



Customer information packet

EM4310T

60HP, 3560RPM, 3PH, 60HZ, 364TS, A36056M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TS
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	65.400 A @ 460.0 V 145.000 A @ 208.0 V 131.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	65.4 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	AA
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0224
Layout	617428-013
Eff. date	08-12-2024
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	10-19-2010

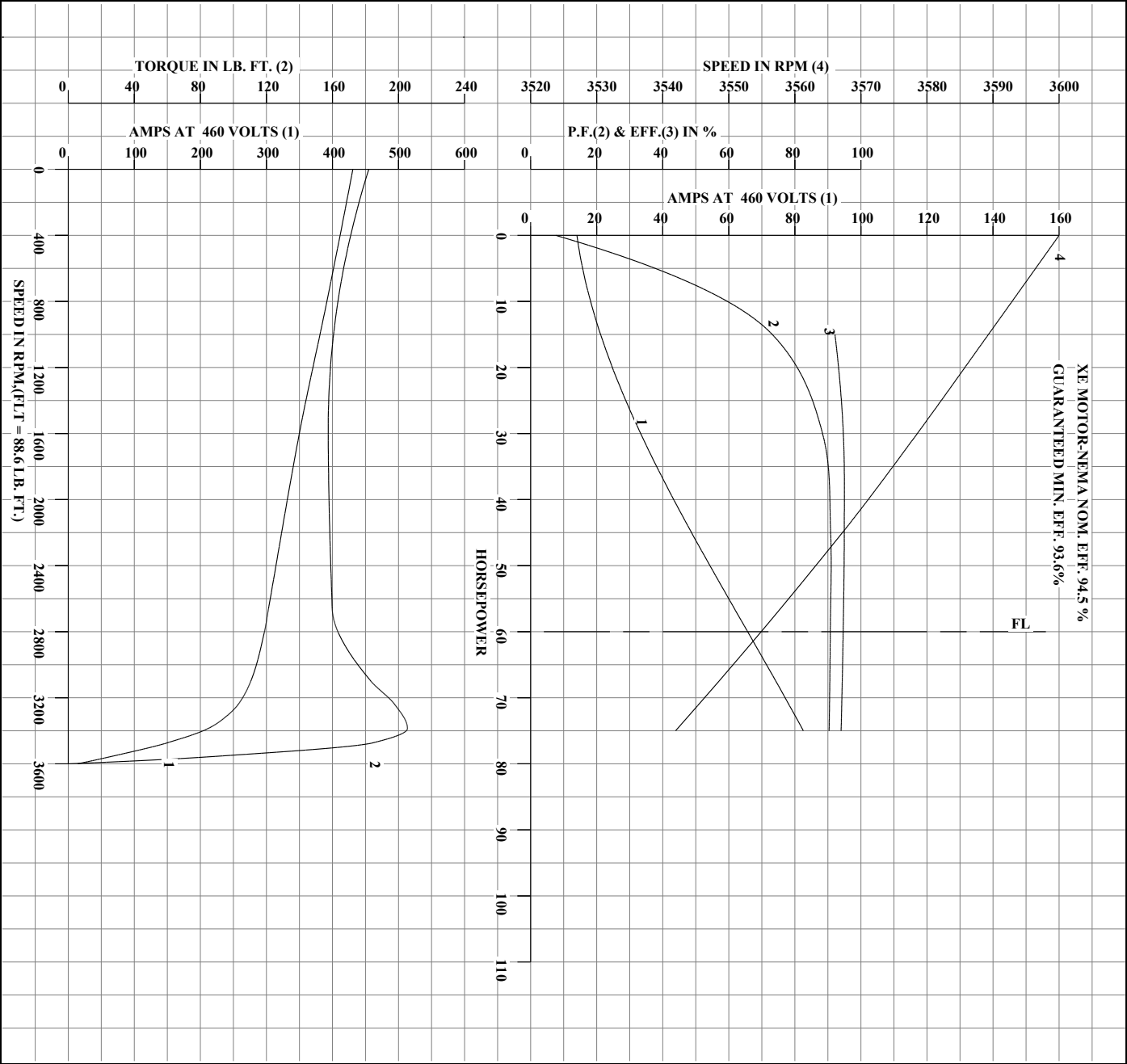
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.36 IN
Power Factor	91
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3979LUA

