

BALDOR® • RELIANCE

Product Information Packet

CECP83581T-4

1HP,1765RPM,3PH,60HZ,143TC,0524M,TEFC,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0524M	Elec. Spec:	05WGW751	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	05E943	Layout:	05LYE943
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	07-26-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-12-2014
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3235E									
CAT.NO.	CECP83581T-4								
SPEC.	05E943W751								
HP	1 TE								
VOLTS	460								
AMP	1.5								
RPM	1765								
FRAME	143TC	HZ		60	PH		3		
SER.F.	1.15	CODE		N	DES		B	CL	F
RATING	40C AMB-CONT								
SN									
DE	6205	ODE		6205					
NEMA-NOM-EFF	87.5	PF		70					
G.MIN.EFF	85.5	CC		010A					
T. CODE	T4	T=		135					

Nameplate NP3186E					
SPEC.	05E943W751				
D.E. BRG.	25BC02X30X				
O.D.E. BRG.	25BC02X30X				
GREASE	POLYREX EM				
WEIGHT	58	# OF ROTOR BARS	28	# OF STATOR SLOTS	36
RPM MAX	2700	MAX. KVAR	.46		
BLANK					
INV.TYPE	PWM				
T=	135				
C HP FR	60	C HP TO	90		
CT HZ FROM	1.2	CT HZ TO	60		
VT HZ FROM	0-	VT HZ TO	60		
HTR-VOLTS	N/A	HTR-AMPS	N/A		
HTR-WATTS		MAX. SPACE HEATER TEMP.	N/A		

Parts List		
Part Number	Description	Quantity
SA161184	SA 05E943W751	1.000 EA
RA149749	RA 05E943W751	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1001A01G	CONDUIT BOX, MACH GRAY	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
05EP1100A02G	FREP TEFC 203,GRSR,RLF,DRAIN FITTING,INP	1.000 EA
HW4601A22	INPRO SEAL, 205 BRG, VBX	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4010A01	DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP1329A32G	EP ENCL 205 BRG,GRSR,RLF,NPT DRAIN,INPRO	1.000 EA
HW4601A22	INPRO SEAL, 205 BRG, VBX	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA4010A01	DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
35FH1000A19G	35FH1000A19 W/GRAY FLUIDIZ	1.000 EA
10XN2520A16	1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED	3.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 EA
WD4100A03	DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC	1.000 EA
06CB1503A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
06GS1009	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5004A59	ADHESIVE LOCTITE #401 SURFACE INSENSITIV	0.010 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ1000A73	INPRO P-80 ASSEMBLY LUB./ 1 QT. CONTAIN	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LT0019A00	MOTOR NO-LOAD PERFORMANCE DATA SHEET	1.000 EA
WD1000D21	TRM,T&B #B71M,RING,18-14,.25,NON-INSL	3.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.022 GA

Parts List (continued)		
Part Number	Description	Quantity
LB1119N	WARNING LABEL	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3235E	SS IEEE841 DIV-2 UL CSA-C US EEV PREM	1.000 EA
NP3186E	SS IEEE841 INV AUX DATA INFORMATION	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 47118 - Typical performance - not guaranteed values

