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# Customer information packet

## EWDM4308T

40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	364T
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	40.000 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	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	99.600 A @ 230.0 V 49.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	49.8 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G

## Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1194
Layout	617428-593
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	08-20-2019

<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Motor Lead Quantity/Wire Size</b>	3 @ 4 AWG
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	A36062M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	33.48 IN
<b>Power Factor</b>	80
<b>Product Family</b>	Washdown Features
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	2.374 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1190 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None

**Nameplate**

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NP2496L	
MOBIL POLYREX EM	

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**NP2428L**

<b>SPEC NO.</b>	A36-7820-1194	<b>CAT.NO.</b>	EWDM4308T	<b>FRAME</b>	364T
<b>HP</b>	40	<b>VOLTS</b>	230/460	<b>PHASE</b>	3
				<b>DESIGN</b>	B
				<b>TYPE</b>	P
<b>RPM</b>	1190	<b>AMPS</b>	99.6/49.8	<b>HZ</b>	60
				<b>AMB</b>	40
				<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	65BC03JGG30A	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F
<b>OPP D.E. BEARING</b>	65BC03JGG30A	<b>ENCL</b>	TEFC	<b>CODE</b>	G
<b>SER.NO.</b>		<b>POWER FACTOR</b>	80	<b>NEMA-NOM-EFFICIENCY</b>	94.1
				<b>MAX CORR KVAR</b>	12
				<b>GUARANTEED EFFICIENCY</b>	93
	IP55			<b>NEMA NOM/CSA QUOTED EFF</b>	
	10:1CT AND 10:1VT ON VPWM INVE			<b>RTER, 1.00SF</b>	
				<b>MOTOR WEIGHT</b>	

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364TC	40	P	3/60	1190	230/460
AMPS	DUTY	AMB <sup>o</sup> C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
99.6/49.8	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 <sup>o</sup> C (BETWEEN LINES)		
491378	418141088JTE	---	---	.0373/.149		

**PERFORMANCE**

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	18.5	1200	5.70	0
1/4	10.0	22.4	1197	47.0	89.2
2/4	20.0	29.6	1194	67.8	93.2
3/4	30.0	39.1	1191	76.3	94.1
4/4	40.0	49.8	1188	79.9	94.1
5/4	50.0	61.2	1184	81.6	93.7

**SPEED TORQUE**

	RPM	% FULL LOAD TORQUE	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	165	291	300
PULL UP	480	142	251	274
BREAKDOWN	1134	251	444	172
FULL LOAD	1188	100	177	49.8

