



Customer information packet

EM4413T-4

150HP, 3570RPM, 3PH, 60HZ, 445TS, A4478M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	445TS
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	164.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	164.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A4478M
Mounting Arrangement	F1

Part detail

Revision	R
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3535
Layout	617435-049
Eff. date	10-06-2025
CD Diagram	416820-036
Poles	02
Leads	3#2 (02 per group)
Proprietary	False
Created date	08-13-2012

Number of Poles	2
Overall Length	41.08 IN
Power Factor	90
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2349L

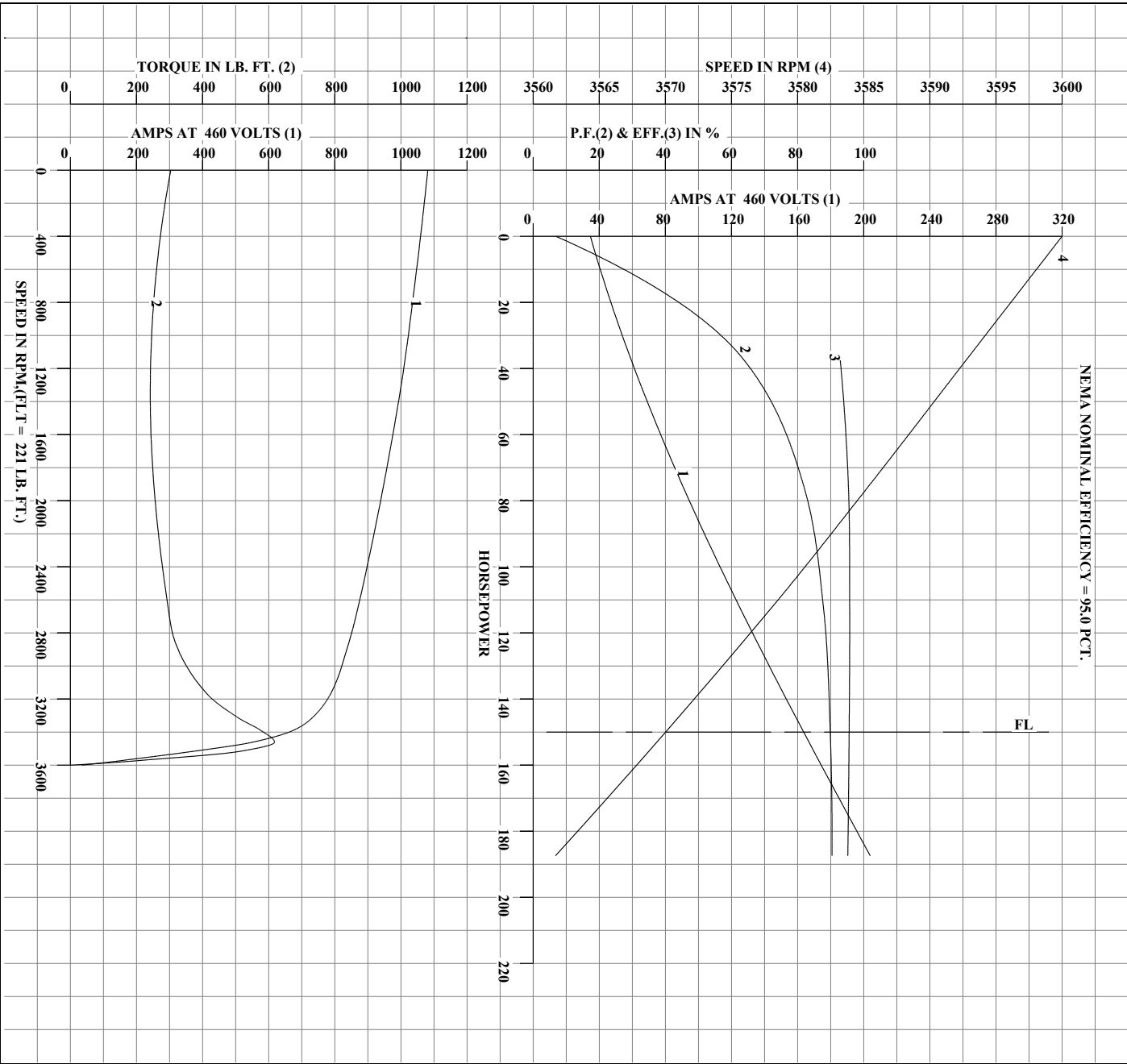
SPEC NO.	P44G3906			CAT.NO.	EM4413T-4					FRAME	445TS	
HP	150	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3570	AMPS	164		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR		90	NEMA-NOM-EFFICIENCY					95
						MAX CORR KVAR			20.0	GUARANTEED EFFICIENCY		94.1
						NEMA NOM/CSA QUOTED EFF						
											MOTOR WEIGHT	

