

CRN# _____

NATL.BD# _____

SERIAL# _____

Reimers®
 Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RXH54K3F

MODEL RH-54

POWER SUPPLY WIRE SIZE 4

POWER VOLTS 480

CONTROL VOLT 120

PHASE 3

HZ 60

MAX. W.P. 100

KILOWATTS 54

**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 5 / 4 / 20 15

UL FILE # E39545

WIRING DIAGRAM # 03, 11, 20, 50, 60, 71, X, 90, 120, 174, 190 REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2352 SAT ☒ UNSAT ☐PERFORMED BY B5B DATE 5/4/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100PERFORMED BY PCDATE 5/4/15

HEATING ELEMENT TEST

VOLTS 480

AMPS 62.4

TOTAL WATT 54KW

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER N/A
4. CONDENSATE TANK N/A
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. 3
22. ELEMENT VOLT/KW 480/18
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒DATE 5/4/15

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) 189 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

B. Butts

X

5/4/15

REIMERS

04316

04316

PRESSURE CONTROLS

HIGH LIMIT

B. Butts905/4/15

TECMARK

3155-ED

04296

OPERATING #1

B. Butts505/4/15

TECMARK

3156-EC

04163

OPERATING #2

B. Butts455/4/15

TECMARK

3156-EC

04163

TEMPERATURE CONTROLS

HIGH LIMIT

N/A

OPERATING CONTROL

Representing Reimers Electra Steam, INC. (Name) BRAO BUTTSDATE 5/4/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____

10 f 2



0030910

Page: 1

Work Order Traveler

SCHEDULED START: 04/15/15

0030910

ITEM NUMBER: **RXH54K3F**
DESCRIPTION: **BOILER RH 54KW 480V 3PH 100# S**
REVISION: 001
OPTION CODE:

DUE DATE: **04/21/15**QUANTITY: **2.00** *1.00*

UNIT OF MEASUREMENT: EA

MAKE FOR: I/M
PLANNER:



