

CRN#

NATL.BD#

SERIAL#

Reimers
Electra Steam, Inc.

4407 Martinsburg Pike
Clear Brook, VA 22624
www.reimersinc.com

P: 540-662-3811
F: 540-665-8101
sales@reimersinc.com

NAMEPLATE RATINGS:

PART NUMBER RB20K3F
MODEL R-20
POWER SUPPLY WIRE SIZE 8
POWER VOLTS 480
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) 4/30/15UL FILE # E39545WIRING DIAGRAM # 56, 91, 100, 110, 120, 131 REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2350 SAT ☒ UNSAT ☐
PERFORMED BY DC DATE 4/30/15

HYDRO TEST OF
COMPLETE BOILER

P.S.I.G. 100
PERFORMED BY DC
DATE 4/30/15

HEATING ELEMENT TEST

VOLTS 480 AMPS 24.8
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 480/10
23. NAMEPLATE ☐
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED

MANUFACTURER CONBRACOModel # 19LDC A100DATE 4/30/15STEAM BOILER ☒HOT WATER BOILER ☐

MAX. W. P. 100 PSIG (VALVE ASME PLATE)
CAPACITY 646 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	DATE	MANUFACTURER	MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F				
AUTO RESET	N/A	X				
MANUAL RESET	<u>DC</u>	X	<u>4/30/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>DC</u>	<u>90</u>	<u>4/30/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>DC</u>	<u>60</u>	<u>4/30/15</u>	TECMARK	3156-EC	04163
OPERATING #2	N/A					
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name)

DATE 4/30/15 Signature D. P. E. C. F.

Representing Installer Contractor (Name)

DATE _____ Signature _____



0030922

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Work Order Traveler

SCHEDULED START: 04/22/15

DUE DATE: 04/22/15

0030922

ITEM NUMBER: **RB20K3F**
DESCRIPTION: **BOILER RB 20KW 480V 3PH 100# S**
REVISION: 003
OPTION CODE:

QUANTITY: **1.00**
UNIT OF MEASUREMENT: EA

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	20654	BRACKET SOLENOID VALVE	1	03346	VALVE BALL .5" W/LATCH 200 SWP
1	04462	BUSHING .375 X .25 BRASS SB16	1	02637	VALVE SAFETY .5" 100# SWP 1" O
1	04701	CARTON RB 30W 35L 28.75H SLOT	1	04761	VALVE SOLENOID .375" 120V WATE
1	02254	CONNECTOR .375" 2 SCREW NEER	10	04278	WIRE #10 TGGT PTFE INS. W/GLAS
1	02530	CONTACTOR 50A 120V 3P UL/CSA	2	04789	WIRE SADDLE NYLON LOCKING
1	20838	CONTROLLER 04316-EBC-LED			
1	04781	COUPLING .5" BRASS B16.15 125			
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			
1	03923	ELBOW .5" TUBE X .375" NPT SB			
2	04166	ELEMENT 480V 10KW 3P BDIM=18 Y			
-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	20862	LABEL MAX. TORQUE 40. 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			
1	03949	NIPPLE .5 X CLOSE BRASS SCH 40			
1	04787	NUT .25-20 WING ZINC PLATED			
2	01351	NUT .25-20HEX JAM PLATE			
1	04163	PRESSURE CONTROL 60# OPERATING			
1	04296	PRESSURE CONTROL 90# HI LIMIT			
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			
6	02741	TERMINAL RING 10-12WIRE #10STU			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
1	02490	VALVE BALL .5" 200# SWP			

OPT1030-RB30-HP

OC 4/30/15
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