



Customer information packet

SPM4310TS

60HP, 3555RPM, 3PH, 60HZ, 364TS, A36056M, TEFC

Class - CLI GP A,B,C,D; CLII GP F,G

Division - Division II

Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
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 CURUSEEV NEMA PREMIUM NEMA_PREMIUM
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 Duty

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0224
Layout	617438-415
Eff. date	11-20-2025
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	09-20-2023

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	91
Product Family	General Industrial
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	Shaft Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

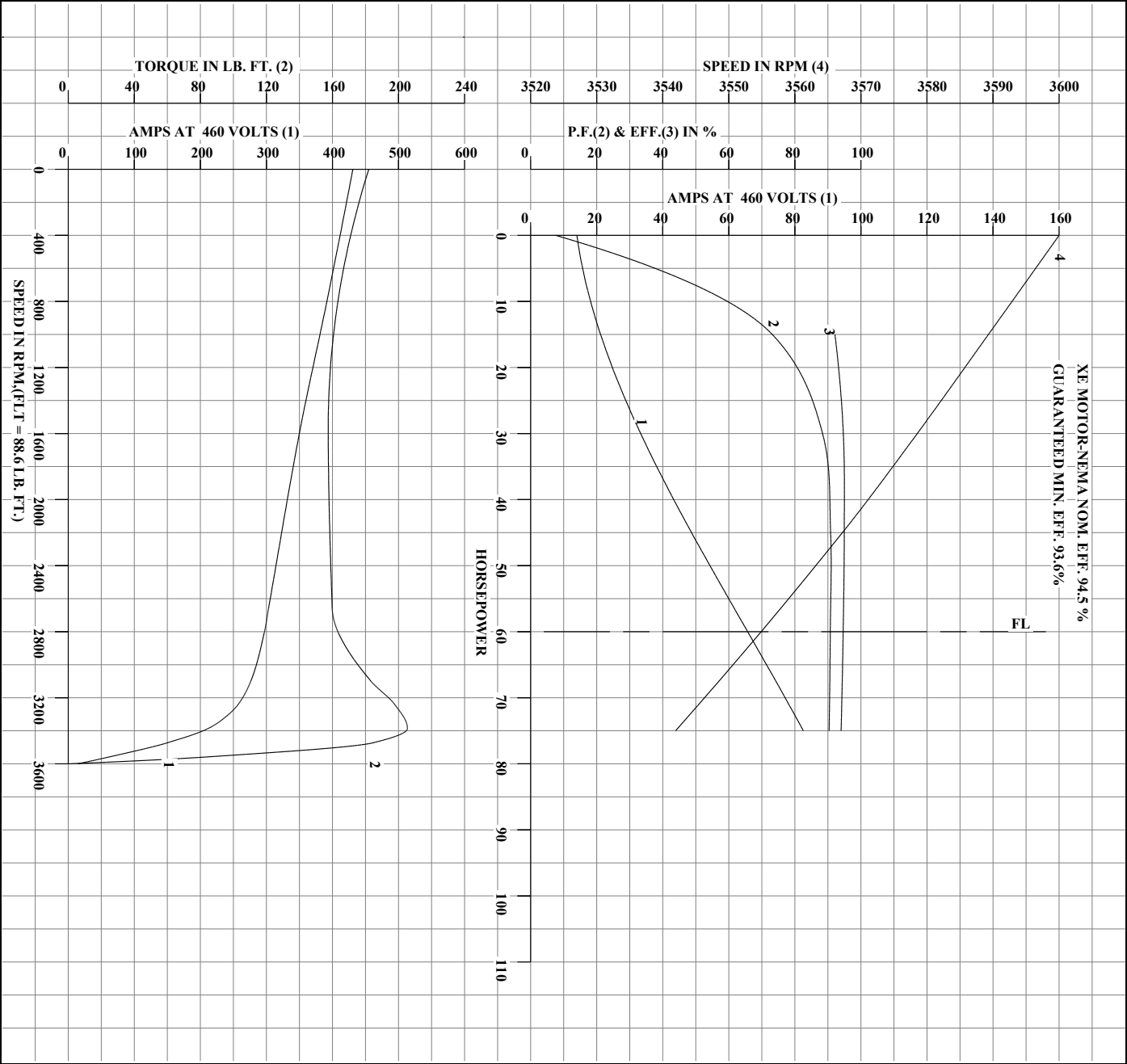
Nameplate

NP2496L	
MOBILE POLYREX EM	

NP4562L

CAT NO	SPM4310TS	SPEC NO.	A36-0003-0224	I.P.	55				
HP	60	AMPS	131/65.4	VOLTS	230/460	DESIGN	B		
FRAME SIZE	364TS	RPM	3555	MAX RPM	4200	HZ	60	AMB	40 C
D.E. BRG.	65BC03J30X	PH.3	3	DUTY	CONT	INSUL.CLASS	F		
O.D.E. BRG.	65BC03J30X	TYPE P	P	ENCL	TEFC	SF	1.15	CODE	G
POWER FACTOR	91	MAX CORR KVAR	5	NEMA NOM EFFICIENCY	94.5	MOTOR WEIGHT		LBS	
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T3	CL.1,ZONE 2,GRP:	IIA,IIB,IIC	T=	200	C	INVERTER T.CODE T3
CL.II,DIV 2,GRP:	F,G	T.CODE	T3C	CL II ZONE 22 GRPS IIIB	T=	160	C	INVERTER T.CODE	T3
ID LOGO	INV TYPE:	VPWM	CT 15	TO 60	VT 3	TO 60	CHP 60	TO 70	
ID LOGO	1.0 SF VPWM	WK2	6.7	LBFT2	SL HZ	0.75	MAG CUR	28.2/14.1	
SER.NO.				MEETS INTENT OF IEEE-45	FOR WEATHER PROTECTION				

