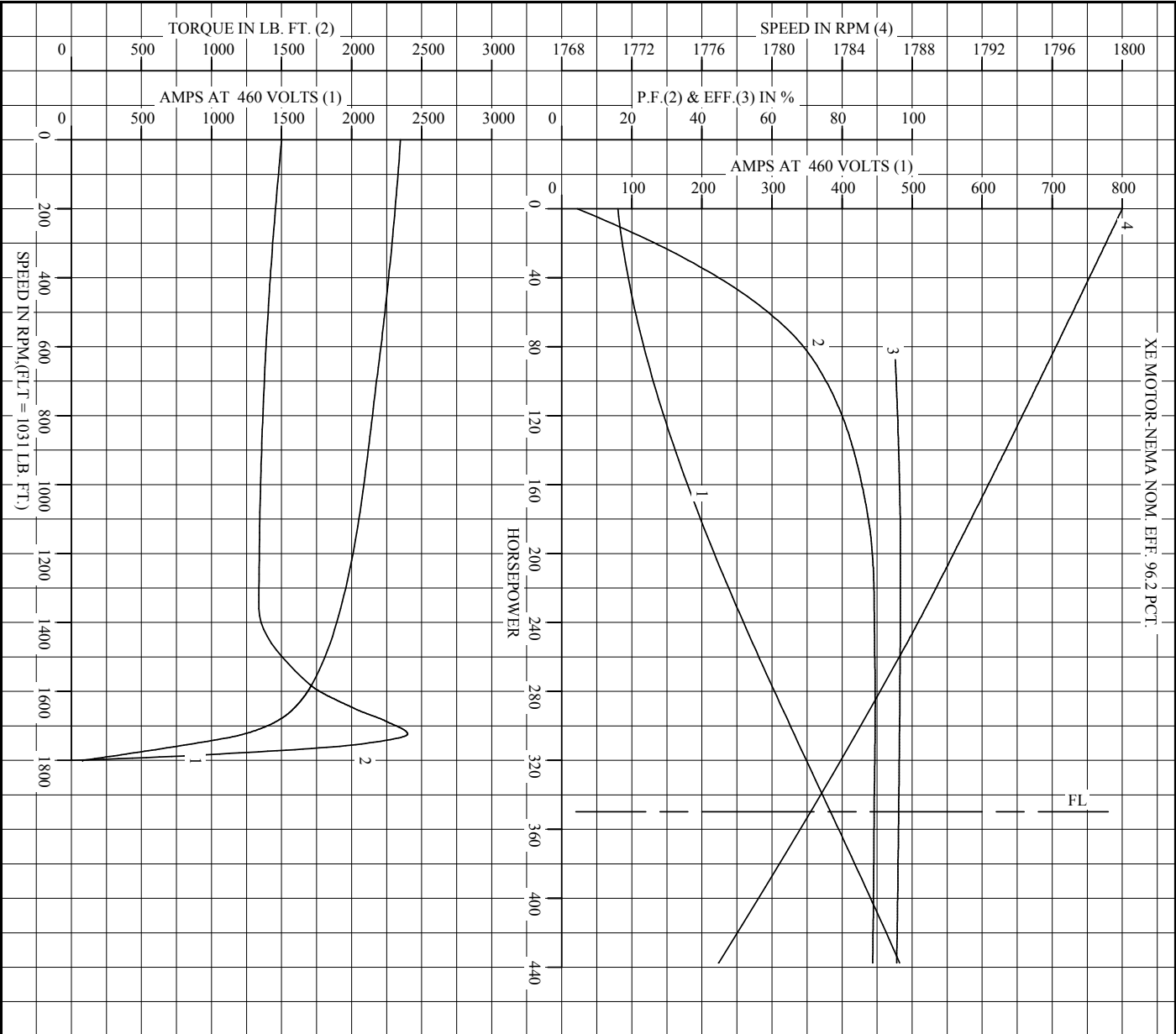
NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A44-8066-3196			CAT.NO.	EM2572T-4					FRAME	449T			
HP	350	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P				
RPM	1780	AMPS	382		HZ	60	AMB	40	SF	1.15				
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS			F						
OPP D.E. BEARING	90BC03J30X		ENCL	DP	CODE	F								
SER.NO.				POWER FACTOR	89	NEMA-NOM-EFFICIENCY					96.2			
						MAX CORR KVAR	48	GUARANTEED EFFICIENCY				95.4		
						NEMA NOM/CSA QUOTED EFF								
											MOTOR WEIGHT	2694		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	350	P	3/60	1780	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
382	CONT	40/B	1.15	B	F	PRIYE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
433856	418143049LE	---	---	.0126		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	80.6	1800	4.45	0	
1/4	87.6	120	1796	71.8	95.2	
2/4	175	195	1792	87.1	96.6	
3/4	262	285	1787	89.4	96.6	
4/4	350	382	1782	89.2	96.2	
5/4	438	483	1777	88.8	95.6	
SPEED TORQUE						
	RPM	% TORQUE FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	146	1501	2349		
PULL UP	1360	130	1339	1921		
BREAKDOWN	1723	233	2400	1233		
FULL LOAD	1782	100	1031	382		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: CALCULATED DATA XE MOTOR-NEMA NOM. EFF. 96.2 PCT.						
			DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 07/27/05		A-C MOTOR PERFORMANCE DATA A44WG3196-R001 ISSUE DATE 07/25/05	

