

CRN# _____

NATL.BD# 72591SERIAL# 74578

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NAMEPLATE RATINGS:

PART NUMBER HLR210K3H
 MODEL HLR-210
 POWER SUPPLY WIRE SIZE 400
 POWER VOLTS 480
 CONTROL VOLT 120
 PHASE 3
 HZ 60
 MAX. W.P. 150
 KILOWATTS 210

CERTIFICATION & REPORTING (CG-500) CSD-1 OPERATIONAL TEST/ELECTRIC AND STEAM

DATE (M/D/Y) 8 / 10 / 2015

UL FILE # E39545

WIRING DIAGRAM # _____ REV _____

DIELECTRIC VOLTAGE- WITHSTAND TEST: (IAW U.L. 834)

VOLTS 2352 SAT ☒ UNSAT _____
 PERFORMED BY BSB DATE 8/10/15

HYDRO TEST OF COMPLETE BOILER

P.S.I.G. _____
 PERFORMED BY _____
 DATE _____

HEATING ELEMENT TEST

VOLTS 480 AMPS 241.5
 TOTAL WATT 210K

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER N/A
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. 7
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 8/10/15MANUFACTURER 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 5044000 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) 716,520 BTU/HRMAX. TEMPERATURE 250 °F

OPERATIONAL TEST		SETTING	DATE	MANUFACTURER	MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F				
AUTO RESET		X				
MANUAL RESET	<u>B. Butts</u>	X	<u>8/10/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT						
OPERATING #1						
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	250	<u>8/10/15</u>	HONEYWELL	L4008E1040	02599
OPERATING CONTROL	<u>B. Butts</u>	190	<u>8/10/15</u>	HONEYWELL	L4008A1015	02378

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 8/10/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0031456

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Work Order Traveler

SCHEDULED START: 05/28/15

DUE DATE: 06/01/15

0031456

ITEM NUMBER: **HLR210K3H**
DESCRIPTION: **BOILER HLR210 480V 3PH 150#**
REVISION: 000
OPTION CODE:

QUANTITY: **1.00**
UNIT OF MEASUREMENT: EACH

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02378	AQUASTAT L4008A1015 HW 100-240	1	02819	NIPPLE 1.25" X3" BLACK EH
1	02599	AQUASTAT L4008E 1040 HW HI LIM	1	20376-F	PANEL INTERNAL (LG) 66" X 48"
2	02433	AQUASTAT WELL .5"W/CLIP HW	1	02569	PRESSURE GAUGE 2.5" PANEL MOUN
1	02618	BLOCK POWER DISTRIBUTION 3/500	1	04603	RELAY 1 PDT 120 V
1	21018	BOILER CONTROL + HW775 PANEL	1	HLR-300	SHELL HLR 300 (COMPLETE)
4	03076	BOLT CARRIAGE .375-16X4 UNPLAT	2	04529	STANDOFF HEX 1.5" X .375" FOR
1	01776	BOX 4 X 2.125 X 1.875 STEEL CI	1	05012	STEP CONTROL 4 STEP HW HLR
1	02847	BOX COVER BLANK HANDY STEEL CI	1	21015	STEP CONTROL BLANK HLR
19	20874-8	BRACKET RHP 120-300; HLR 510 S	1	05019	STEP CONTROL EXPANSION MODULE
1	01904	BRASS ROD .25" (WELDING ROD)	1	20780	TERMINAL BLOCK 3 POLE 600V 50A
1	01120	BUSHING 1" X .75" HEX BLACK MA	1	02567	THERMOMETER REMOTE MT 2.5" DUA
1	02979	BUSHING 1.5" X 1.25" HEX BLACK	1	05018	THERMOWELL FOR 05012 STEP CONT
1	02982	BUSHING 2" X 1.5" HEX BLACK MA	1	03209	VALVE BALL 1.25" 200#SWP SB584
2	04528	CABLE TIE MOUNT	1	03201	VALVE DRAIN COCK .25" NPT
1	02203	CEILING PLATE .375	1	03358	VALVE SAFETY 1" 150# HOTWATER
1	02205	CEILING PLATE .75" I.P.S. FLAN	2	20053E	WRAPPER END 28" DWG20013 POWER
1	02206	CEILING PLATE 1" PIPE SIZE	1	21017	WRAPPER HLR 210-300
12	02244	CONDUIT ALFLEX type SWA 1.25"			
15	02240	CONDUIT ALFLEX type SWA .375"			
2	02241	CONDUIT ALFLEX type SWA .5" UL			
6	02246	CONDUIT CONNECTOR .375" 90 DEG			
2	02247	CONDUIT CONNECTOR .5" X 90 DEG			
6	02250	CONDUIT CONNECTOR 1.25" 90 DEG			
2	02258	CONDUIT CONNECTOR 1.25" STRAIG			
1	04699	CONNECTOR .75" 2 SCREW NEER			
1	03445	CONTACTOR 35A 120V 2P UL/CSA			
7	02530	CONTACTOR 50A 120V 3P UL/CSA			
2	20995	COVER PLATE FAN HLR			
1	03132	CRATE 70W 83L 65H DOMESTIC W/5			
1	20887	ELECTRICAL BOX 48" X 48" X 8"			
1	02630	ELECTRODE FITTING CAST WARRICK			
1	20721-HLR	ELECTRONIC BOILER CONTROL HLR			
7	02609	ELEMENT 480V 30KW 3P SS 304 SH			
42	04076	FERRULES AWG 8			
3	03049	FLANGE 2" BLIND 150# A-105			
1	02125	FUSE 250V 15A UL/CSA			
1	03470	FUSE 250V 3A UL/CSA			
21	02518	FUSE 600V 50A UL/CSA			
1	02613	FUSE BLOCK 600V 30A 3P UL/CSA			
7	02614	FUSE BLOCK 600V 60A 3P UL/CSA			
1	20071	GAUGE PLATE HLR 24-550			
1	20861	LABEL MAX. TORQUE 10. LB IN /0			

probe = 7³/8