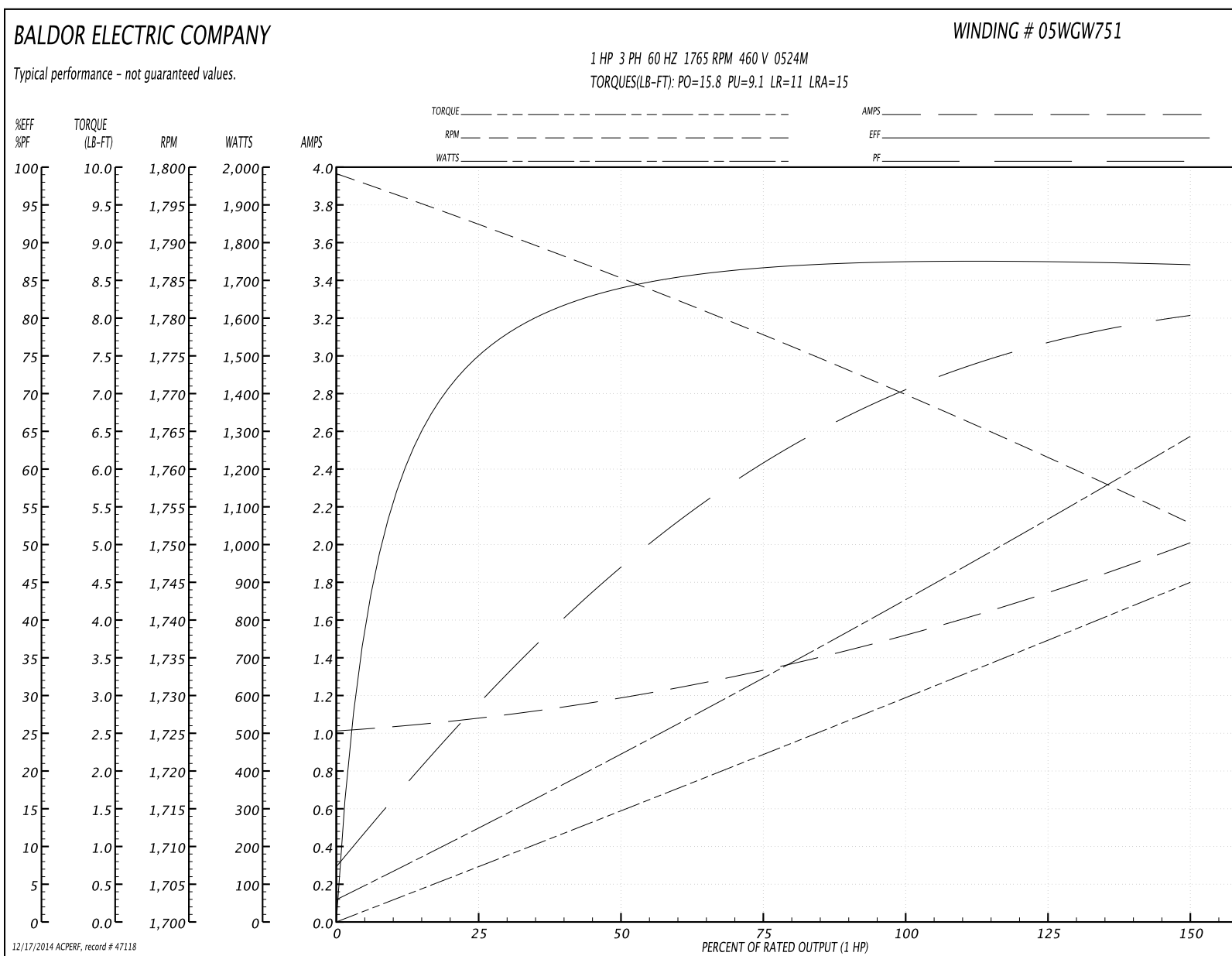
Winding: 05WGW751-R098	Type: 0524M	Enclosure: TENV
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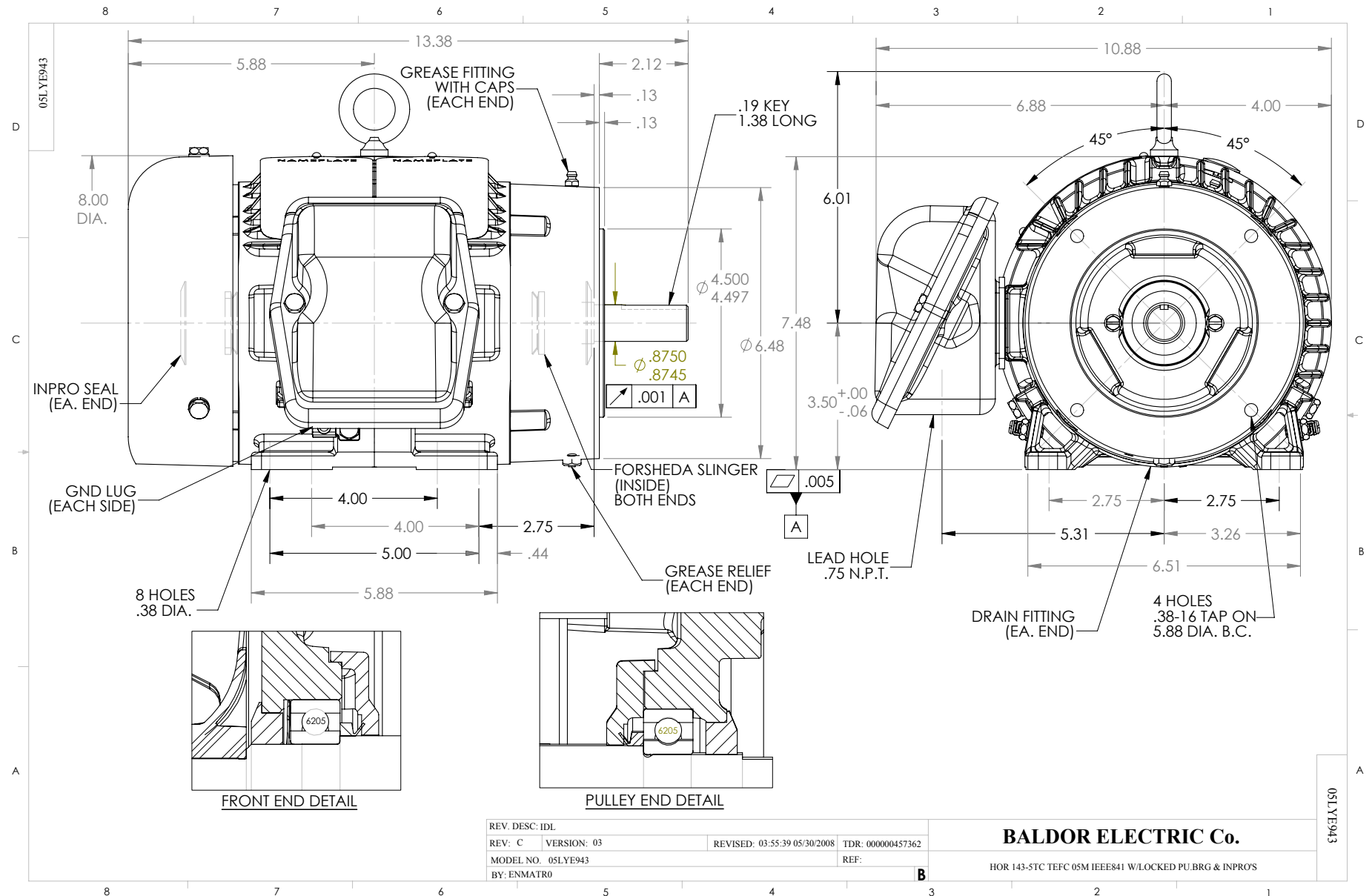
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	1.5			Breakdown Torque	15.8 LB-FT
R.P.M.	1765			Pull-up Torque	9.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	15 A
Service Factor (S.F.)	1.15			No-load Current	1.02 A
NEMA Nom. Eff.	87.5	Power Factor	70	Line-line Res. @ 25°C	11.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	47°C
				Rotor inertia	0.142 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

