

CRN# _____

NATL.BD# 72765SERIAL# 74752
Reimers®
 Electra Steam, Inc.

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 Clear Brook, VA 22624
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NAMEPLATE RATINGS:
 PART NUMBER RBH20C3F
 MODEL RH-20
 POWER SUPPLY WIRE SIZE 4
 POWER VOLTS 208
 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 / 16 / 20 15UL FILE # E39545WIRING DIAGRAM # 06, 91, 101, 110, 122, 131, 140, REV 5
X, 160, 170, 180,
DIELECTRIC VOLTAGE- WITHSTAND
 TEST: (IAW U.L. 834)

 VOLTS 1200 SAT ✓ UNSAT _____
 PERFORMED BY BSB DATE 6/16/15
**HYDRO TEST OF
 COMPLETE BOILER**

 P.S.I.G. 100
 PERFORMED BY DC
 DATE 6/16/15
HEATING ELEMENT TEST
 VOLTS 208 AMPS 55.5
 TOTAL WATT 20K TEST 240 V 61.3 A
CHECKOUT

1. APPEARANCE ✓
2. BLOWDOWN MAN N/A AUTO ✓
3. TRANSFORMER N/A
4. CONDENSATE TANK N/A
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 208/10
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

SAFETY LIMIT CONTROLS (REF: ASME CSD-1, CG-500)**SAFETY RELIEF VALVE**OPERATIONAL TEST PERFORMED ✓DATE 6/16/15MANUFACTURER 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 IN

SIZE _____ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 105 PPH

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

MAX. TEMPERATURE _____ °F

	OPERATIONAL TEST	SETTING
LOW WATER CUTOFF	PERFORMED BY	PSI/°F
AUTO RESET	<u>N/A</u>	<u>X</u>
MANUAL RESET	<u>B. Butts</u>	<u>X</u>
PRESSURE CONTROLS		
HIGH LIMIT	<u>B. Butts</u>	<u>90</u>
OPERATING #1	<u>B. Butts</u>	<u>80</u>
OPERATING #2	<u>N/A</u>	
TEMPERATURE CONTROLS		
HIGH LIMIT	<u>N/A</u>	
OPERATING CONTROL		

DATE	MANUFACTURER	MODEL #	PART#
<u>6/16/15</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
<u>6/16/15</u>	<u>TECMARK</u>	<u>3155-ED</u>	<u>04296</u>
<u>6/16/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 6/16/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____

1052



0031424

Page: 1

Work Order Traveler

SCHEDULED START: 05/26/15

0031424

DUE DATE: 05/29/15

QUANTITY: 2.00 (100)

ITEM NUMBER: RBH20C3F

DESCRIPTION: BOILER RBH 20KW 208V 3PH 100#

REVISION: 003

UNIT OF MEASUREMENT: EA

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	04701	CARTON RB 30W 35L 28.75H SLOT	4	04789	WIRE SADDLE NYLON LOCKING
2	02539	CONTACTOR 75A 120V 3P UL/CSA			
2	20838	CONTROLLER 04316-EBC-LED			
2	04781	COUPLING .5" BRASS B16.15 125			
2	20775-11	COVER ELEMENT TERMINALS RB REV			
2	20775-7	COVER RIGHT ELEC BOX RB REV3			
2	04229	DECAL SHEET			
2	04813	DINCONNECTOR/CORD FOR RB BOILE			
2	20847	DISC, ORF-20 20KW STEAM ORIFIC			
2	03923	ELBOW .5" TUBE X .375" NPT SB			
4	04164	ELEMENT 208V 10KW 3PH B-DIM.=1			
-4	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
2	02655	FUSE 250V 5A UL/CSA			
-4	02281-TOPOG	GASKET 2.5"X .125"t TOPOG-E			
2	20863	LABEL MAX. TORQUE 50. LB IN /0			
2	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
2	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
4	03077	LOCKWASHER .25" STEEL HELICAL			
2	20840	MANIFOLD FEED WATER SUBASSY RB			
2	04668	NIPPLE .25" X 1.125" BRASS SCH			
2	04787	NUT .25-20 WING ZINC PLATED			
4	01351	NUT .25-20HEX JAM PLATE			
4	04163	PRESSURE CONTROL 60# OPERATING			
2	04296	PRESSURE CONTROL 90# HI LIMIT			
2	20842	PRESSURE CONTROL MANIFOLD RB R			
2	04661	PRESSURE GAUGE 2.0" .25" 0-160			
2	20775-9	PUMP BASE MOUNTING BRACKET			
2	20992	PUMP SUBASSY 03693 120V 1 PH			
2	03344	RECEPTACLE CONN. MALE "AMPHENO			
2	03345	RECEPTACLE FEMALE "AMPHENOL"			
2	04593	SCREW .25-20 X .75 HEX CAP PLA			
2	04760	SCREW 1/4"-20 X .75" PAN HEAD			
16	01291	SCREW 8-32X.25RDHD SLT MCH ZI			
12	01246	SCREW 8-32X.375RDHD MCH PLT SL			
2	04731	STUD PRESS-IN THREADED .25"-20			
2	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			
12	04080	TERMINAL RING FOR # 8 AWG WIR			
2	03818	TICKET HOLDER FOR SHOP CLEAR F			
2	02490	VALVE BALL .5" 200# SWP			
2	03346	VALVE BALL .5" W/LATCH 200 SWP			
2	02637	VALVE SAFETY .5" 100# SWP 1" O			
20	04440	WIRE #8 PTFE INS. W/GLASS SLEE			

OPT1016

BSB 6/16/15
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