

CRN# _____

NATL.BD# _____

SERIAL# 72834SERIAL# 74821
Reimers
 Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RBH20K3FMODEL RH-20POWER SUPPLY WIRE SIZE 8POWER VOLTS 480CONTROL VOLT 120PHASE 3HZ 60MAX. W.P. 100KILOWATTS 20
**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 8 / 11 / 20 15

UL FILE # E39545

WIRING DIAGRAM # 59, 91, 101, 112, 120, 131, 140 REV 5X 160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.I. 834)

VOLTS 2350 SAT ☒ UNSAT ☐PERFORMED BY OC DATE 8/11/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100PERFORMED BY OCDATE 8/11/15

HEATING ELEMENT TEST

VOLTS 480AMPS 24.7

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 OCDATE 8/11/15MANUFACTURER 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	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET	N/A	X				
MANUAL RESET	<u>OC</u>	X	<u>8/11/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>OC</u>	90	<u>8/11/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>OC</u>	60	<u>8/11/15</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. CoffeyDATE 8/11/15 Signature [Signature]

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0031956

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Work Order Traveler

SCHEDULED START: 07/27/15

DUE DATE: 07/29/15

QUANTITY: ~~2.00~~ 1.00

UNIT OF MEASUREMENT: EA

0031956

ITEM NUMBER: **RBH20K3F**DESCRIPTION: **BOILER RBH 20KW 480V 3 PH 100#**

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	04701	CARTON RB 30W 35L 28.75H SLOT	2	02637	VALVE SAFETY .5" 100# SWP 1" O
2	02254	CONNECTOR .375" 2 SCREW NEER	20	04278	WIRE #10 TGGT PTFE INS. W/GLAS
2	02530	CONTACTOR 50A 120V 3P UL/CSA	4	04789	WIRE SADDLE NYLON LOCKING
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	04166	ELEMENT 480V 10KW 3P BDIM=18 Y			
-4	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
2	02655	FUSE 250V 5A UL/CSA			
-4	02281-TOPOG	GASKET 2.5"X .125" TOPOG-E			
2	20862	LABEL MAX. TORQUE 40. 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-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL			
12	04080	TERMINAL RING FOR # 8 AWG WIR			
12	02741	TERMINAL RING 10-12WIRE #10STU			
2	03818	TICKET HOLDER FOR SHOP CLEAR F			
2	02490	VALVE BALL .5" 200# SWP			
2	03346	VALVE BALL .5" W/LATCH 200 SWP			

OPT1009-480RBH