



Customer information packet

ECP4312T

50HP, 1185RPM, 3PH, 60HZ, 365T, A36062M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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)
Constant Torque Speed Range	6-60
Current @ Voltage	61.700 A @ 460.0 V 135.000 A @ 208.0 V 123.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3A
Heater Indicator	No Heater
High Voltage Full Load Amps	61.7 a

Part detail

Revision	X
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0466
Layout	617428-034
Eff. date	08-26-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	11-21-2011

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	F
Lifting Lugs	No Lifting Lugs
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.49 IN
Power Factor	81
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	Shaft Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

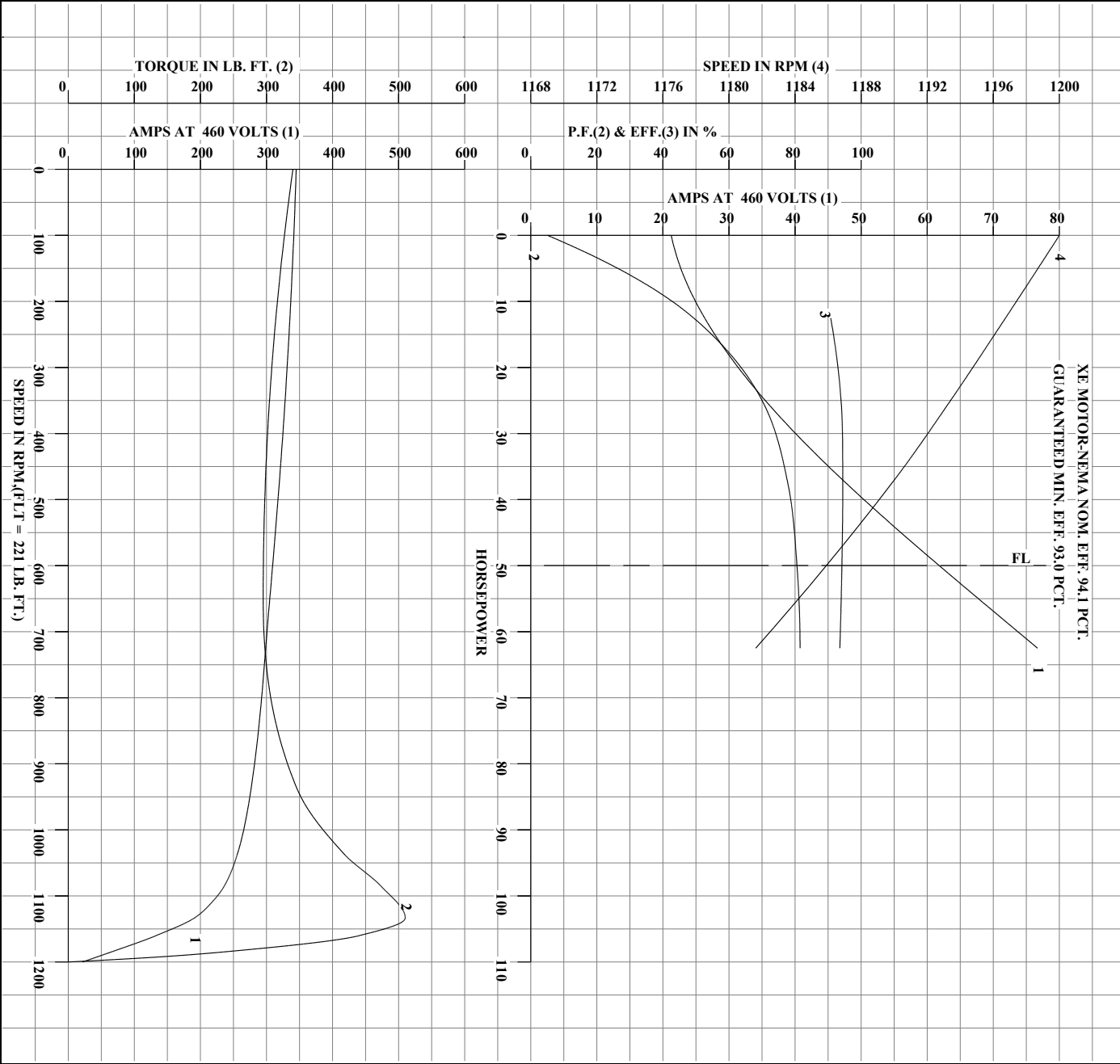
NP4033LUA

CAT #		ECP4312T				SER				CC		010A							
SPEC		A36-1231-0466				RATING		40C AMB-CONT											
HZ		VOLTS		AMPS		RPM		HP		CODE		-	SF	DES	PF	NEMA NOM. EFF			
60		230/460		123/61.7		1185		50		F			1.15	B	81	%	94.1	%	
																%		%	
PH	3	CL	F	MAX RPM		1800		MAX CORR KVAR		14									
BRG	DE	6313		ODE	6313		ENCL	TEFC		FR	365T		IP	55					
GREASE		POLYREX EM									MTR WT		879		LBS				
CL I DIV 2 GRPS A,B,C,D						CL I ZONE 2 GRPS						IIA,IIB,IIC			TEMP T		200	C	
INV READY		CT	15-60		HZ	4:1		VT	3-60		HZ	20:1		CHP	60-90		HZ	1.5:1	
INV TEMP CL			200	C	USABLE AT		50HZ 40HP 190/380V 120/60A								SF1.0				

