

CRN# _____

NATL.BD# 105036SERIAL# 105036
Reimers
 Electra Steam, Inc.

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 Clear Brook, VA 22624
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NAMEPLATE RATINGS:

PART NUMBER HLR600K3HMODEL HLR-600POWER SUPPLY WIRE SIZE 250POWER VOLTS 480CONTROL VOLT 120PHASE 3HZ 60

MAX. W.P. _____

KILOWATTS 600
**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 4/22/2016UL FILE # E39545

WIRING DIAGRAM # _____ REV _____

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

 VOLTS 2352 SAT ☒ UNSAT _____
 PERFORMED BY BSB DATE 4/22/16

HYDRO TEST OF COMPLETE BOILER

P.S.I.G. _____

 PERFORMED BY _____
 DATE _____

HEATING ELEMENT TEST

VOLTS 480 AMPS 706TOTAL WATT 600K

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER ☒
4. CONDENSATE TANK N/A
5. CONTROLS ☒
6. FEED WATER VALVES N/A
7. INSTRUCTION MANUAL ☒
8. LEAK INSPECTION N/A
9. PAINT ☒
10. PANEL ☒
11. PIPES ☒
12. SHEET METAL ☒
13. STEAM VALVE N/A
14. STEAM GAUGE N/A
15. STRAINER N/A
16. CHECK TORQUE ON TERMINAL STRIPS, CONTACTORS AND FUSE BLOCKS ☒
17. WARNING LABELS ☒
18. WATER GAUGE FITTINGS N/A
19. WIRE TERMINALS TIGHT ☒
20. WIRING DIA. ☒
21. ELEMENT QTY. 20
22. ELEMENT VOLT/KW 480/30
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

SAFETY LIMIT CONTROLS (REF: ASME CSD-1, CG-500)

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒DATE 4/22/16MANUFACTURER CONBRACOModel # RVW60-150STEAM BOILER ☐HOT WATER BOILER ☒

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

MAX. W. P. 150 PSIG (VALVE ASME PLATE)

CAPACITY _____ PPH (VALVE ASME PLATE)

CAPACITY 504,000 BTU/HR (VALVE ASME PLATE)

SIZE _____ IN

SIZE 1 IN

REQUIRED CAPACITY (PPH = 3.5 x kW) _____ PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) 2047,200 BTU/HRMAX. TEMPERATURE 250 °F