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

REMARKS: TYPICAL DATA  
 XE MOTOR-NEMA NOM. EFF. 94.1 %  
 GUARANTEED MIN. EFF. 93.0 %



DR. BY T.G. KEIATI  
 CK. BY D.H. MAY  
 APP. BY E.J. CHRISTIAN  
 DATE 10/12/06

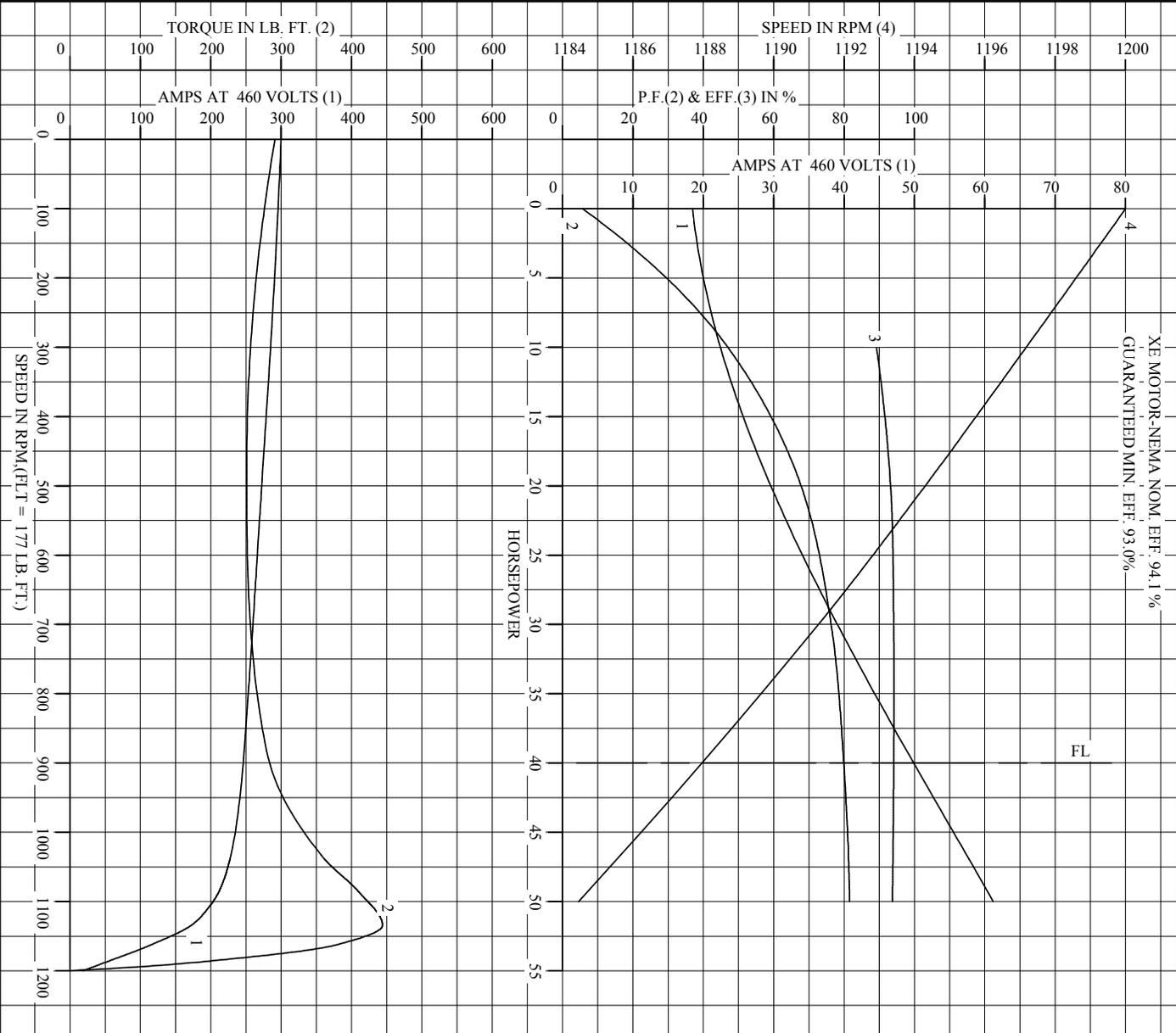
**A-C MOTOR PERFORMANCE DATA**  
**A36WG1194-R013**  
 ISSUE DATE 01/13/21

C/R 312091

Printed on 1/13/21 9:25 @ bengap01.bal

REL. S. O.		RPM	1190	S. F.	1.15	ROTOR	418141088JE
FRAME	364TC	VOLTS	230/460	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP	40	AMPS	99.6/49.8	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES. @ 25 °C	.0373/.149
PHASR./HERTZ	3/60	AMB °C/INSUL	40/F	E/S	491378	OHMS (BETWEEN LINES)	