Accessories

Part number	Description	Multiplier
089490104B	BRKT,DE 089490103WCA, C-Face	P1
089490108A	D-FLANGE EP MACHINING, G28 W/6313 BRG	

[illegible]

REL.S.O.	445	RPM 3570	S.F. 1.15	ROTOR 0
FRAME	445	VOLTS 460	NEMA DESIGN B	TEST S.O. CALCULATED DATA
HP	150	AMPS 164	CODE LETTER G	TEST DATE ---
TYPE	P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0292
PHASE / HERTZ	3/60	AMB °C / INSUL. 40/F	E/S 0	OHMS (BETWEEN LINES)

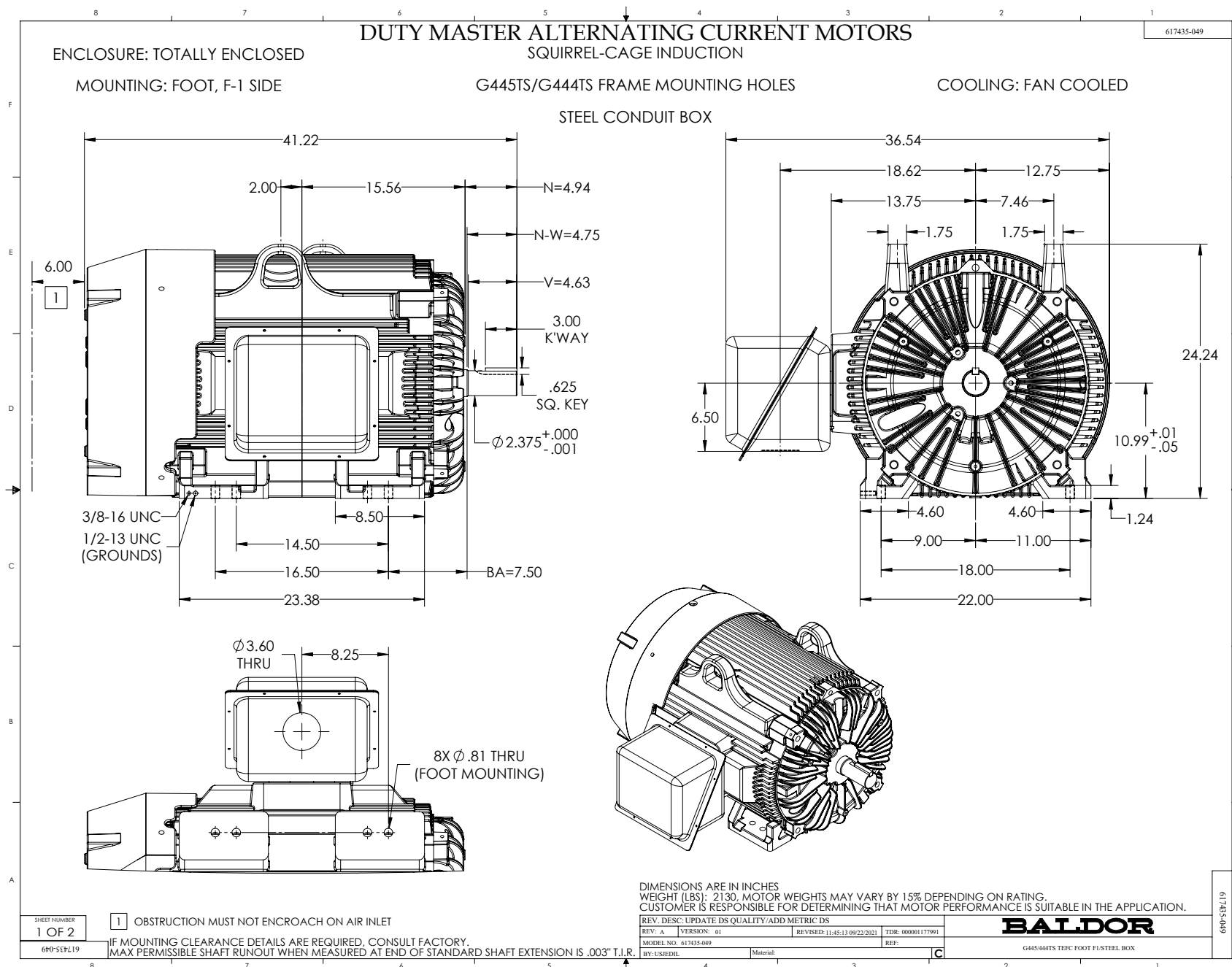


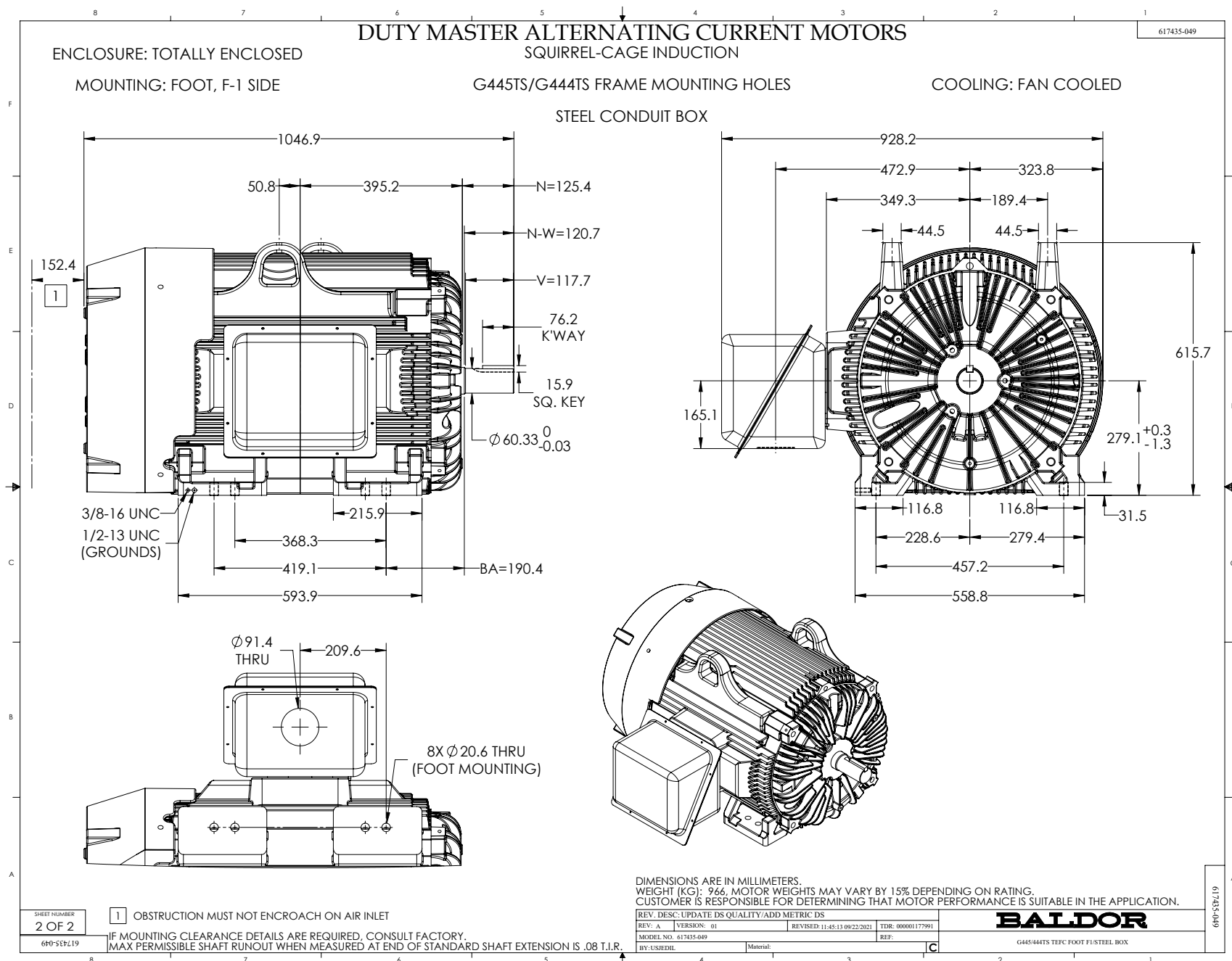
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: <u>CD</u>	AC MOTOR PERFORMANCE DATA	A44W/G3535-R001
	CHECKED BY: <u>CD</u> APPROVED BY: <u>R. MCELVEEN</u> DATE: <u>1/18/11</u>		

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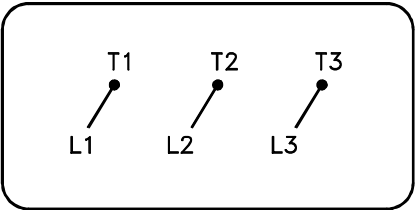
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416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1