

CHANGED in FIELD to 208V. 8-14-15

CRN# _____

NATL.BD# 72621

SERIAL# 74608

Reimers
Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RBH30E3F
MODEL RH-30
POWER SUPPLY WIRE SIZE 8
POWER VOLTS 240 208
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 30

**CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAM**

DATE (M/D/Y) 5/20/15 UL FILE # E39545

WIRING DIAGRAM # 18, 91, 101, 110, 122, 131, 140 REV 5

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

VOLTS 1200 SAT ✓ UNSAT _____
PERFORMED BY OC DATE 5/20/15

**HYDRO TEST OF
COMPLETE BOILER**

P.S.I.G. 100
PERFORMED BY DC
DATE 5/20/15

HEATING ELEMENT TEST

VOLTS 240 AMPS 71.3
TOTAL WATT 30K

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 15
23. NAMEPLATE _____
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED DC DATE 5/20/15

MANUFACTURER CONBRACO

Model # 29-202A-100

STEAM 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	N/A	X
MANUAL RESET	<u>DC</u>	X
PRESSURE CONTROLS		
HIGH LIMIT	<u>DC</u>	90
OPERATING #1	<u>DC</u>	60
OPERATING #2	<u>DC</u>	15
TEMPERATURE CONTROLS		
HIGH LIMIT	N/A	
OPERATING CONTROL		

DATE	MANUFACTURER	MODEL #	PART#
<u>5/20/15</u>	REIMERS	04316	04316
<u>5/20/15</u>	TECMARK	3155-ED	04296
<u>5/20/15</u>	TECMARK	3156-EC	04163
<u>5/20/15</u>	TECMARK	3156-EC	04163

Representing Reimers Electra Steam, INC. (Name) Dana E. Coff

Representing Installer Contractor (Name) _____

DATE 5/20/15 Signature D. E. Coff

DATE _____ Signature _____



0031171

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Work Order Traveler

SCHEDULED START: 05/13/15

0031171

DUE DATE: 05/14/15

ITEM NUMBER: **RBH30E3F**QUANTITY: **1.00**DESCRIPTION: **BOILER RBH 30KW 240V 3PH 100#**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	04701	CARTON RB 30W 35L 28.75H SLOT			
1	02254	CONNECTOR .375" 2 SCREW NEER			
1	02539	CONTACTOR 75A 120V 3P UL/CSA			
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	20848	DISC, ORF-30 30KW STEAM ORIFIC			
1	03923	ELBOW .5" TUBE X .375" NPT SB			
2	04253	ELEMENT 240V 15KW 3PH B-DIM=18			
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
1	02655	FUSE 250V 5A UL/CSA			
-2	02281-TOPOG	GASKET 2.5" X .125" 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			
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	20992	PUMP SUBASSY 03693 120V 1 PH			
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.25RNDHDD SLT MCH ZI			
6	01246	SCREW 8-32X.375RNDHDD MCH PLT SL			
1	04731	STUD PRESS-IN THREADED .25"-20			
1	RB30-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL			
6	04080	TERMINAL RING FOR # 8 AWG WIR			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
1	02490	VALVE BALL .5" 200# SWP			
1	03346	VALVE BALL .5" W/LATCH 200 SWP			
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
18	04440	WIRE #8 PTFE INS. W/GLASS SLEE			
2	04789	WIRE SADDLE NYLON LOCKING			

50A x2 (02539)

OPT1016

04277(2) 208V 15

02666 - PD Block

OC 5/20/15
OC 5/20/15

OC 5/20/15

Apt 8 1/805 at 05/17/15 APPROV 115