

CRN# _____

NATL.BD#

72653

SERIAL#

74640

Reimers®
 Electra Steam, Inc.

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 Clear Brook, VA 22624
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NAMEPLATE RATINGS:

 PART NUMBER RBH20E3F
 MODEL RH-20
 POWER SUPPLY WIRE SIZE 6
 POWER VOLTS 240
 CONTROL VOLT 120
 PHASE 3
 HZ 60
 MAX. W.P. 100
 KILOWATTS 20
**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 6/11/2015

UL FILE # E39545

WIRING DIAGRAM # 16, 91, 101, 110, 120, 131 REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ☒ UNSAT _____PERFORMED BY OC DATE 6/12/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100PERFORMED BY OCDATE 6/11/15

HEATING ELEMENT TEST

VOLTS 240AMPS 47.2

TOTAL WATT 20K

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN AUTO
3. TRANSFORMER
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. 2
22. ELEMENT VOLT/KW 240 10
23. NAMEPLATE
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED OCDATE 6/12/15MANUFACTURER 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 INSIZE INREQUIRED CAPACITY (PPH = 3.5 x kW) 105 PPHREQUIRED CAPACITY (BTU/HR = 3412 x kW) BTU/HRMAX. TEMPERATURE °F

OPERATIONAL TEST		SETTING	DATE	MANUFACTURER	MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F				
AUTO RESET	N/A	X				
MANUAL RESET	<u>OC</u>	X	<u>6/11/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>OC</u>	90	<u>6/11/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>OC</u>	60	<u>6/11/15</u>	TECMARK	3156-EC	04163
OPERATING #2	N/A					
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name)

David E. CoffDATE 6/11/15Signature

Representing Installer Contractor (Name)

DATE _____

Signature _____



0031269

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Work Order Traveler

SCHEDULED START: 05/11/15

0031269

DUE DATE: 05/20/15

ITEM NUMBER: **RBH20E3F**QUANTITY: ~~5.00~~ 1.00DESCRIPTION: **BOILER RBH 20KW 240V 3 PH 100#**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

VEIT LINE

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
5	04701	CARTON RB 30W 35L 28.75H SLOT	50	04440	WIRE #8 PTFE INS. W/GLASS SLEE
5	02254	CONNECTOR .375" 2 SCREW NEER	10	04789	WIRE SADDLE NYLON LOCKING
5	02539	CONTACTOR 75A 120V 3P UL/CSA			
5	20838	CONTROLLER 04316-EBC-LED			
5	04781	COUPLING .5" BRASS B16.15 125			
5	20775-11	COVER ELEMENT TERMINALS RB REV			
5	20775-7	COVER RIGHT ELEC BOX RB REV3			
5	04229	DECAL SHEET			
5	04813	DINCONNECTOR/CORD FOR RB BOILE			
5	20847	DISC, ORF-20 20KW STEAM ORIFIC			
5	03923	ELBOW .5" TUBE X .375" NPT SB			
10	04165	ELEMENT 240V 10KW 3PH B-DIM.=1			
-10	20598	FLANGE BLIND 2.5" SQ 4 BOLT			
5	02655	FUSE 250V 5A UL/CSA			
-10	02281-TOPOG	GASKET 2.5"X .125"t TOPOG-E			
5	20863	LABEL MAX. TORQUE 50. LB IN /0			
5	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
5	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
10	03077	LOCKWASHER .25" STEEL HELICAL			
5	20840	MANIFOLD FEED WATER SUBASSY RB			
5	04668	NIPPLE .25" X 1.125" BRASS SCH			
5	04787	NUT .25-20 WING ZINC PLATED			
10	01351	NUT .25-20HEX JAM PLATE			
10	04163	PRESSURE CONTROL 60# OPERATING			
5	04296	PRESSURE CONTROL 90# HI LIMIT			
5	20842	PRESSURE CONTROL MANIFOLD RB R			
5	04661	PRESSURE GAUGE 2.0" .25" 0-160			
5	20775-9	PUMP BASE MOUNTING BRACKET			
5	20992	PUMP SUBASSY 03693 120V 1 PH			
5	03344	RECEPTACLE CONN. MALE "AMPHENO			
5	03345	RECEPTACLE FEMALE "AMPHENOL"			
5	04593	SCREW .25-20 X .75 HEX CAP PLA			
5	04760	SCREW 1/4"-20 X .75" PAN HEAD			
40	01291	SCREW 8-32X.25RDHD SLT MCH ZI			
30	01246	SCREW 8-32X.375RDHD MCH PLT SL			
5	04731	STUD PRESS-IN THREADED .25"-20			
5	RB30-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL			
30	04080	TERMINAL RING FOR # 8 AWG WIR			
5	03818	TICKET HOLDER FOR SHOP CLEAR F			
5	02490	VALVE BALL .5" 200# SWP			
5	03346	VALVE BALL .5" W/LATCH 200 SWP			
5	02637	VALVE SAFETY .5" 100# SWP 1" O			