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BALDOR • RELIANCE

Product Information Packet

ECP83667T-5

1.5HP,1170RPM,3PH,60HZ,182T,0630M,TEFC,F

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Part Detail							
Revision:	R	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	0630M	**Elec. Spec:**	06WGX237	**CD Diagram:**	CD0006
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	06H759	**Layout:**	06LYH759
Frame:	182T	**Mounting:**	F1	**Poles:**	06	**Created Date:**	12-06-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-19-2016
Leads:	3#16					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP3235E

CAT.NO.	ECP83667T-5						
SPEC.	06H759X237G1						
HP	1.5 TE			**IP**	56		
VOLTS	575						
AMP	2						
RPM	1170						
FRAME	182T	**HZ**	60			**PH**	3
SER.F.	1.15	**CODE**	K	**DES**	B	**CL**	F
RATING	40C AMB-CONT						
SN							
DE	6206	**ODE**	6206				
NEMA-NOM-EFF	87.5	**PF**	65				
G.MIN.EFF	85.5	**CC**	010A				
T. CODE	T3C	**T=**	160				

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Nameplate NP3186E

SPEC.	06H759X237G1				
D.E. BRG.	30BC02X30X				
O.D.E. BRG.	30BC02X30X				
GREASE	POLYREX EM				
WEIGHT	105	# OF ROTOR BARS	27	# OF STATOR SLOTS	36
RPM MAX	1800	MAX. KVAR	.88		
BLANK					
INV.TYPE	PWM				
T=	160				
C HP FR	60	C HP TO	90		
CT HZ FROM	1.5	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		

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Parts List

Part Number	Description	Quantity
SA213048	SA 06H759X237G1	1.000 EA
RA200274	RA 06H759X237G1	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	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	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 EA
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	2.000 EA
06PE1132A02G	FREP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4601B24	INPRO SEAL, 206 BRG, MINI66	1.000 EA
HW4500A32	FIT./EXT 1698-B (ALEMITE)GREASE FITTING	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	4.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4010A01	DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	4.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
06EP1132A01G	PUEP ENCL 206,BRG RET,GRSR,RLF,DRAIN FIT	1.000 EA
HW4601B24	INPRO SEAL, 206 BRG, MINI66	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
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
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
06FH1004A01G	FAN HOUSING MACH, W/GRAY EPOXY	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	3.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	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
MJ5004A59	ADHESIVE LOCTITE #401 SURFACE INSENSITIV	0.010 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
MJ1000A73	INPRO P-80 ASSEMBLY LUB./ 1 QT. CONTAINE	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025N19	WILKOFAST, 778.50, RELIANCE BLUE-GREEN	0.028 GA
LB1119N	WARNING LABEL	1.000 EA

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LB1449	DIV-2/NEC WARNING LABEL	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
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 47370 - Typical performance - not guaranteed values

Winding: 06WGX237-R004	**Type:** 0630M	**Enclosure:** TEFC

Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1.5			Full Load Torque	6.77 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	2			Breakdown Torque	23.8 LB-FT
R.P.M.	1170			Pull-up Torque	12.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	15.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	12.9 A
Service Factor (S.F.)	1.15			No-load Current	1.29 A
NEMA Nom. Eff.	87.5	Power Factor	65	Line-line Res. @ 25ºC	11.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps				Temp. Rise @ S.F. Load	31°C
				Locked-rotor Power Factor	31
				Rotor inertia	0.282 LB-FT2

Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	45	56	65	70	73	68
Efficiency	76.2	84.8	86.9	87.6	87.1	85.8	87.3
Speed	1194	1187	1179	1172	1163	1153	1167
Line amperes	1.35	1.51	1.74	2	2.33	2.7	2.2