REL. S.O.		RPM	1780	S.F.	1.15	ROTOR	4181430491E
FRAME	449T	VOLTS	460	NEMA DESIGN	B	TEST S.O. CALCULATED DATA	
HP	350	AMPS	382	CODE LETTER	F	TEST DATE	---
TYPE	P	DUTY CONT		ENCLOSURE PRXE		STATOR RES. @ 25 °C .0126	
PHASE/HERTZ	3/60	AMB °C/INSUL	40/B	E/S	433856	OHMS (BETWEEN LINES)	



AMPERES SHOWN FOR 460 VOLTS CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY W. L. SMITH
CK. BY J. HARRISON
APP. BY W. L. SMITH
DATE 07/27/05

A-C MOTOR
PERFORMANCE
CURVES
A44WG3196-R001
ISSUE DATE 07/25/05

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

604989-505

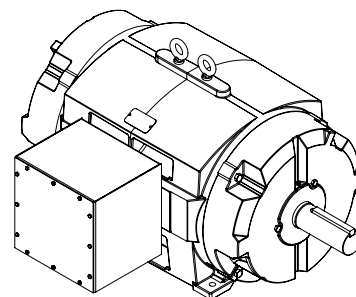
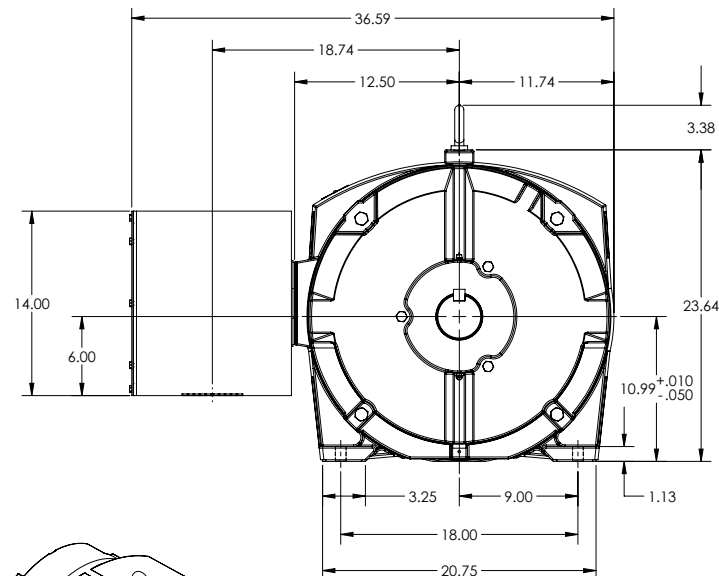
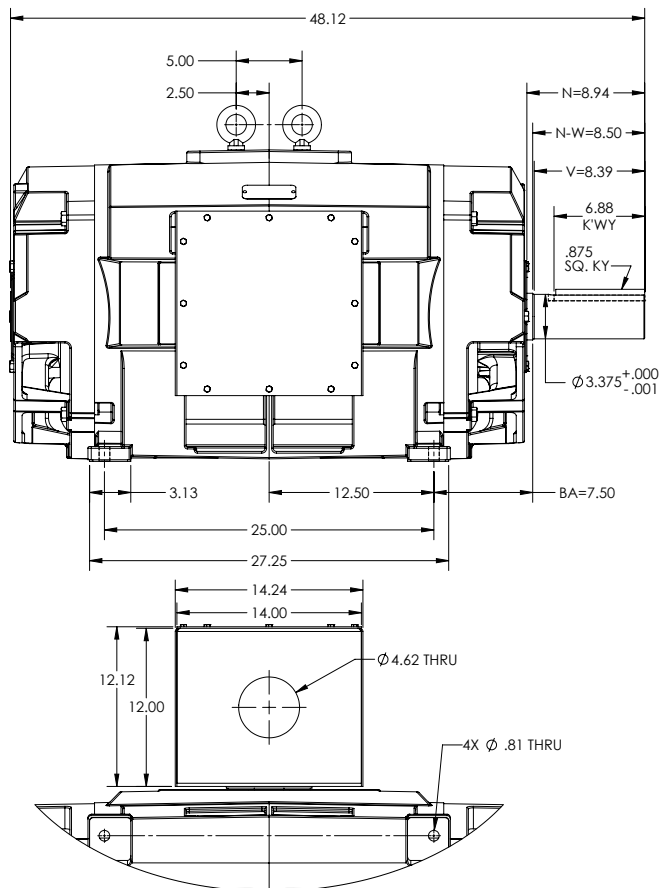
ENCLOSURE: PROTECTED; OPEN DRIP PROOF

