

CRN#

NATL.BD#

SERIAL#

Reimers®
 Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RB30K3F

MODEL R-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 / 21 / 20 14

UL FILE # E39545

WIRING DIAGRAM #

REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.I. 834)

VOLTS 2350 SAT UNSAT
PERFORMED BY OC DATE 4/21/14

HYDRO TEST OF

COMPLETE BOILER

P.S.I.G. 100
PERFORMED BY OC
DATE 4/21/14

HEATING ELEMENT TEST

VOLTS 480

AMPS 36.1

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

DATE 4/21/14

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	OC	X	OC	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	OC	90	OC	TECMARK	3155-ED	04296
OPERATING #1	OC	60	OC	TECMARK	3156-EC	04163
OPERATING #2	N/A			TECMARK	3156-EC	04163
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name)

Representing Installer Contractor (Name)

DATE 4/21/14 Signature

DATE Signature

2052



0028096

Work Order Traveler

SCHEDULED START: 04/14/14

0028096

DUE DATE: 04/16/14

ITEM NUMBER: **RB30K3F**QUANTITY: ~~2.00~~ 1.00DESCRIPTION: **BOILER RB 30KW 480V 3PH 100# S**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	20654	BRACKET SOLENOID VALVE	12	04080	TERMINAL RING FOR # 8 AWG WIR
2	04462	BUSHING .375 X .25 BRASS SB16	12	02741	TERMINAL RING 10-12WIRE #10STU
2	03944	BUSHING .5 X .375 BRASS (PARKE	2	03818	TICKET HOLDER FOR SHOP CLEAR F
2	04701	CARTON RB 30W 35L 28.75H SLOT	2	02490	VALVE BALL .5" 200# SWP
2	02254	CONNECTOR .375" 2 SCREW NEER	2	03346	VALVE BALL .5" W/LATCH 200 SWP
2	02530	CONTACTOR 50A 120V 3P UL/CSA	2	02637	VALVE SAFETY .5" 100# SWP 1" OOC 4/2/14
2	20838	CONTROLLER 04316-EBC-LED	2	04761	VALVE SOLENOID .375" 120V WATE
2	04781	COUPLING .5" BRASS B16.15 125	20	04278	WIRE #10 TGGT PTFE INS. W/GLAS
2	20775-11	COVER ELEMENT TERMINALS RB REV	4	04789	WIRE SADDLE NYLON LOCKING
2	20775-7	COVER RIGHT ELEC BOX RB REV3			
2	04229	DECAL SHEET			
2	04813	DINCONNECTOR/CORD FOR RB BOILE			
4	02998	ELBOW .375" 90 DEG. BRASS B62			
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			
4	03948	NIPPLE .375 X CLOSE BRASS (PAR			
2	04784	NIPPLE .375" X 4" BRASS ASTM B			
2	04787	NUT .25-20 WING ZINC PLATED			
4	01351	NUT .25-20HEX JAM PLATE			
2	ORF-30	ORIFICE DRILLED #B (.236) FOR			
2	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	20775-8	PUMP BASE SOL VAL. RB REV3			
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			
20	01246	SCREW 8-32X.375RDHD MCH PLT SL			
2	03262	STRAINER .375" Y SB-584 C844			
2	04731	STUD PRESS-IN THREADED .25"-20			
2	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			