Accessories

Part number	Description	Multiplier
K36G2	C-FACE KIT	A8

REL.S.O.	FRAME 365T	RPM 1185	S.F. 1.15	ROTOR 418141-74EE
HP 50		VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P		AMPS 123/61.7	CODE LETTER F	TEST DATE ---
PHASE / HERTZ 3/60		DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0325/.130
		AMB °C / INSUL. 40/F	E/S 892104	OHMS (BETWEEN LINES)



DRAWN BY: W.L. SMITH
CHECKED BY: J.J. HARRISON
APPROVED BY: W.L. SMITH
DATE: 12/07/05

AC MOTOR
PERFORMANCE
DATA

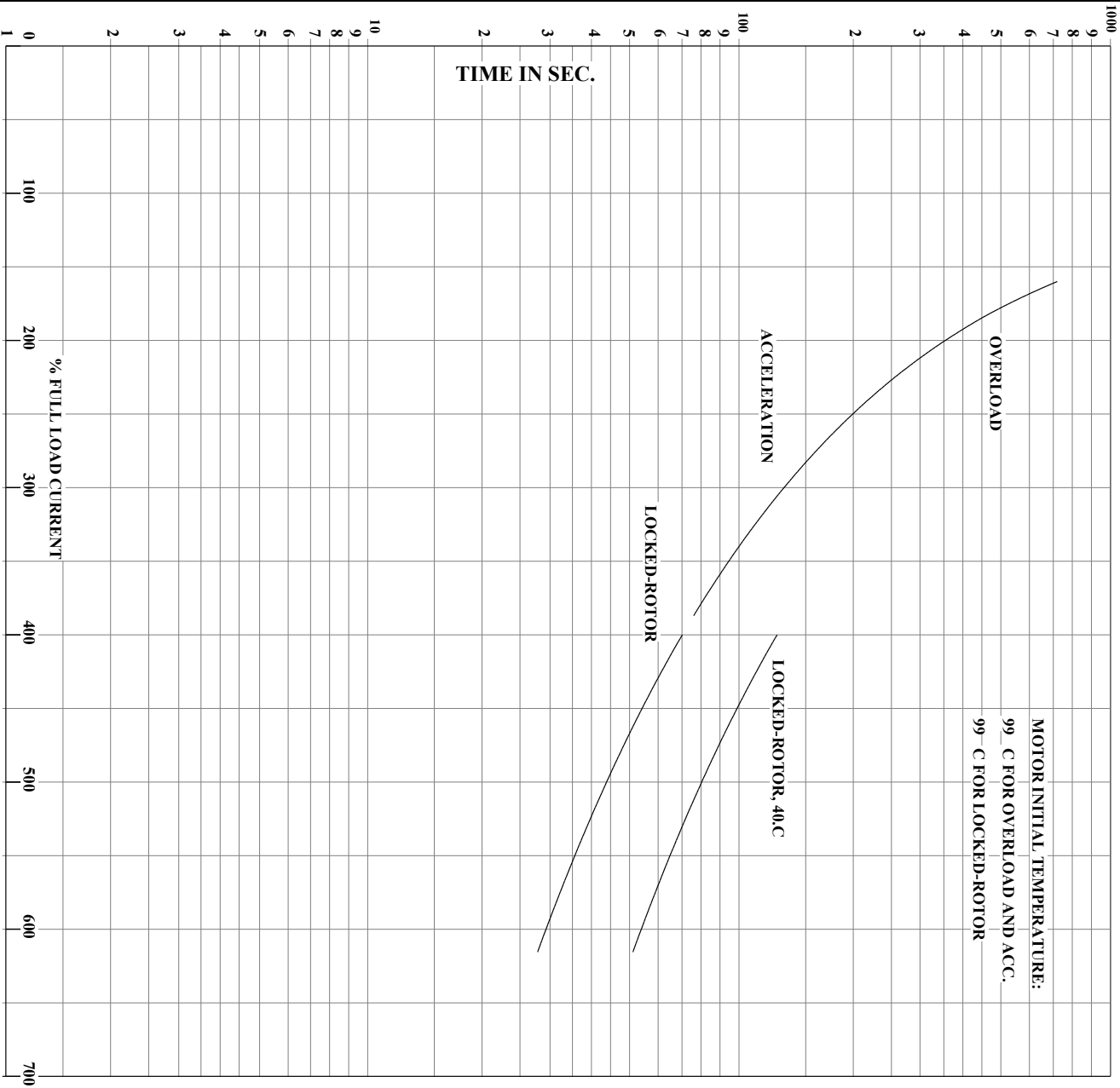
A36WG0466-R003

ISSUE DATE 12/14/10

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REL.S.O.	RPM 1185	S.F. 1.15	ROTOR 418141-74EE
FRAME 365T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 50	AMPS 123/61.7	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0325/.130
