

DC
4/24/15

CRN# 15358.452618

NATL.BD#

72727

SERIAL#

74714

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) 4/24/15

UL FILE # E39545

WIRING DIAGRAM # 58, 91, 101, 110, 120, 131, 140 REV 5
X160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND
TEST: (IAW U.L. 834)
VOLTS 2350 SAT ✓ UNSAT ✓
PERFORMED BY DC DATE 4/24/15

**HYDRO TEST OF
COMPLETE BOILER**
P.S.I.G. 100
PERFORMED BY DC
DATE 4/24/15

HEATING ELEMENT TEST

VOLTS 480 AMPS 36.2
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 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 DC

DATE 4/24/15

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	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET	N/A	X				
MANUAL RESET	<u>DC</u>	X	<u>4/24/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>DC</u>	90	<u>4/24/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>DC</u>	60	<u>4/24/15</u>	TECMARK	3156-EC	04163
OPERATING #2	N/A					
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) Dan E. Coffey

DATE 4/24/15 Signature Dan E. Coffey

Representing Installer Contractor (Name)

DATE Signature

1052



0030912

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Work Order Traveler

SCHEDULED START: 04/20/15

0030912

DUE DATE: 04/22/15

ITEM NUMBER: **RBH30K3F**QUANTITY: ~~2.00~~ = 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
2	04701	CARTON RB 30W 35L 28.75H SLOT			
2	02254	CONNECTOR .375" 2 SCREW NEER			
2	02530	CONTACTOR 50A 120V 3P UL/CSA			
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	03923	ELBOW .5" TUBE X .375" NPT SB			
4	04666	ELEMENT 480V 15KW 3P BDIM 18.5			
-4	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
2	02655	FUSE 250V 5A UL/CSA			
-4	02281-TOPOC	GASKET 2.5"X .125"t 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			
2	04163	PRESSURE CONTROL 60# OPERATING	DC	4/24/15	
2	04296	PRESSURE CONTROL 90# HI LIMIT	DC	4/24/15	
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	04593	SCREW .25-20 X .75 HEX CAP PLA			
2	04760	SCREW 1/4"-20 X .75" PAN HEAD			
16	01291	SCREW 8-32X.25RNDHD SLT MCH ZI			
12	01246	SCREW 8-32X.375RDHD MCH PLT SL			
2	04731	STUD PRESS-IN THREADED .25"-20			
2	RB30-SUBAS	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	DC	4/24/15	
2	02637	VALVE SAFETY .5" 100# SWP 1" O			
20	04278	WIRE #10 TGGT PTFE INS. W/GLAS			
4	04789	WIRE SADDLE NYLON LOCKING			