

CRN# _____

NATL.BD# 71161SERIAL# 73135
Reimers®
 Electra Steam, Inc.

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NAMEPLATE RATINGS:

 PART NUMBER RBH20K3F
 MODEL RH-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) 10 / 3 / 2013UL FILE # E39545WIRING DIAGRAM # 56, 91, 101, 110, 120, 131, 140 REV 5
X 160, 120

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

 VOLTS 2350 SAT ☒ UNSAT _____
 PERFORMED BY OC DATE 10/3/13
HYDRO TEST OF
COMPLETE BOILER
 P.S.I.G. 100
 PERFORMED BY OC
 DATE 10/3/13

HEATING ELEMENT TEST

 VOLTS 480 AMPS 24.4
 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 10/3/13MANUFACTURER 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>10/3/13</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>OC</u>	90	<u>10/3/13</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>OC</u>	60	<u>10/3/13</u>	TECMARK	3156-EC	04163
OPERATING #2	N/A					
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) David B. CoffeyDATE 10/3/13 Signature _____

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0026657

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Work Order Traveler

SCHEDULED START: 09/27/13

0026657

DUE DATE: 09/30/13

ITEM NUMBER: **RBH20K3F**
DESCRIPTION: **BOILER RBH 20KW 480V 3 PH 100#**
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	8	01291	SCREW 8-32X.25RNDHD SLT MCH ZI
1	04462	BUSHING .375 X .25 BRASS SB16	10	01246	SCREW 8-32X.375RDHD MCH PLT SL
1	03944	BUSHING .5 X .375 BRASS (PARKE	4	01579	SCREW 8-32X1RND SLT PLATED STL
1	04701	CARTON RB 30W 35L 28.75H SLOT	1	03262	STRAINER .375" Y SB-584 C844
1	02254	CONNECTOR .375" 2 SCREW NEER	1	04731	STUD PRESS-IN THREADED .25"-20
1	02530	CONTACTOR 50A 120V 3P UL/CSA	1	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL
1	20838	CONTROLLER 04316-EBC-LED	6	04080	TERMINAL RING FOR # 8 AWG WIR
1	03760	COPPER TUBE REF.5"ODX.032WALL	6	02741	TERMINAL RING 10-12WIRE #10STU
1	04781	COUPLING .5" BRASS B16.15 125	1	03818	TICKET HOLDER FOR SHOP CLEAR F
1	20775-11	COVER ELEMENT TERMINALS RB REV	1	02490	VALVE BALL .5" 200# SWP
1	20775-7	COVER RIGHT ELEC BOX RB REV3	1	03346	VALVE BALL .5" W/LATCH 200 SWP
1	04229	DECAL SHEET	1	02637	VALVE SAFETY .5" 100# SWP 1" O <i>OC 10/3/13</i>
1	04813	DINCONNECTOR/CORD FOR RB BOILE	1	04761	VALVE SOLENOID .375" 120V WATE
1	03923	ELBOW .5" TUBE X .375" NPT SB	4	03720	WASHER FOR PUMP RUBBER BUMPERS
1	04264	ELBOW CONNECTOR .5" TUBE X .37	10	04278	WIRE #10 TGGT PTFE INS. W/GLAS
1	04265	ELBOW STREET .375 NPT POLYPROP	2	04789	WIRE SADDLE NYLON LOCKING
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-TOPOG	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			
2	03561	LOCKWASHER 3/16" EXTERNAL TOOT			
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	04231	NUT & SLEEVE .5" BRASSCRAFT			
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 10/3/13</i>			
1	04296	PRESSURE CONTROL 90# HI LIMIT <i>OC 10/3/13</i>			
1	20842	PRESSURE CONTROL MANIFOLD RB R			
1	04661	PRESSURE GAUGE 2.0" .25" 0-160			
1	04178	PUMP 120V 1PH W/CORD POSITIVE			
1	20775-9	PUMP BASE MOUNTING BRACKET			
1	20775-8	PUMP BASE SOL VAL. RB REV3 ASS			
1	04593	SCREW .25-20 X .75 HEX CAP PLA			
1	04760	SCREW 1/4"-20 X .75" PAN HEAD			