

DC 6/3/15

CRN# LS358.452618

NATL.BD# 72779

SERIAL# 74766

Reimers
Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RBH30K3F
MODEL RH-30
POWER SUPPLY WIRE SIZE 8
POWER VOLTS 480
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) 6 / 3 / 2015

UL FILE # E39545

WIRING DIAGRAM # 58, 91, 101, 110, 120, 131, 140 REV 5
X 160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2350 SAT ✓ UNSAT OC
PERFORMED BY OC DATE 6/3/15

**HYDRO TEST OF
COMPLETE BOILER**

P.S.I.G. 100
PERFORMED BY OC
DATE 6/3/15

HEATING ELEMENT TEST

VOLTS 480 AMPS 36.4
TOTAL WATT 30K

CHECKOUT

1. APPEARANCE ✓
2. BLOWDOWN MAN ✓ AUTO OC
3. TRANSFORMER OC
4. CONDENSATE TANK OC
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 15
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 6/3/15

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

Representing Reimers Electra Steam, INC. (Name) Davis E Cobb

DATE 6/3/15 Signature Davis E Cobb

Representing Installer Contractor (Name)

DATE Signature



0031430

Page: 1

Work Order Traveler

SCHEDULED START: 05/26/15

0031430

DUE DATE: 05/29/15

ITEM NUMBER: **RBH30K3F**QUANTITY: ~~3.00~~ 1.00DESCRIPTION: **BOILER RBH 30KW 480V 3PH 100#**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
3	04701	CARTON RB 30W 35L 28.75H SLOT	30	04278	WIRE #10 TGGT PTFE INS. W/GLAS
3	02254	CONNECTOR .375" 2 SCREW NEER	6	04789	WIRE SADDLE NYLON LOCKING
3	02530	CONTACTOR 50A 120V 3P UL/CSA			
3	20838	CONTROLLER 04316-EBC-LED			
3	04781	COUPLING .5" BRASS B16.15 125			
3	20775-11	COVER ELEMENT TERMINALS RB REV			
3	20775-7	COVER RIGHT ELEC BOX RB REV3			
3	04229	DECAL SHEET			
3	04813	DINCONNECTOR/CORD FOR RB BOILE			
3	03923	ELBOW .5" TUBE X .375" NPT SB			
6	04666	ELEMENT 480V 15KW 3P BDIM 18.5			
-6	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
3	02655	FUSE 250V 5A UL/CSA			
-6	02281-TOPOGE	GASKET 2.5"X .125" TOPOG-E			
3	20862	LABEL MAX. TORQUE 40. LB IN /0			
3	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
3	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
6	03077	LOCKWASHER .25" STEEL HELICAL			
3	20840	MANIFOLD FEED WATER SUBASSY RB			
3	04668	NIPPLE .25" X 1.125" BRASS SCH			
3	04787	NUT .25-20 WING ZINC PLATED			
6	01351	NUT .25-20HEX JAM PLATE			
6	04163	PRESSURE CONTROL 60# OPERATING			
3	04296	PRESSURE CONTROL 90# HI LIMIT			
3	20842	PRESSURE CONTROL MANIFOLD RB R			
3	04661	PRESSURE GAUGE 2.0" .25" 0-160			
3	20775-9	PUMP BASE MOUNTING BRACKET			
3	20992	PUMP SUBASSY 03693 120V 1 PH			
3	03344	RECEPTACLE CONN. MALE "AMPHENO			
3	03345	RECEPTACLE FEMALE "AMPHENOL"			
3	04593	SCREW .25-20 X .75 HEX CAP PLA			
3	04760	SCREW 1/4"-20 X .75" PAN HEAD			
24	01291	SCREW 8-32X.25RDHD SLT MCH ZI			
18	01246	SCREW 8-32X.375RDHD MCH PLT SL			
3	04731	STUD PRESS-IN THREADED .25"-20			
3	RB30-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL			
18	04080	TERMINAL RING FOR # 8 AWG WIR			
18	02741	TERMINAL RING 10-12WIRE #10STU			
3	03818	TICKET HOLDER FOR SHOP CLEAR F			
3	02490	VALVE BALL .5" 200# SWP			
3	03346	VALVE BALL .5" W/LATCH 200 SWP			
3	02637	VALVE SAFETY .5" 100# SWP 1" O			