FRAME E449T

COOLING: SELF-VENTILATED

MOUNTING: FOOT, F-1 SIDE

14X14X12 FABRICATED STEEL C/BOX



MOTOR WEIGHT: 2100 LBS
 *MAY VARY BY 15% DEPENDING ON RATING

DIMENSIONS ARE IN INCHES

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

REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM

REV: B VERSION: 02

REVISED: 07-28-44 07/14/2022

TDR: 000001193529

MODEL NO. 604989-505

BY: USBUFA

BALDOR

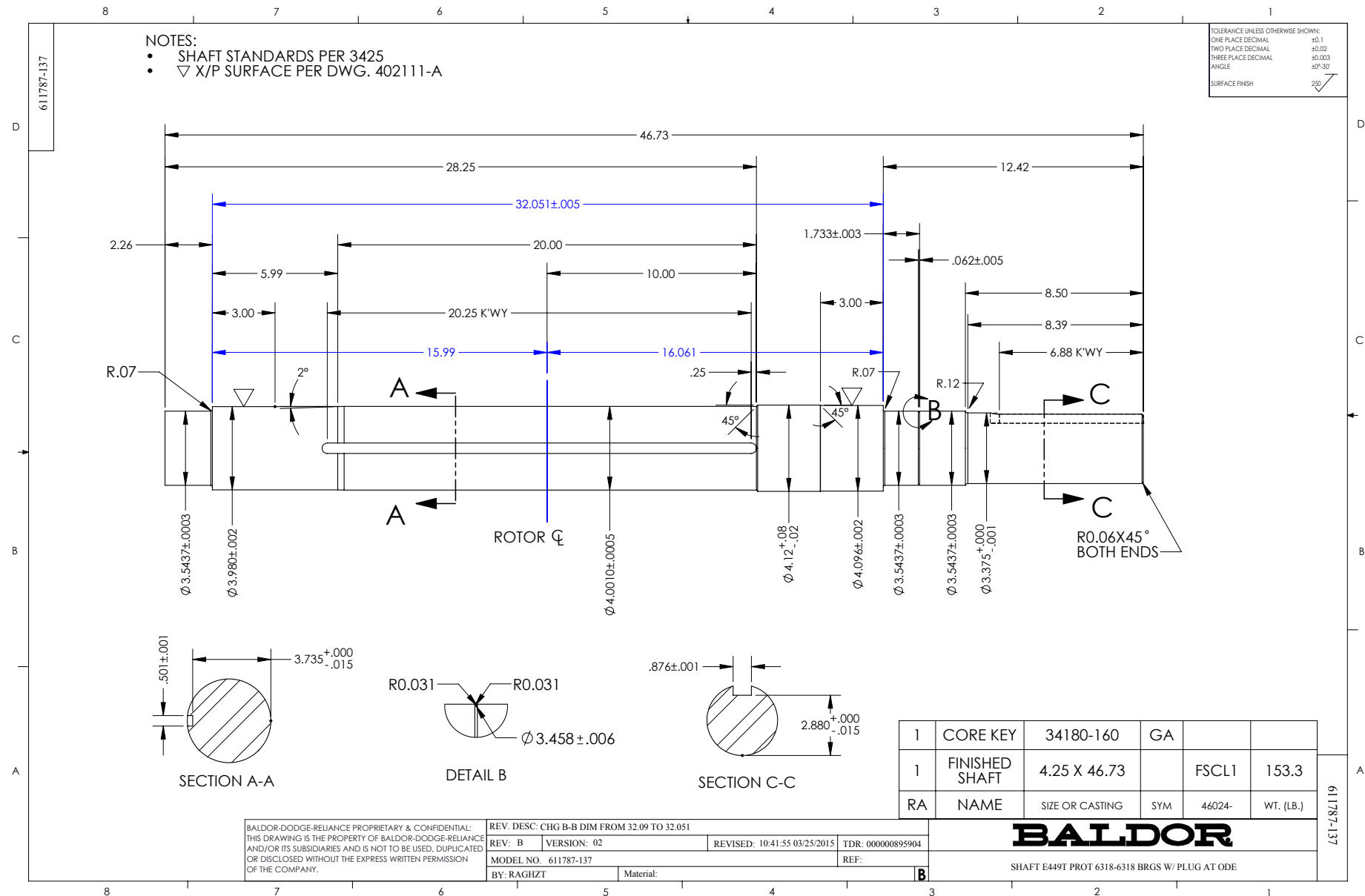
449T PROT F-1 FT - 14X14X12 FAB STL C/BOX

SHEET NUMBER

1 OF 1

505-686F09

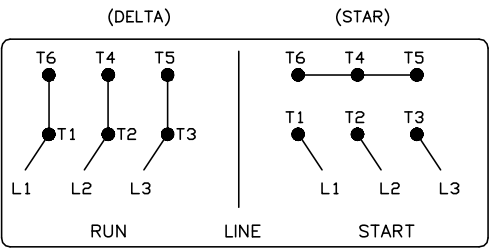
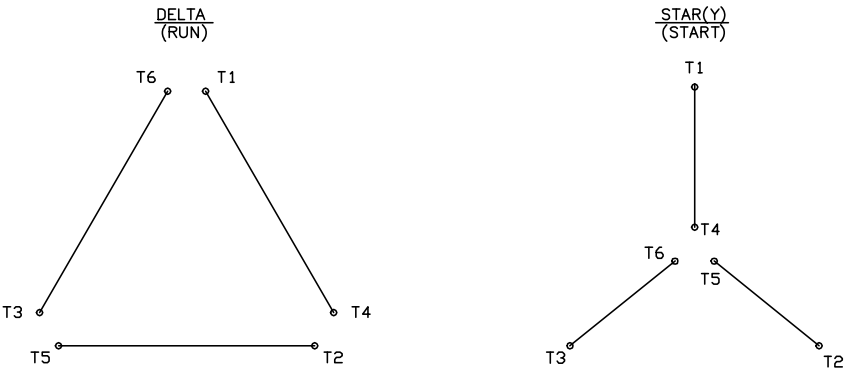
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416820-008

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