XE MOTOR-NEMA NOM. EFF. 94.1%  
 GUARANTEED MIN. EFF. 93.0%



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



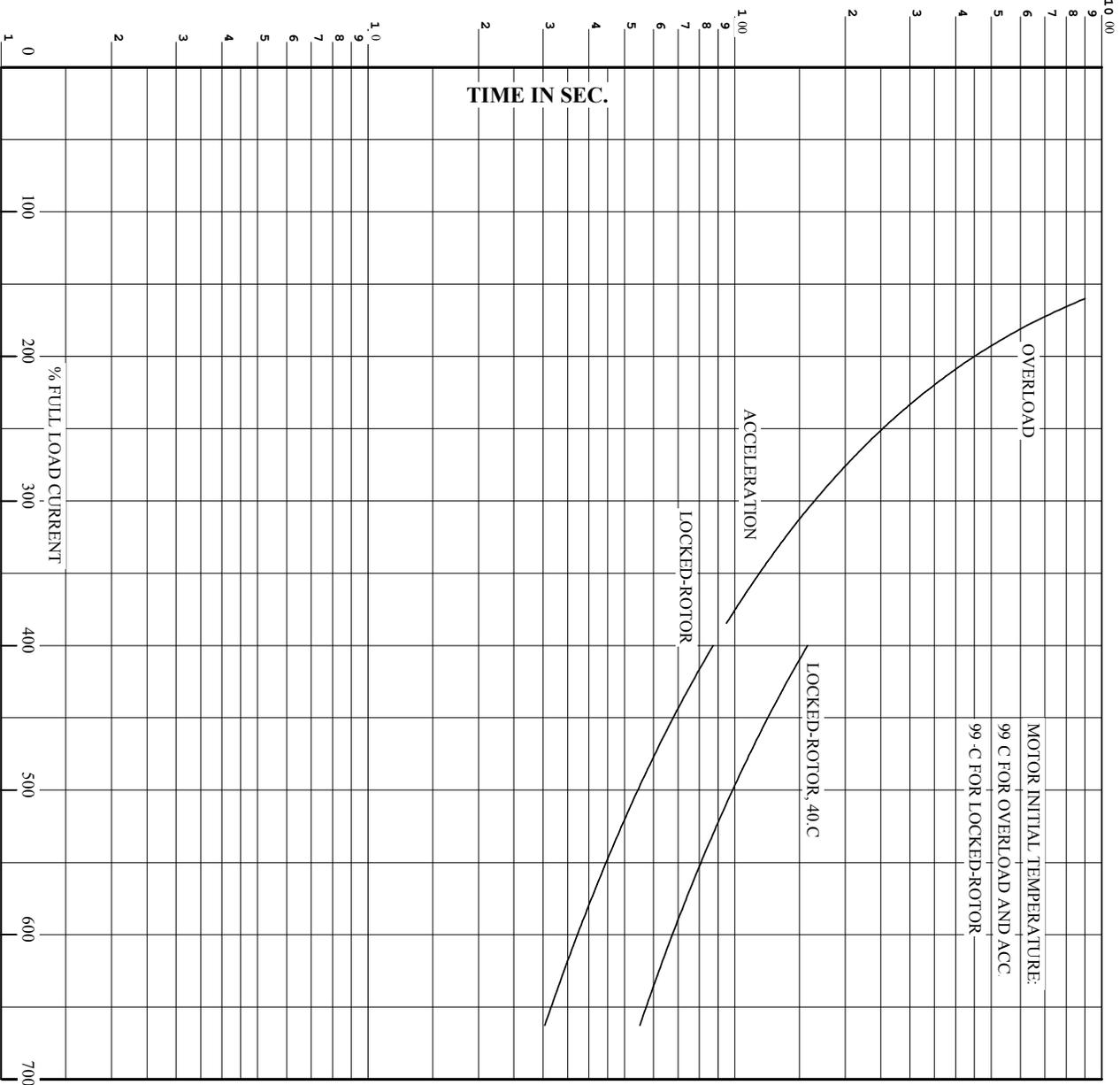
DR. BY T.G. KEHATI  
 CK. BY D.H. MAY  
 App. BY E. CHRISTIAN  
 DATE 10/12/06

**A-C MOTOR PERFORMANCE CURVES**  
 A36WG1194-R013  
 ISSUE DATE 01/13/21

C/R 312091

Printed on 1/13/21 9:25 @ bangap01.baldor.com

REL. S.O. \_\_\_\_\_ RPM **1190** S.F. **1.15** ROTOR **41814108JE**  
 FRAME **364TC** VOLTS **230/460** NEMA DESIGN **B** TEST S.O. **TYPICAL DATA**  
 HP **40** AMPS **99.6/49.8** CODE LETTER **G** TEST DATE **---**  
 TYPE **P** DUTY **CONT** ENCLOSURE **TEFC** STATOR RES @ 25 °C **.0373/.149**  
 PHASE/HERTZ **3/60** AMB °C/INSUL **40/F** E/S **491378** OHMS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE  
 XE MOTOR-NEMA NOM. EFF. 94.1 %  
 GUARANTEED MIN. EFF. 93.0%

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



DR. BY T.G. KELATI  
 CK. BY D.H. MAY  
 App. BY E.J. CHRISTIAN  
 DATE 10/12/06

**A-C MOTOR PERFORMANCE CURVES**  
**A36WG1194-R013**  
 ISSUE DATE 01/13/21

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Printed on 1/13/21 9:25 @ bengap01.bal

