

CRN# _____

NATL.BD# 72465SERIAL# 74447**Reimers**
Electra Steam, Inc.4407 Martinsburg Pike P: 540-662-3811
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NAMEPLATE RATINGS:

PART NUMBER HLR120K3E
MODEL HLR-120
POWER SUPPLY WIRE SIZE 3/0
POWER VOLTS 480
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 120CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 1/16/2015 UL FILE # E39545

WIRING DIAGRAM # _____ REV _____

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2352 SAT ☒ UNSAT _____
PERFORMED BY BSB DATE 11/16/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. _____
PERFORMED BY _____
DATE _____

HEATING ELEMENT TEST

VOLTS 480 AMPS 142
TOTAL WATT 120K

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. 4
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 11/16/15MANUFACTURER CONBRACO

Model # _____

STEAM BOILER ☐HOT WATER BOILER ☒

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

MAX. W. P. 75 PSIG (VALVE ASME PLATE)

CAPACITY _____ PPH (VALVE ASME PLATE)

CAPACITY 1615,000 BTU/HR (VALVE ASME PLATE)

SIZE _____ IN

SIZE 3/4 IN

REQUIRED CAPACITY (PPH = 3.5 x kW) _____ PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) 409,490 BTU/HRMAX. TEMPERATURE 250 °F

OPERATIONAL TEST		SETTING				
LOW WATER CUTOFF	PERFORMED BY	PSI/°F	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET		X				
MANUAL RESET	<u>B. Butts</u>	X	<u>11/16/15</u>	REIMERS	20721-HLR	20721-HLR
PRESSURE CONTROLS						
HIGH LIMIT						
OPERATING #1						
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	<u>250</u>	<u>11/16/15</u>	HONEYWELL	L4008E1040	02599
OPERATING CONTROL	<u>B. Butts</u>	<u>190</u>	<u>11/16/15</u>	HONEYWELL	L4008A1015	02378

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 11/16/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0029966

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Work Order Traveler

SCHEDULED START: 12/09/14

0029966

DUE DATE: 12/11/14

ITEM NUMBER: **HLR120K3E**QUANTITY: **1.00**DESCRIPTION: **BOILER HLR 120KW 480V 3PH 75#**

UNIT OF MEASUREMENT: EACH

REVISION: 000

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02378	AQUASTAT L4008A1015 HW 100-240	1	03818	TICKET HOLDER FOR SHOP CLEAR F
1	02599	AQUASTAT L4008E 1040 HW HI LIM	1	02514	VALVE BALL .75" 200# SWP
2	02433	AQUASTAT WELL .5"W/CLIP HW	1	03201	VALVE DRAIN COCK .25" NPT
1	02618	BLOCK POWER DISTRIBUTION 3/500	1	02641	VALVE SAFETY .75" 75# HOT WATE
1	01776	BOX 4 X 2.125 X 1.875 STEEL CI	120	02171	WIRE #8 STRANDED (133) BLACK 6
1	02847	BOX COVER BLANK HANDY STEEL CI	2	02209S	WRAPPER END 20" 20103REV.B 16G
1	20350-23	BRACE HOT WATER BOILERS	1	20079	WRAPPER HLR120-180
1	01904	BRASS ROD .25" (WELDING ROD)			
2	04528	CABLE TIE MOUNT			
1	02203	CEILING PLATE .375			
2	02205	CEILING PLATE .75" I.P.S. FLAN			
1	02206	CEILING PLATE 1" PIPE SIZE			
3	02246	CONDUIT CONNECTOR .375" 90 DEG			
4	02247	CONDUIT CONNECTOR .5" X 90 DEG			
1	04699	CONNECTOR .75" 2 SCREW NEER			
1	03445	CONTACTOR 35A 120V 2P UL/CSA			
4	02530	CONTACTOR 50A 120V 3P UL/CSA			
2	20995	COVER PLATE FAN HLR			
1	02234	CRATE 37"W X 76"L X 40"H DOMES			
1	20086B-9	ELEC PANEL PUNCHED FOR E-BOX 3			
1	20086A	ELECTRICAL BOX 36W 36H 6D			
1	02630	ELECTRODE FITTING CAST WARRICK			
1	20721-HLR	ELECTRONIC BOILER CONTROL HLR			
4	02609	ELEMENT 480V 30KW 3P SS 304 SH			
2	03049	FLANGE 2" BLIND 150# A-105			
4	02022	FLANGE GASKET 2" RING			
1	02125	FUSE 250V 15A UL/CSA			
2	04574	FUSE 250V 3 AMP UL/CSA			
12	02518	FUSE 600V 50A UL/CSA			
1	02150	FUSE BLOCK 250V 30A 2P UL/CSA			
4	02614	FUSE BLOCK 600V 60A 3P UL/CSA			
1	20071	GAUGE PLATE HLR 24-550			
1	20861	LABEL MAX. TORQUE 10. LB IN /0			
1	02569	PRESSURE GAUGE 2.5" PANEL MOUN			
1	04603	RELAY 1 PDT 120 V			
1	HLR-180	SHELL HLR 180 (COMPLETE)			
2	04529	STANDOFF HEX 1.5" X .375" FOR			
1	05012	STEP CONTROL 4 STEP HW HLR			
1	05019	STEP CONTROL EXPANSION MODULE			
1	20780	TERMINAL BLOCK 3 POLE 600V 50A			
1	02567	THERMOMETER REMOTE MT 2.5" DUA			
1	05018	THERMOWELL FOR 05012 STEP CONT			

probe = 6'1/2"