CAT #	EM4310T				SER					CC	010A			
SPEC	P36G3404				RATING	40C AMB-CONT								
HZ	VOLTS		AMPS		RPM	HP	CODE	-	SF	DES	PF	NEMA NOM. EFF		
60	230/460		131/65.4		3555	60	G		1.15	B	91 %	94.5 %		
	-										%	%		
PH	3	CL	F	MAX CORR KVAR		5.0								
BRG	DE	6313	ODE	6313	ENCL	TEFC	FR	364TS		54				
GREASE	POLYREX EM						MTR WT		855	LBS				
USABLE AT		50HZ 50HP 190/380V 132/66A					SF1.0							
INVERTER DUTY		CT	15-60	HZ	4:1	VT	3-60	HZ	20:1	CHP	60-75	HZ	1.25:1	1.0 SF VPWM
MAX RPM	4500	SFA 151/75.5												

REL.S.O.	FRAME 364	HP 60	TYPE P	PHASE / HERTZ 3/60	RPM 3555	VOLTS 230/460	AMPS 131/65.4	DUTY CONT	AMB °C / INSUL. 40/F	S.F. 1.15	NEMA DESIGN B	CODE LETTER G	ENCLOSURE TEFC	E/S 491281	ROTOR 418141005XE	TEST S.O. TYPICAL DATA	TEST DATE ---	STATOR RES. @ 25°C .0254/.101	OHMS (BETWEEN LINES)
----------	-----------	-------	--------	--------------------	----------	---------------	---------------	-----------	----------------------	-----------	---------------	---------------	----------------	------------	-------------------	------------------------	---------------	-------------------------------	----------------------