OPERATIONAL TEST SETTING

LOW WATER CUTOFF

PERFORMED BY

PSI/°F

DATE

MANUFACTURER

MODEL #

PART#

AUTO RESET

X

MANUAL RESET

B. Butts

X

4/22/16

REIMERS

04316

04316

PRESSURE CONTROLS

HIGH LIMIT

OPERATING #1

OPERATING #2

TEMPERATURE CONTROLS

HIGH LIMIT

B. Butts

250

4/22/16

HONEYWELL

L4008E1040

02599

OPERATING CONTROL

B. Butts

196

4/22/16

HONEYWELL

L4008A1015

02378

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTS

Representing Installer Contractor (Name) _____

DATE 4/22/16 Signature Brad Butts

DATE _____ Signature _____



0033977

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Work Order Traveler

SCHEDULED START: 03/04/16

0033977

DUE DATE: 03/11/16

ITEM NUMBER: **HLR600K3H**QUANTITY: **2.00**DESCRIPTION: **BOILER HLR 600KW 480V 3PH 150#**

UNIT OF MEASUREMENT: EACH

REVISION: 000

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	02378	AQUASTAT L4008A1015 HW 100-240 <i>BSB 4/22/16</i>	6	02140	FUSE BLOCK 250V 30A 1P ¹ /UL/CSA
2	02599	AQUASTAT L4008E 1040 HW HI LIM <i>BSB 4/22/16</i>	20	02620	FUSE BLOCK 600V 100A 3P UL/CSA
4	02433	AQUASTAT WELL .5"W/CLIP HW	2	20071	GAUGE PLATE HLR 24-550
4	02615	BLOCK POWER DISTRIBUTION DOUBL	4	04146	GROMMET RUBBER 11/16" (PKG 50)
2	21018	BOILER CONTROL + HW775 PANEL	2	04692	GROUND STRAP #4 BRAIDED
2	01776	BOX 4 X 2.125 X 1.875 STEEL CI	2	21038	HLR WIRING HARNESS
2	02847	BOX COVER BLANK HANDY STEEL CI	4	04457	HOSE .25" X 24" HP W/BRASS FIT
3	01904	BRASS ROD .25" (WELDING ROD)	36	02030	INSULATION 2" X 48" X 100' FIB
4	01128	BUSHING .5X.25 HEX BLACK FORGE	2	02822	NIPPLE 1.25X10 BLACK EH SA106
4	01121	BUSHING 1" X .5" HEX BLACK MAL	2	20376-F	PANEL INTERNAL (LG) 40.75" X 4
2	01118	BUSHING 1.25" X 1" HEX BLACK M	2	20376-C	PANEL INTERNAL (SM) 40.75" X23
2	02981	BUSHING 2" X 1.25" HEX BLACK M	2	02569	PRESSURE GAUGE 2.5" PANEL MOUN
6	02262	CHASE NIPPLE .5" BRIDGEPORT	2	04603	RELAY 1 PDT 120 V
56	02244	CONDUIT ALFLEX type SWA 1.25"	2	HLR-900	SHELL HLR 900 DWG 20888 COMPLE
22	02240	CONDUIT ALFLEX type SWA .375"	4	04529	STANDOFF HEX 1.5" X .375" FOR
6	02241	CONDUIT ALFLEX type SWA .5" UL	2	05012	STEP CONTROL 4 STEP HW HLR
6	02246	CONDUIT CONNECTOR .375" 90 DEG	2	21015	STEP CONTROL BLANK HLR
2	02252	CONDUIT CONNECTOR .375"STR	4	05019	STEP CONTROL EXPANSION MODULE
4	02247	CONDUIT CONNECTOR .5" X 90 DEG	2	03190	SYPHON TUBE .25 STL STRAIGHT A
16	02250	CONDUIT CONNECTOR 1.25" 90 DEG	-2	20778	TERMINAL BLOCK 3 POLE 600V 35A
12	02258	CONDUIT CONNECTOR 1.25" STRAIG	4	20780	TERMINAL BLOCK 3 POLE 600V 50A
6	02264	CONDUIT LOCKNUT .5"	120	02176	TERMINAL LUG #8 HOMAC UL/CSA
8	02266	CONDUIT SLEEVE .375" REDEYE	4	04806	TERMINAL STRIP 600V 30A 10-24
4	02953	CONDUIT SLEEVE .5" T&B UL/CSA	2	02567	THERMOMETER REMOTE MT 2.5" DUA
28	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	2	05018	THERMOWELL FOR 05012 STEP CONT
2	04699	CONNECTOR .75" 2 SCREW NEER	2	03209	VALVE BALL 1.25" 200#SWP SB584
2	03445	CONTACTOR 35A 120V 2P UL/CSA <i>BSB 4/22/16</i>	2	03201	VALVE DRAIN COCK .25" NPT
40	02530	CONTACTOR 50A 120V 3P UL/CSA	2	03358	VALVE SAFETY 1" 150# HOTWATER <i>BSB 4/22/16</i>
4	02987	COUPLING .25" BRASS SB62 C836	6	04439	WIRE #18 TGGT 600V 250C UL/CSA
2	03132	CRATE 70W 83L 65H DOMESTIC W/5	360	02170	WIRE #6 STR BLACK 3196/06T133-
2	01146	CROSS 1" BLACK MALLEABLE IRON	1,080	02171	WIRE #8 STRANDED (133) BLACK 6
2	01162	ELBOW .25" BRASS FEMALE SB62 C	100	04186	WIRE STRD #18 BLK TEW (16/30)
2	20376	ELECTRICAL BOX 66" X 48" X 10.	24	04189	WIRE STRD #18 BLUE TEW (16/30)
2	02630	ELECTRODE FITTING CAST WARRICK	160	04188	WIRE STRD #18 RED TEW (16/30)
2	20721-HLR	ELECTRONIC BOILER CONTROL HLR	50	04187	WIRE STRD #18 WHITE TEW (16/30)
40	02609	ELEMENT 480V 30KW 3P SS 304 SH	4	20135E	WRAPPER END 38" POWER COATING
2	05038	FILTER FAN KIT 120V/50-6-HZ 13	2	20894	WRAPPER SET HLR540-900
20	03049	FLANGE 2" BLIND 150# A-105			
2	02125	FUSE 250V 15A UL/CSA			
2	03470	FUSE 250V 3A UL/CSA			
2	04576	FUSE 250V 6 AMP FRN-R-6 UL/CSA			
60	04972	FUSE 600V 90A UL/CSA			

OPT1011-480HLR

probe = 10 1/8"