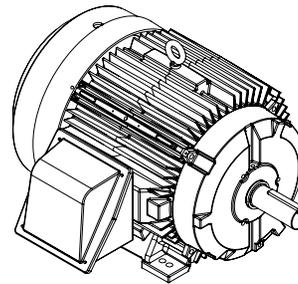
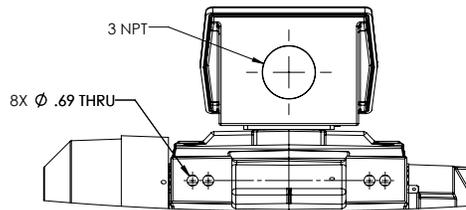
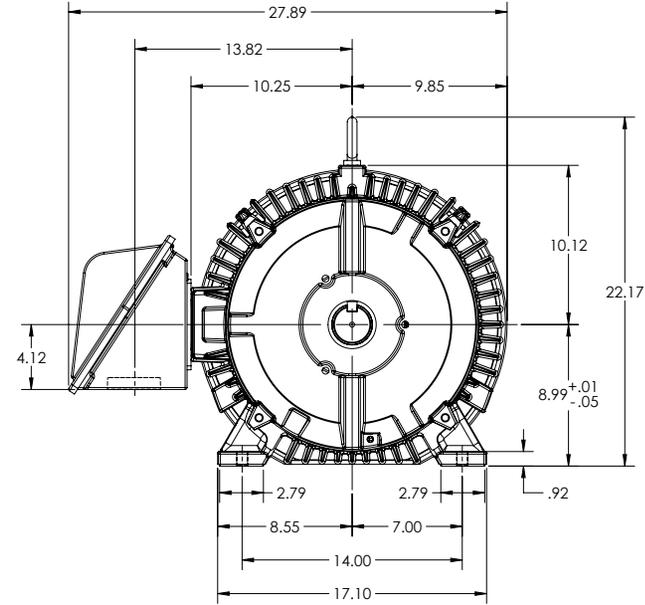
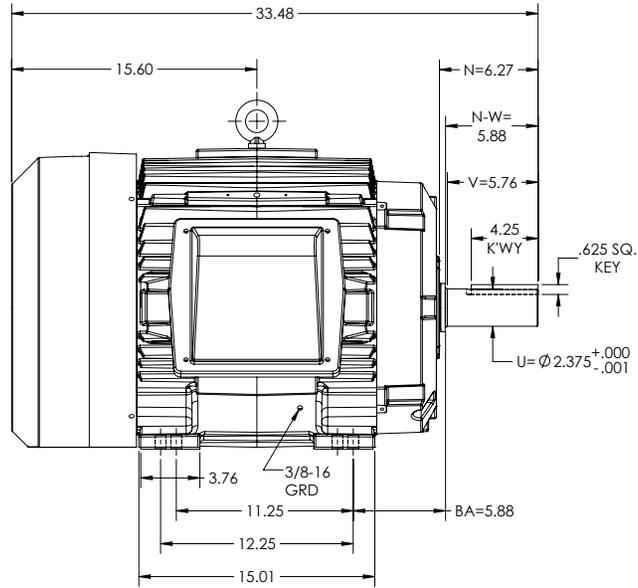
**DUTY MASTER ALTERNATING CURRENT MOTORS**  
SQUIRREL-CAGE INDUCTION

617428-593

ENCLOSURE: TOTALLY ENCLOSED  
MOUNTING: FOOT, F-1 SIDE

FRAME E365T  
INCLUDES E364T FRAME MOUNTING HOLES  
CAST IRON CONDUIT BOX

COOLING: FAN COOLED  
ENCLOSURE ENHANCEMENT: SEVERE DUTY



DIMENSIONS ARE IN INCHES

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

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.

REV. DESC: REMOVE SLINGER NOTE	REVISED: 08-44-20 03/26/2020	TDR: 000001135936
REV: A	VERSION: 01	
MODEL NO. 617428-593		
BY: RAGSS1		

**BALDOR**

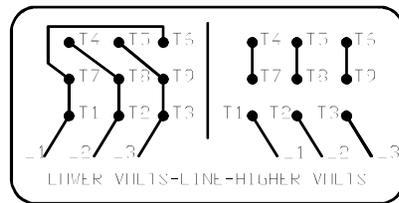
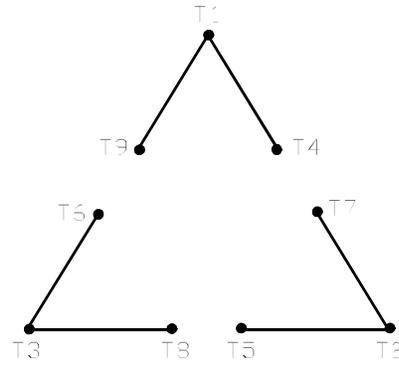
E3654T TEFC F1 FT SEVERE-

617428-593

617428-593

416820-002

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



(N.P. 1575-B)

416820-002

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

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