DRAWN BY: W.L.SMITH
CHECKED BY: G.R.WEBB
APPROVED BY: E.J.CHRISTIAN
DATE: 03/11/02

AC MOTOR
PERFORMANCE
DATA

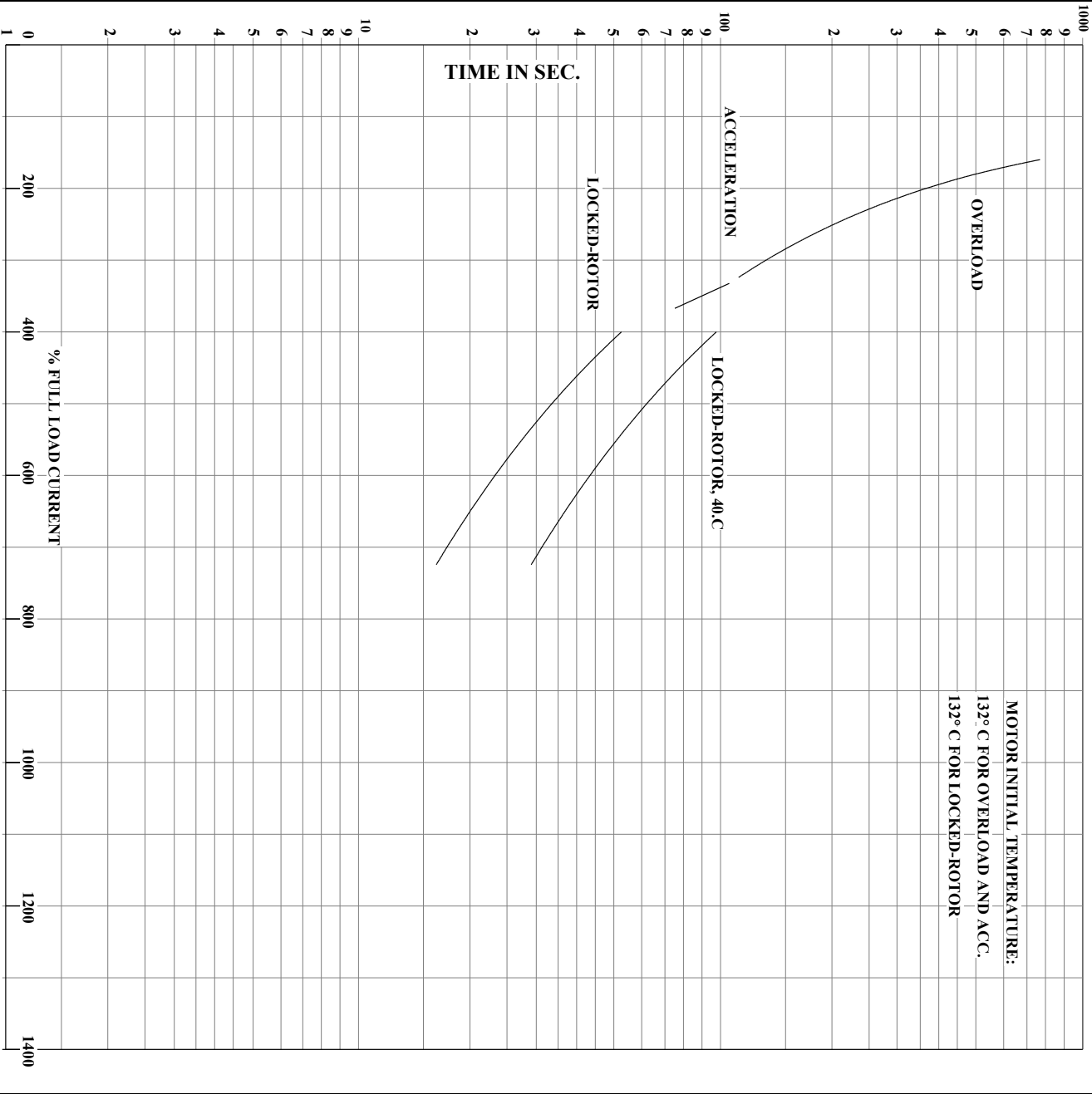
A36WG0224-R004

ISSUE DATE 01/11/22

USERCHRI

Printed on 01/11/2022 1:52 PM

REL.S.O.	RPM 3555	S.F. 1.15	ROTOR 418141005XE
FRAME 364	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 131/65.4	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0254/.101
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 491281	OHMS (BETWEEN LINES)



