

CRN#

NATL.BD# 71524

SERIAL# 73501

Reimers
 Electra Steam, Inc.

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NAMEPLATE RATINGS:

 PART NUMBER RB20E3F
 MODEL R-20
 POWER SUPPLY WIRE SIZE 8
 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) 3 / 6 / 20 14

UL FILE # E39545

WIRING DIAGRAM # 16, 91, 100, 110, 122, 131, REV 140, X, 160, 170

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

 VOLTS 1200 SAT UNSAT
 PERFORMED BY OC DATE 3/6/14

 HYDRO TEST OF
 COMPLETE BOILER

 P.S.I.G. 100
 PERFORMED BY OC
 DATE 3/6/14

HEATING ELEMENT TEST

 VOLTS 240 AMPS 47.6
 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

OC

DATE

3/6/14

MANUFACTURER CONBRACO

Model # 29-202A-100

STEAM BOILER ☒HOT WATER BOILER ☐
 MAX. W. P. 100 PSIG (VALVE ASME PLATE)
 CAPACITY 423 PPH (VALVE ASME PLATE)
 SIZE 1/2 IN
 REQUIRED CAPACITY (PPH = 3.5 x kW) 70 PPH

 MAX. W. P. PSIG (VALVE ASME PLATE)
 CAPACITY BTU/HR (VALVE ASME PLATE)
 SIZE IN
 REQUIRED CAPACITY (BTU/HR = 3412 x kW) BTU/HR
 MAX. TEMPERATURE °F

	OPERATIONAL TEST	SETTING				
LOW WATER CUTOFF	PERFORMED BY	PSI/°F	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET	N/A	X				
MANUAL RESET	OC	X	3/6/14	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	OC	90	3/6/14	TECMARK	3155-ED	04296
OPERATING #1	OC	60	3/6/14	TECMARK	3156-EC	04163
OPERATING #2	OC	15	3/6/14	TECMARK	3156-EC	04163
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name)

 David E. Coffey
 Signature

DATE 3/6/14

Representing Installer Contractor (Name)

DATE

Signature



0027723

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Work Order Traveler

SCHEDULED START: 03/03/14

0027723

DUE DATE: 03/04/14

ITEM NUMBER: **RB20E3F**QUANTITY: **1.00**DESCRIPTION: **BOILER RB 20KW 240V 3PH 100# S**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	20654	BRACKET SOLENOID VALVE	1	03818	TICKET HOLDER FOR SHOP CLEAR F
1	04462	BUSHING .375 X .25 BRASS SB16	1	02490	VALVE BALL .5" 200# SWP
1	03944	BUSHING .5 X .375 BRASS (PARKE	1	03346	VALVE BALL .5" W/LATCH 200 SWP
1	04701	CARTON RB 30W 35L 28.75H SLOT	1	02637	VALVE SAFETY .5" 100# SWP 1" O <i>OC 3/6/14</i>
1	02539	CONTACTOR 75A 120V 3P UL/CSA	1	04761	VALVE SOLENOID .375" 120V WATE
1	20838	CONTROLLER 04316-EBC-LED	8	04440	WIRE #8 PTFE INS. W/GLASS SLEE
1	04781	COUPLING .5" BRASS B16.15 125	2	04789	WIRE SADDLE NYLON LOCKING
1	20775-11	COVER ELEMENT TERMINALS RB REV			
1	20775-7	COVER RIGHT ELEC BOX RB REV3			
1	04229	DECAL SHEET			
1	04813	DINCONNECTOR/CORD FOR RB BOILE			
2	02998	ELBOW .375" 90 DEG. BRASS B62			
1	03923	ELBOW .5" TUBE X .375" NPT SB			
2	04165	ELEMENT 240V 10KW 3PH B-DIM.=1			
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
1	02655	FUSE 250V 5A UL/CSA			
-2	02281-TOPOC	GASKET 2.5"X .125"t TOPOG-E			
1	20863	LABEL MAX. TORQUE 50. LB IN /0			
1	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
1	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
2	03077	LOCKWASHER .25" STEEL HELICAL			
1	20840	MANIFOLD FEED WATER SUBASSY RB			
1	04668	NIPPLE .25" X 1.125" BRASS SCH			
2	03948	NIPPLE .375 X CLOSE BRASS (PAR			
1	04784	NIPPLE .375" X 4" BRASS ASTM B			
1	04787	NUT .25-20 WING ZINC PLATED			
2	01351	NUT .25-20HEX JAM PLATE			
1	ORF-20	ORIFICE DRILLED #10 (.193) RB			
1	04163	PRESSURE CONTROL 60# OPERATING <i>OC 3/6/14</i>			
1	04296	PRESSURE CONTROL 90# HI LIMIT <i>OC 3/6/14</i>			
1	20842	PRESSURE CONTROL MANIFOLD RB R			
1	04661	PRESSURE GAUGE 2.0" .25" 0-160			
1	20775-9	PUMP BASE MOUNTING BRACKET			
1	20775-8	PUMP BASE SOL VAL. RB REV3			
1	04593	SCREW .25-20 X .75 HEX CAP PLA			
1	04760	SCREW 1/4"-20 X .75" PAN HEAD			
8	01291	SCREW 8-32X.25RDHD SLT MCH ZI			
10	01246	SCREW 8-32X.375RDHD MCH PLT SL			
1	03262	STRAINER .375" Y SB-584 C844			
1	04731	STUD PRESS-IN THREADED .25"-20			
1	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			
6	04080	TERMINAL RING FOR # 8 AWG WIR			