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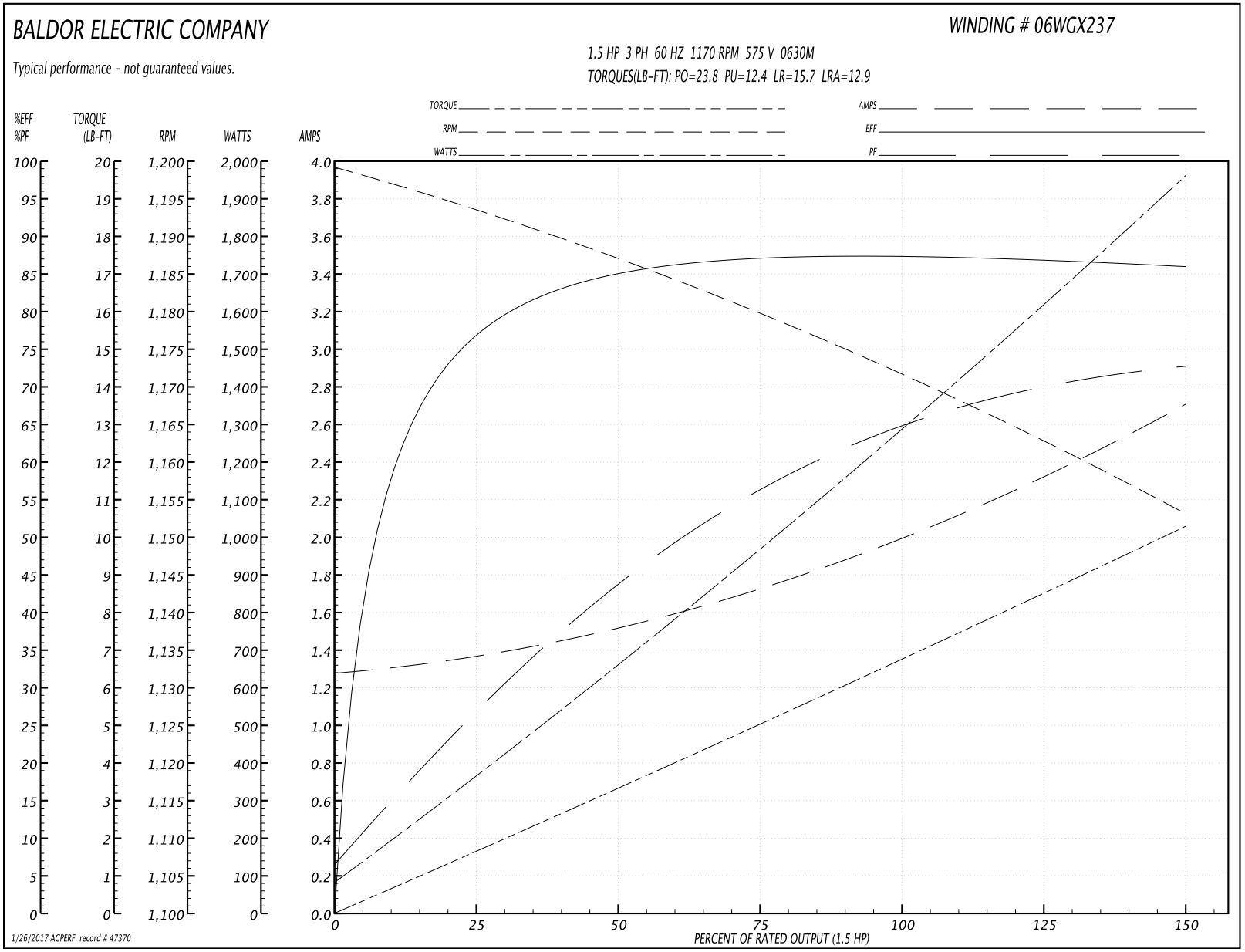
Performance Graph at 575V, 60Hz, 1.5HP Typical performance - Not guaranteed values