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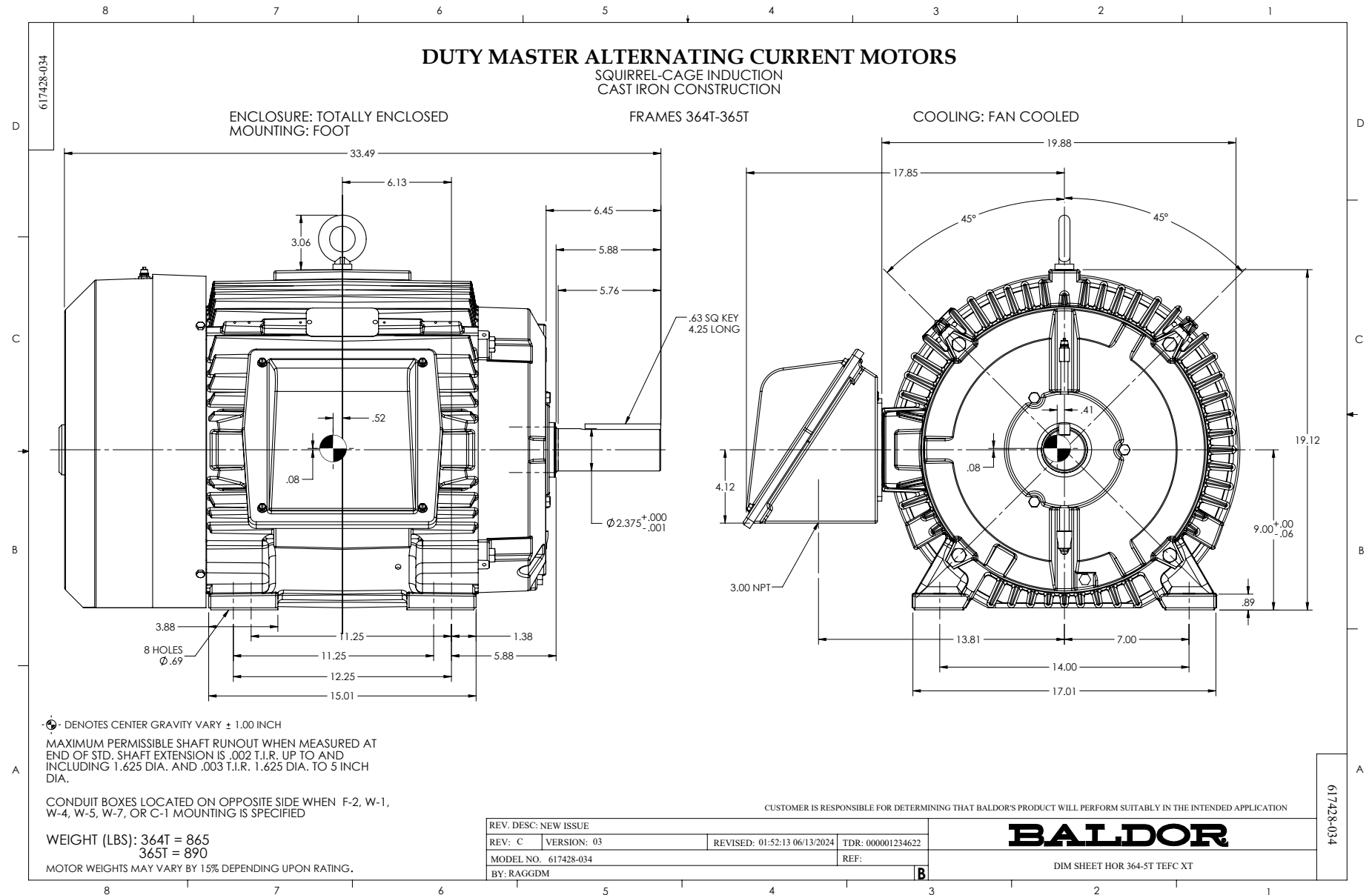
Thermal Limit Curve
XE MOTOR-NEMA NOM. EFF. 94.1 PCT.

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: J.J. HARRISON APPROVED BY: W.L. SMITH DATE: 12/07/05	AC MOTOR PERFORMANCE DATA	A36WG0466-R003 ISSUE DATE 12/14/10
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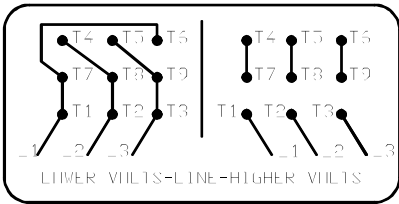
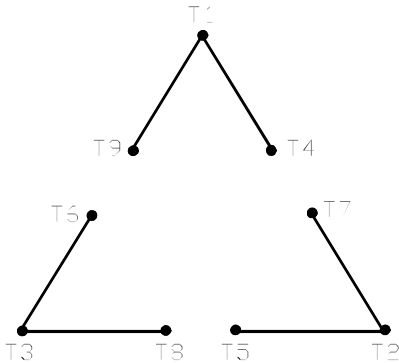
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416820-002

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
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BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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