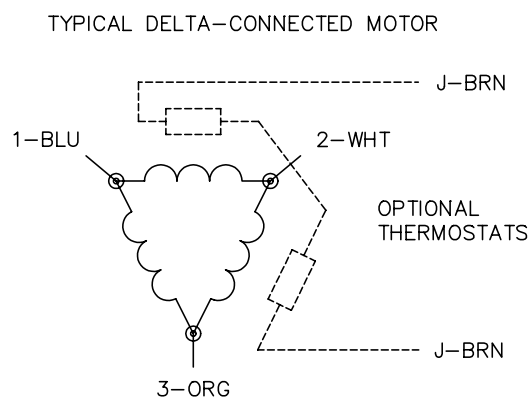
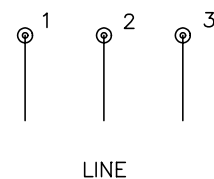
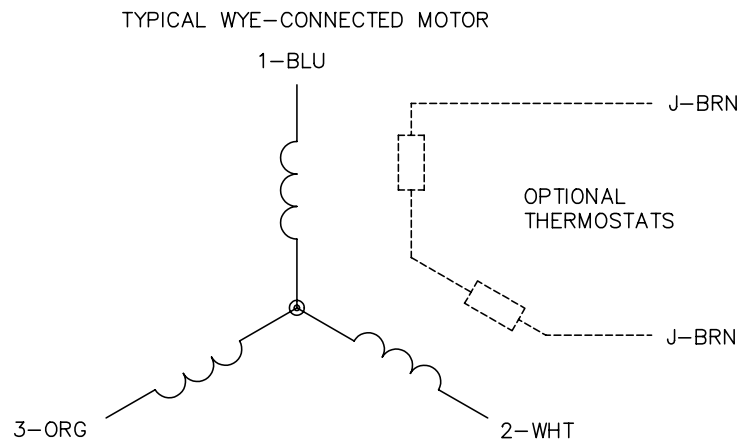
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	48	60	70	76	81	74
Efficiency	74.2	83.6	86.7	87.9	87.4	87.1	87.6
Speed	1793	1785	1778	1770	1761	1753	1765
Line amperes	1.07	1.18	1.33	1.53	1.76	2	1.67

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

900000

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006