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



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

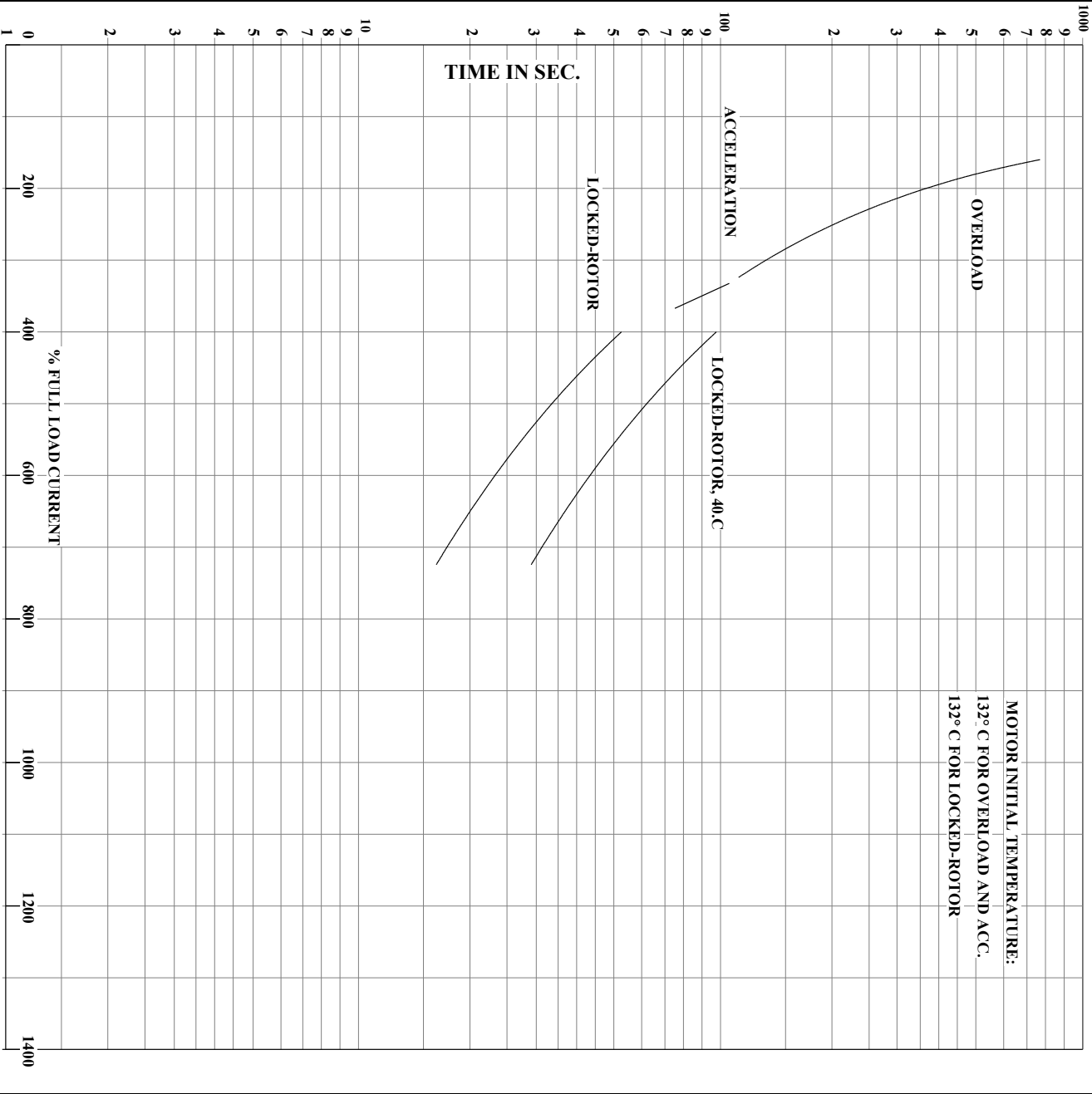
A36WG0224-R004

ISSUE DATE 01/11/22

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



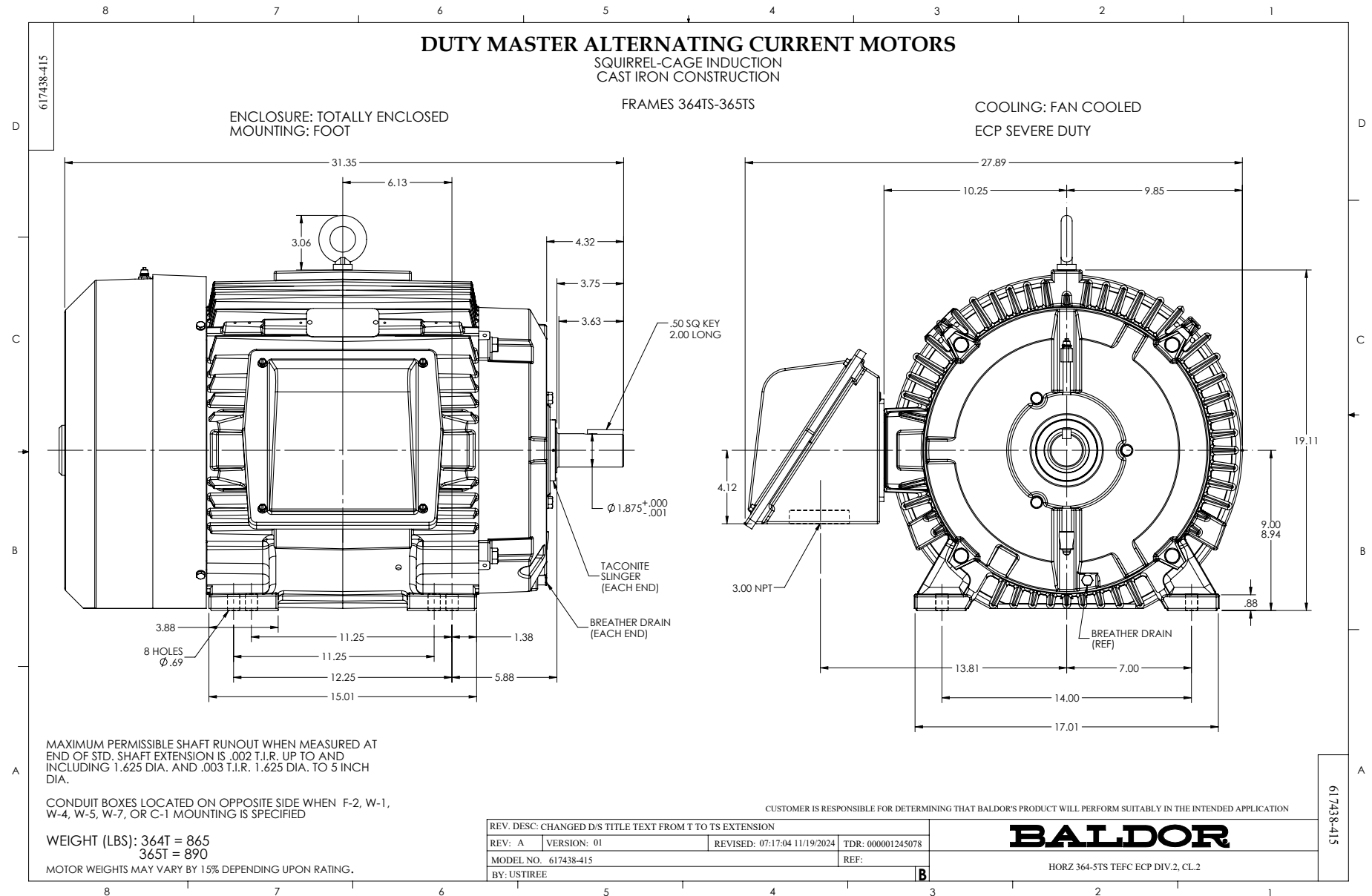
THE THERMAL LIMIT CURVE
FOR THIS MOTOR-NEMA NOM. EFF. 94.5 %

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



(N.P. 1575-B)

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BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
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