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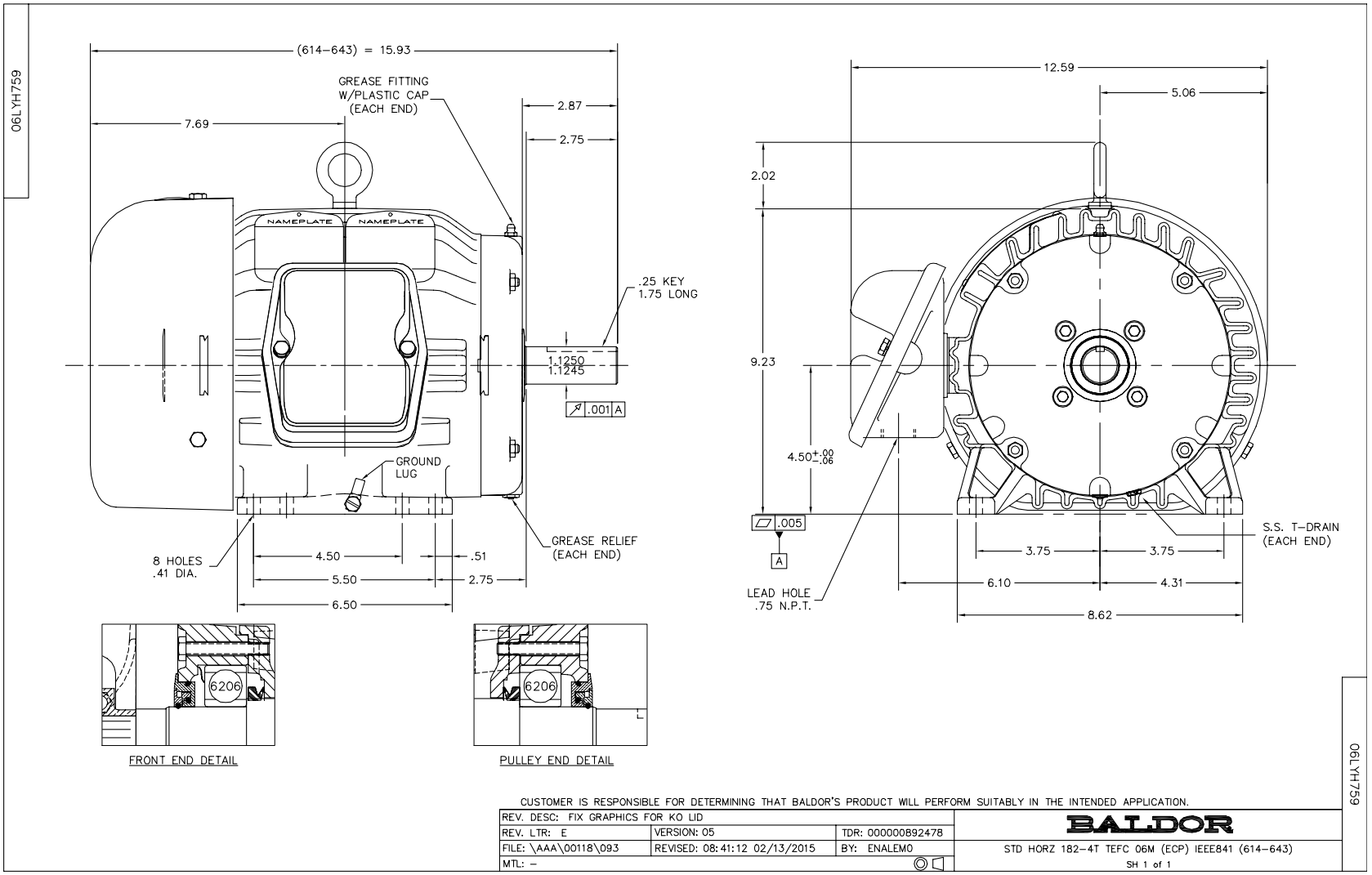

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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REV. LTR: E	VERSION: 05	TDR: 000000892478
FILE: \AAA\00118\093	REVISED: 08:41:12 02/13/2015	BY: ENALEM0
MTL: –		

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STD HORZ 182-4T TEFC 06M (ECP) IEEE841 (614-643)

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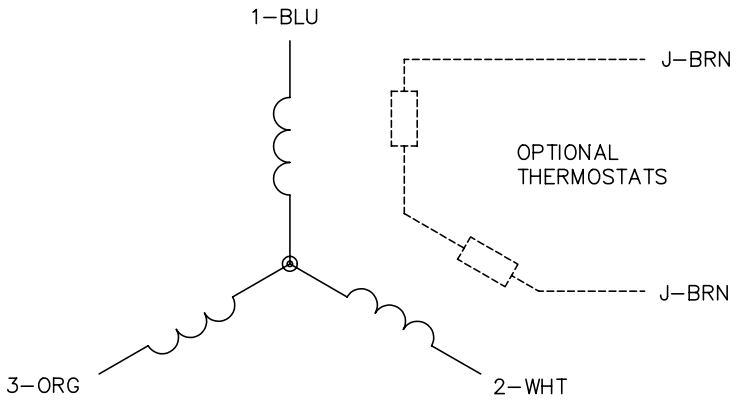
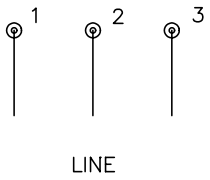
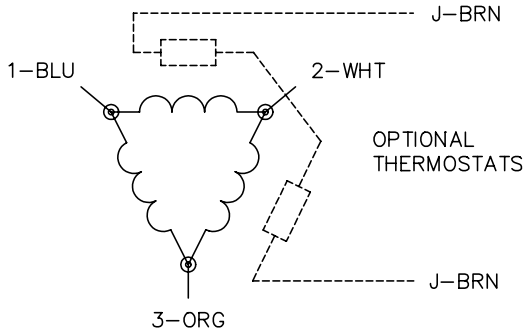
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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			BALDOR ELECTRIC Co.
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9000CD		FILE: AAA00005141	MDL: –
		MTL: –	3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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