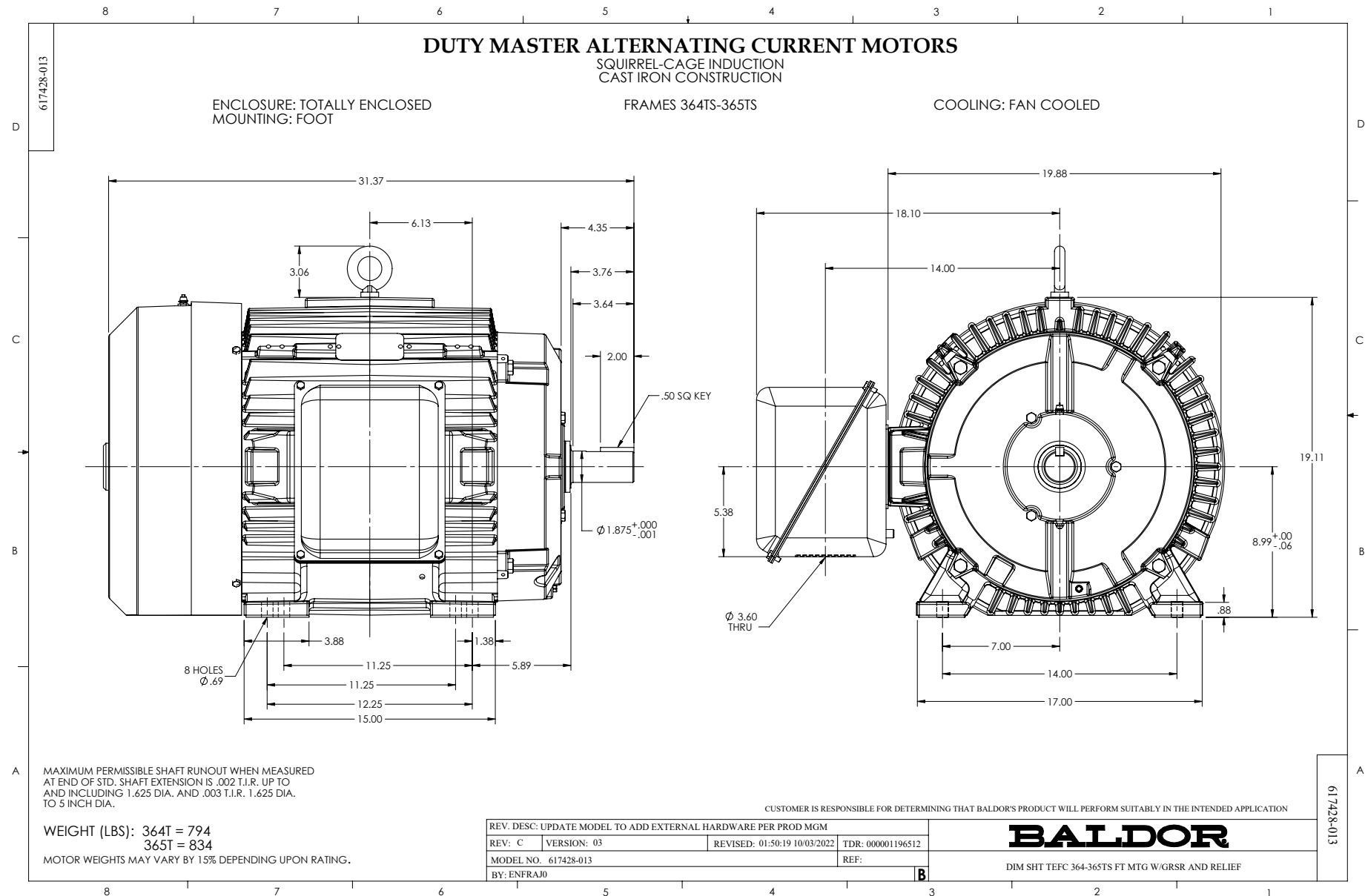
Thermal Limit Curve
XE MOTOR-NEMA NOM. EFF. 94.5 %

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: W.L.SMITH CHECKED BY: G.R.WEBB APPROVED BY: E.J.CHRISTIAN DATE: 03/11/02	AC MOTOR PERFORMANCE DATA	A36WG0224-R004 ISSUE DATE 01/11/22
--	---	---------------------------------	---------------------------------------

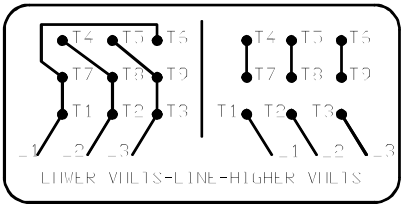
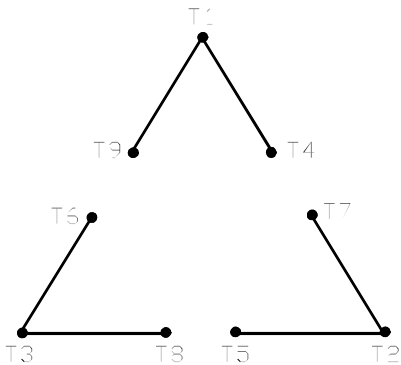
USERCHRI

Printed on 01/11/2022 1:52 PM



416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002