

CRN# _____

NATL.BD# _____

SERIAL# _____

Reimers®
 Electra Steam, Inc.

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NAMEPLATE RATINGS:PART NUMBER RXHC80K3FMODEL RHC-80POWER SUPPLY WIRE SIZE 1POWER VOLTS 480CONTROL VOLT 120PHASE 3HZ 60MAX. W.P. 100KILOWATTS 80
**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 7 / 25 / 20 14UL FILE # E39545
 WIRING DIAGRAM # 04.15.20.50.60.72.75. X. REV 5
90.136.175.190
DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2352 SAT ☒ UNSAT _____PERFORMED BY B5B DATE 7/25/14**HYDRO TEST OF
COMPLETE BOILER**P.S.I.G. 100PERFORMED BY OCDATE 7/25/14**HEATING ELEMENT TEST**VOLTS 480AMPS 92TOTAL WATT 80K**CHECKOUT**

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER N/A
4. CONDENSATE TANK ☒
5. CONTROLS ☒
6. FEED WATER VALVES ☒
7. INSTRUCTION MANUAL ☒
8. LEAK INSPECTION ☒
9. PAINT ☒
10. PANEL ☒
11. PIPES ☒
12. SHEET METAL ☒
13. STEAM VALVE ☒
14. STEAM GAUGE ☒
15. STRAINER ☒
16. CHECK TORQUE ON TERMINAL STRIPS,
CONTACTORS AND FUSE BLOCKS ☒
17. WARNING LABELS ☒
18. WATER GAUGE FITTINGS ☒
19. WIRE TERMINALS TIGHT ☒
20. WIRING DIA. ☒
21. ELEMENT QTY. 4
22. ELEMENT VOLT/KW 480/20
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

SAFETY LIMIT CONTROLS (REF: ASME CSD-1, CG-500)**SAFETY RELIEF VALVE**OPERATIONAL TEST PERFORMED ☒DATE 7/25/14MANUFACTURER CONBRACOModel # 29-202A-100STEAM BOILER ☒HOT WATER BOILER ☐MAX. W. P. 100 PSIG (VALVE ASME PLATE)

MAX. W. P. _____ PSIG (VALVE ASME PLATE)

CAPACITY 423 PPH (VALVE ASME PLATE)

CAPACITY _____ BTU/HR (VALVE ASME PLATE)

SIZE 1/2 IN

SIZE _____ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 210 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) _____ BTU/HR

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST SETTING**LOW WATER CUTOFF**

PERFORMED BY

PSI/°F

DATE

MANUFACTURER

MODEL #

PART#

AUTO RESET

N/A

X

MANUAL RESET

B. Butts

X

7/25/14

REIMERS

20838

20838

PRESSURE CONTROLS

HIGH LIMIT

B. Butts907/25/14

TECMARK

3155-ED

04296

OPERATING #1

B. Butts807/25/14

TECMARK

3156-EC

04163

OPERATING #2

B. Butts757/25/14

TECMARK

3156-EC

04163

TEMPERATURE CONTROLS

HIGH LIMIT

N/A

OPERATING CONTROL

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 7/25/14 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0028751

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Work Order Traveler

SCHEDULED START: 07/15/14

DUE DATE: 07/16/14

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0028751

ITEM NUMBER: **RXHC80K3F**
DESCRIPTION: **BOILER RHC 80KW 480V 3PH 100#S**
REVISION: 001
OPTION CODE:

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02616	BLOCK POWER DISTRIBUTION 3-20	1	04692	GROUND STRAP #4 BRAIDED
1	20350-7A	BRACE ELECTRICAL BOX SS (NEW)	23	02030	INSULATION 2" X 48" X 100' FIB
2	04167	BUSHING .5" X .125" HEX BLACK	2	02951	KNOCKOUT SEAL .5" COND 7/8" HO
1	01128	BUSHING .5X.25 HEX BLACK FORGE	1	20861	LABEL MAX. TORQUE 10. LB IN 0
1	01121	BUSHING 1" X .5" HEX BLACK MAL	1	04301	LABEL NAMEPLATE UL/CSA 3.48 X
1	01118	BUSHING 1.25" X 1" HEX BLACK M	15	01345	LOCKWASHER .3125" SPRING/SPLIT
2	04528	CABLE TIE MOUNT	2	04522	NIPPLE .5" X 1.5" BRASS
1	03089	CARTON 42W 54L 36.75 500# TEST	3	02788	NIPPLE .5" X 2" BLACK EH SA-10
1	02207	CEILING PLATE 1.25" PIPE SIZE	1	02789	NIPPLE .5" X 2.5" BLACK EH SA-
1	20740	COND. TANK ASSY. (RHC 36-120)	1	02791	NIPPLE .5" X 3.5" BLACK EH
4	02244	CONDUIT ALFLEX type SWA 1.25"	1	02792	NIPPLE .5" X 4" BLACK EH
4	02240	CONDUIT ALFLEX type SWA .375"	2	02796	NIPPLE .5" X 6" BLACK EH
4	02246	CONDUIT CONNECTOR .375" 90 DEG	1	04526	NIPPLE .5" X 6" BRASS SB43 GRO
2	02252	CONDUIT CONNECTOR .375" STR	5	02786	NIPPLE .5" X CLOSE BLACK EH SA
4	02250	CONDUIT CONNECTOR 1.25" 90 DEG	1	02807	NIPPLE .75" X 9" BLACK EH SA-1
4	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	2	01180	NIPPLE .75" X CLOSE BLACK EH S
1	03445	CONTACTOR 35A 120V 2P UL/CSA	1	02802	NIPPLE .75X4 BLACK EH SCH80 SA
4	02530	CONTACTOR 50A 120V 3P UL/CSA	1	02810	NIPPLE 1" CLOSE BLACK EH SA-10
1	20838	CONTROLLER 04316-EBG-LED	1	01217	NIPPLE 1" X 4" BLACK EH SA-106
1	03021	COUPLING FULL .5" NPT 3000# SA	1	02817	NIPPLE 1.25 X CLOSE BLACK ENHIV
1	02988	CROSS .5" BLACK MALLEABLE IRON	1	02820	NIPPLE 1.25X4 BLACK EH
1	04525	CROSS .5" BRASS B62 C36	21	01221	NUT .3125-18 HEX MACH. SCREW Z
1	04229	DECAL SHEET	16	01168	NUT .625"-11 HEAVY HEX STEEL A
1	01162	ELBOW .25" BRASS FEMALE SB62 C	4	01147	PIPE PLUG .5" SQUARE HEAD FRGD
1	01094	ELBOW .5" X 90 DEG. BLACK MALL	1	04776	PIPE PLUG .75" NPT COUNTERSINK
4	01133	ELBOW .5X90 DEG. STREET BLACK	2	04163	PRESSURE CONTROL 60# OPERATING
2	01095	ELBOW .75" X 90 DEG. BLACK MAL	1	04296	PRESSURE CONTROL 90# HI LIMIT
1	01101	ELBOW 1" X .5" REDUCING BLACK M	1	20763	PRESSURE CONTROL MANIFOLD R-24
1	01097	ELBOW 1.25" X 90 DEG. BLACK MA	1	02329	PRESSURE GAUGE 2.5" 1600MT23
2	02997	ELBOW STREET .25" 90 DEG. SB62	1	20062A	PROBE COVER R36-120
1	20292-14A	ELECTRIC BOX SUPPORT 35 X1.5"	16	01342	SCREW .3125-18X.75 HEX PLATED
1	20084B	ELECTRICAL ENCLOSURE 26" X 30"	4	01246	SCREW 8-32X.375RDHD MCH PLT SL
1	20757	ELECTRICAL PNL ASSY R36-120 LE	1	R-80A	SHELL R70-80 (COMPLETE NEW)
4	02602	ELEMENT 480V 20KW 3P STRAP Y S	1	SKID2A	SKID BOILER NEW R:RHRHC 24-80
4	02022	FLANGE GASKET 2" RING	2	04529	STANDOFF HEX 1.5" X .375" FOR
1	02125	FUSE 250V 15A UL/CSA	4	04213	SWITCH ILLUMINATED RED W/WHITE
1	02655	FUSE 250V 5A UL/CSA	1	20084B-8	SWITCH PANEL FOR ELECTRICAL EN
12	02134	FUSE 600V 30A UL/CSA	2	04400	SYPHON TUBE .25" BRASS SB43 GR
4	02613	FUSE BLOCK 600V 30A 3P UL/CSA	0	04308	TAPE ALUMINUM FOIL DUCT 60YD R
1	02420	GAUGE GLASS 5.875" X .625" PYREX	5	01104	TEE .5" BLACK MALLEABLE IRON 1
1	MRJ-9	GAUGE GLASS SAFETY ROD R-MODEL	1	04523	TEE .5" BRASS SB62 C36
1	02522	GAUGE PROTECTOR 6" U-SHAPE	2	01103	TEE .75" BLACK MALLEABLE IRON



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REVISION: 001
OPTION CODE:

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PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	04564	TEE REDUCING BRASS .5" X .5" X			
12	02176	TERMINAL LUG #8 HOMAC UL/CSA			
0	04276	TERMINAL STRIP 300V 35A 10-22			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
2	01088	UNION .5" BLACK MALLEABLE IRON			
1	02490	VALVE BALL .5" 200# SWP			
1	03802	VALVE BALL .75" W/LATCH 200# S			
1	02515	VALVE BALL 1" 200 SWP SB584 C8			
1	02370	VALVE CHECK .5" 200# SWP SPRIN			
1	03254	VALVE GAUGE TEST .25" SB584 C			
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
1	02396	WATER GAUGE SET STANDARD SHANK			
10	04439	WIRE #18 TGGT 600V 250C UL/CSA			
1	02209SS	WRAPPER END 20" 20103REV.B 16G			
1	20843	WRAPPER END 20" W/2" HOLE			
1	20054A	WRAPPER R24-80 (NEW)			