

CRN#

NATL.BD#

102780

SERIAL#

102780

**Reimers**

Electra Steam, Inc.

4407 Martinsburg Pike

P: 540-662-3811

Clear Brook, VA 22624

F: 540-665-8101

www.reimersinc.com

sales@reimersinc.com

## NAMEPLATE RATINGS:

PART NUMBER RXH80C3F

MODEL RH-80

POWER SUPPLY WIRE SIZE 350

POWER VOLTS 208

CONTROL VOLT 120

PHASE 3

HZ 60

MAX. W.P. 100

KILOWATTS 80

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

DATE (M/D/Y) 1/14/201

UL FILE # E39545

WIRING DIAGRAM # 04, 12, 20, 50, 60, 71, 80, 90, REV 6  
132, 175, 190

## DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ☒ UNSAT ☐  
PERFORMED BY BSB DATE 1/14/16HYDRO TEST OF  
COMPLETE BOILER

P.S.I.G. 100

PERFORMED BY AC  
DATE 1/14/16

## HEATING ELEMENT TEST

VOLTS 208 AMPS 222.1

TOTAL WATT 80K TEST 240 V 256.8 A

## CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN N/A AUTO ☒
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. 4
22. ELEMENT VOLT/KW 208/20
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

## SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒

DATE 1/14/16

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) 280 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

1/14/16

REIMERS

04316

04316

## PRESSURE CONTROLS

HIGH LIMIT

B. Butts

90

1/14/16

TECMARK

3155-ED

04296

OPERATING #1

B. Butts

80

1/14/16

TECMARK

3156-EC

04163

OPERATING #2

B. Butts

75

1/14/16

TECMARK

3156-EC

04163

## TEMPERATURE CONTROLS

HIGH LIMIT

N/A

OPERATING CONTROL

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTS

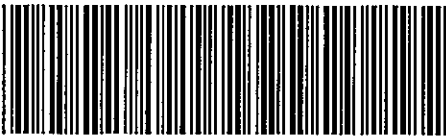
DATE 1/14/16

Signature Brad Butts

Representing Installer Contractor (Name)

DATE

Signature



0032977

Page: 1

## Work Order Traveler

SCHEDULED START: 11/26/15

DUE DATE: 11/30/15

0032977

ITEM NUMBER: **RXH80C3F**QUANTITY: **1.00**DESCRIPTION: **BOILER RH 80 208V 3PH 100# SAF**

UNIT OF MEASUREMENT: EA

REVISION: 002

OPTION CODE:

MAKE FOR: I/M

PLANNER:

| QTY | PART      | DESCRIPTION                                        | QTY | PART    | DESCRIPTION                                        |
|-----|-----------|----------------------------------------------------|-----|---------|----------------------------------------------------|
| 1   | 02618     | BLOCK POWER DISTRIBUTION 3/500                     | 12  | 02176   | TERMINAL LUG #8 HOMAC UL/CSA                       |
| 1   | 01121     | BUSHING 1" X .5" HEX BLACK MAL                     | 1   | 03818   | TICKET HOLDER FOR SHOP CLEAR F                     |
| 1   | 01118     | BUSHING 1.25" X 1" HEX BLACK M                     | 1   | 01088   | UNION .5" BLACK MALLEABLE IRON                     |
| 1   | 02204     | CEILING PLATE .500                                 | 1   | 02490   | VALVE BALL .5" 200# SWP                            |
| 1   | 02206     | CEILING PLATE 1" PIPE SIZE                         | 1   | 02515   | VALVE BALL 1" 200 SWP SB584 C8                     |
| 4   | 02244     | CONDUIT ALFLEX type SWA 1.25"                      | 1   | 02637   | VALVE SAFETY .5" 100# SWP 1" O <i>BSB 11/14/16</i> |
| 4   | 02240     | CONDUIT ALFLEX type SWA .375"                      | 2   | 02209SS | WRAPPER END 20" 20103REV.B 16G                     |
| 2   | 02246     | CONDUIT CONNECTOR .375" 90 DEG                     |     |         | OPT1016-R80B                                       |
| 4   | 02250     | CONDUIT CONNECTOR 1.25" 90 DEG                     |     |         |                                                    |
| 2   | 02747     | CONDUIT CONNECTOR 90 DEG.375"d                     |     |         |                                                    |
| 8   | 02266     | CONDUIT SLEEVE .375" REDEYE                        | 1   | 03089   | <i>Carton</i>                                      |
| 4   | 02956     | CONDUIT SLEEVE 1.25" T&B UL/CSA                    |     |         |                                                    |
| 1   | 03445     | CONTACTOR 35A 120V 2P UL/CSA <i>BSB 11/14/16</i>   |     |         |                                                    |
| 4   | 02539     | CONTACTOR 75A 120V 3P UL/CSA                       |     |         |                                                    |
| 1   | 20838     | CONTROLLER 04316-EBC-LED                           |     |         |                                                    |
| 1   | 03021     | COUPLING FULL .5" NPT 3000# SA                     |     |         |                                                    |
| 1   | 04229     | DECAL SHEET                                        |     |         |                                                    |
| 3   | 01094     | ELBOW .5" X 90 DEG. BLACK MALL                     |     |         |                                                    |
| 1   | 20757     | ELECTRICAL PNL ASSY R36-120 LE                     |     |         |                                                    |
| 4   | 02600     | ELEMENT 208V 20KW 3PH. SS 304                      |     |         |                                                    |
| 36  | 04076     | FERRULES AWG 8                                     |     |         |                                                    |
| 4   | 02022     | FLANGE GASKET 2" RING                              |     |         |                                                    |
| 1   | 02125     | FUSE 250V 15A UL/CSA                               |     |         |                                                    |
| 1   | 02655     | FUSE 250V 5A UL/CSA                                |     |         |                                                    |
| 12  | 05329     | FUSE 250V 70A K5 UL/CSA                            |     |         |                                                    |
| 4   | 02144     | FUSE BLOCK 250V 100A 3P UL/CSA                     |     |         |                                                    |
| 1   | 04692     | GROUND STRAP #4 BRAIDED                            |     |         |                                                    |
| 1   | 20861     | LABEL MAX. TORQUE 10. LB IN /O                     |     |         |                                                    |
| 1   | 04301     | LABEL NAMEPLATE UL/CSA 3.48 X                      |     |         |                                                    |
| 2   | 02787     | NIPPLE .5" X 1.5" BLACK EH SA-                     |     |         |                                                    |
| 1   | 02790     | NIPPLE .5" X 3" BLACK EH SA-10                     |     |         |                                                    |
| 1   | 02791     | NIPPLE .5" X 3.5" BLACK EH                         |     |         |                                                    |
| 2   | 02786     | NIPPLE .5" X CLOSE BLACK EH SA                     |     |         |                                                    |
| 1   | 01217     | NIPPLE 1" X 4" BLACK EH SA-106                     |     |         |                                                    |
| 1   | 04472     | PIPE PLUG .125" NPT HEX SOCKET                     |     |         |                                                    |
| 2   | 04163     | PRESSURE CONTROL 60# OPERATING <i>BSB 11/14/16</i> |     |         |                                                    |
| 1   | 04296     | PRESSURE CONTROL 90# HI LIMIT <i>BSB 11/14/16</i>  |     |         |                                                    |
| 1   | 02329     | PRESSURE GAUGE 2.5" 160#MT23                       |     |         |                                                    |
| 1   | R80-SUBAS | RX36-80 SUBASSEMBLY                                |     |         |                                                    |
| 1   | SKID2A    | SKID BOILER NEW R;RH;RHC 24-80                     |     |         |                                                    |
| 4   | 04213     | SWITCH ILLUMINATED RED W/WHITE                     |     |         |                                                    |
| 1   | 04592     | TERMINAL LUG #1/0-#2 HOMAC UL                      |     |         |                                                    |