0030910

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SCHEDULED START: 04/15/15

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MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	02616	BLOCK POWER DISTRIBUTION 3-20	6	02613	FUSE BLOCK 600V 30A 3P UL/CSA
2	20350-7A	BRACE ELECTRICAL BOX SS (NEW)	2	02420	GAUGE GLASS 5.875"X.625" PYREX
6	04167	BUSHING .5" X .125" HEX BLACK	2	MBJ-9	GAUGE GLASS SAFETY ROD R-MODEL
2	01128	BUSHING .5X.25 HEX BLACK FORGE	2	02522	GAUGE PROTECTOR 6" U-SHAPE
2	01124	BUSHING .75" X .5" HEX BLACK M	2	04692	GROUND STRAP #4 BRAIDED
2	01121	BUSHING 1" X .5" HEX BLACK MAL	46	02030	INSULATION 2" X 48" X 100' FIB
2	04271	BUSHING 1.25" X .75" HEX BLACK	4	02951	KNOCKOUT SEAL .5" COND 7/8" HO
4	04528	CABLE TIE MOUNT	2	20861	LABEL MAX. TORQUE 10 LB IN Ø
2	03089	CARTON 42W 54L 36.75 500# TEST	2	04301	LABEL NAMEPLATE UL/CSA 3.48 X
2	02207	CEILING PLATE 1.25" PIPE SIZE	30	01345	LOCKWASHER .3125" SPRING/SPLIT
3	02243	CONDUIT 1" FLEXIBLE STEEL U.L.	4	04522	NIPPLE .5" X 1.5" BRASS
12	02244	CONDUIT ALFLEX type SWA 1.25"	4	02787	NIPPLE .5" X 1.5" BLACK EH SA-
7	02240	CONDUIT ALFLEX type SWA .375"	8	02788	NIPPLE .5" X 2" BLACK EH SA-10
8	02246	CONDUIT CONNECTOR .375" 90 DEG	4	02789	NIPPLE .5" X 2.5" BLACK EH SA-
2	03844	CONDUIT CONNECTOR .375" DUPLEX	2	02790	NIPPLE .5" X 3" BLACK EH SA-10
4	02249	CONDUIT CONNECTOR 1" X 90 DEG.	2	02792	NIPPLE .5" X 4" BLACK EH
8	02250	CONDUIT CONNECTOR 1.25" 90 DEG	2	02796	NIPPLE .5" X 6" BLACK EH
2	02747	CONDUIT CONNECTOR 90 DEG.375"d	2	04526	NIPPLE .5" X 6" BRASS SB43 GRO
8	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	2	02786	NIPPLE .5" X CLOSE BLACK EH SA
2	03445	CONTACTOR 35A 120V 2P UL/CSA	2	02807	NIPPLE .75" X 9" BLACK EH SA-1
6	02530	CONTACTOR 50A 120V 3P UL/CSA	4	01180	NIPPLE .75" X CLOSE BLACK EH S
2	20838	CONTROLLER 04316-EBC-LED	2	02806	NIPPLE .75"X6" BLACK EH
2	03021	COUPLING FULL .5" NPT 3000# SA	4	02802	NIPPLE .75X4 BLACK EH SCH80 SA
2	02988	CROSS .5" BLACK MALLEABLE IRON	2	02817	NIPPLE 1.25 X CLOSE BLACK EXHV
2	04525	CROSS .5" BRASS B62 C836	2	02820	NIPPLE 1.25X4 BLACK EH
2	04229	DECAL SHEET	42	01221	NUT .3125-18 HEX MACH. SCREW Z
2	01162	ELBOW .25" BRASS FEMALE SB62 C	24	01168	NUT .625"-11 HEAVY HEX STEEL A
6	01094	ELBOW .5" X 90 DEG. BLACK MALL	8	01147	PIPE PLUG .5" SQUARE HEAD FRGD
6	01133	ELBOW .5X90 DEG. STREET BLACK	2	04776	PIPE PLUG .75" NPT COUNTERSUNK
2	01095	ELBOW .75" X 90 DEG. BLACK MAL	2	01173	PIPE PLUG .75" SQ HEAD BLACK S
2	01097	ELBOW 1.25" X 90 DEG. BLACK MA	4	04163	PRESSURE CONTROL 60# OPERATING
4	02997	ELBOW STREET .25" 90 DEG. SB62	2	04296	PRESSURE CONTROL 90# HI LIMIT
2	20292-14A	ELECTRIC BOX SUPPORT 35 X1.5"	2	20763	PRESSURE CONTROL MANIFOLD R-24
2	20084B	ELECTRICAL ENCLOSURE 26" X 30"	2	02329	PRESSURE GAUGE 2.5" 160#MT23
2	20757	ELECTRICAL PNL ASSY R36-120 LE	2	20062A	PROBE COVER R36-120
6	02188	ELEMENT 480V 18KW 3P SS 304 SH	2	20767	PUMP 05008+02301 ASSY RH24-120
2	03049	FLANGE 2" BLIND 150# A-105	2	20343-4	PUMP PLATE RH 24-120 5 X8
8	02022	FLANGE GASKET 2" RING	8	01246	SCREW 8-32X.375RDHD MCH PLT SL
2	02125	FUSE 250V 15A UL/CSA	2	R-80A	SHELL R70-80 (COMPLETE NEW)
2	02655	FUSE 250V 5A UL/CSA	2	SKID2A	SKID BOILER NEW R:RH:HC 24-80
18	02134	FUSE 600V 30A UL/CSA	4	04529	STANDOFF HEX 1.5" X .375" FOR
6	04282	FUSE BLK COVER 600V 30A UL/CSA	6	04213	SWITCH ILLUMINATED RED W/WHITE

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
4	04400	SYPHON TUBE .25" BRASS SB43 GR			
0	04308	TAPE ALUMINUM FOIL DUCT 60YD R			
10	01104	TEE .5" BLACK MALLEABLE IRON I			
4	04523	TEE .5" BRASS SB62 C836			
4	01103	TEE .75" BLACK MALLEABLE IRON			
2	04564	TEE REDUCING BRASS .5" X .5" X			
18	02176	TERMINAL LUG #8 HOMAC UL/CSA			
1	04276	TERMINAL STRIP 300V 35A 10-22			
2	03818	TICKET HOLDER FOR SHOP CLEAR F			
2	01088	UNION .5" BLACK MALLEABLE IRON			
2	02514	VALVE BALL .75" 200# SWP			
2	03802	VALVE BALL .75" W/LATCH 200# S			
2	03254	VALVE GAUGE TEST .25" SB584 C			
2	02637	VALVE SAFETY .5" 100# SWP 1" O			
2	02396	WATER GAUGE SET STANDARD SHANK			
139	02172	WIRE #10 STRANDED BLACK 600V 5			
20	04439	WIRE #18 TGGT 600V 250C UL/CSA			
2	02209SS	WRAPPER END 20" 20103REV.B 16G			
2	20843	WRAPPER END 20" W/2" HOLE			
2	20054A	WRAPPER R24-80 (NEW)			