

CRN#

NATL.BD#

72788

SERIAL#

74775

**Reimers**<sup>®</sup>

Electra Steam, Inc.

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## NAMEPLATE RATINGS:

PART NUMBER RX36K3A

MODEL R-36

POWER SUPPLY WIRE SIZE 6

POWER VOLTS 480

CONTROL VOLT 120

PHASE 3

HZ 60

MAX. W.P. 100

KILOWATTS 36

CERTIFICATION & REPORTING (CG-500) CSD-1  
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 5/12/15

UL FILE # E39545

WIRING DIAGRAM # \_\_\_\_\_ REV \_\_\_\_\_

## DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2352 SAT ✓ UNSAT \_\_\_\_\_  
PERFORMED BY BSB DATE 5/12/15HYDRO TEST OF  
COMPLETE BOILERP.S.I.G. 15  
PERFORMED BY PC  
DATE 5/12/15

## HEATING ELEMENT TEST

VOLTS 480

AMPS 41.5

TOTAL WATT 36K

## 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. 2
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 5/12/15

MANUFACTURER CONBRACO

Model # 19-KEDA-15BHSTEAM BOILER ☒HOT WATER BOILER ☐MAX. W. P. 15 PSIG (VALVE ASME PLATE)

MAX. W. P. \_\_\_\_\_ PSIG (VALVE ASME PLATE)

CAPACITY 310 PPH (VALVE ASME PLATE)

CAPACITY \_\_\_\_\_ BTU/HR (VALVE ASME PLATE)

SIZE 3/4 IN

SIZE \_\_\_\_\_ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 126 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

5/12/15

REIMERS

04316

04316

## PRESSURE CONTROLS

HIGH LIMIT

B. Butts13.55/12/15

TECMARK

3160-EQ05077

OPERATING #1

B. Butts75/12/15

TECMARK

3160-EP04162

OPERATING #2

## TEMPERATURE CONTROLS

HIGH LIMIT

N/A

OPERATING CONTROL

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 5/12/15 Signature Brad Butts

Representing Installer Contractor (Name) \_\_\_\_\_

DATE \_\_\_\_\_ Signature \_\_\_\_\_



0031053

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## Work Order Traveler

SCHEDULED START: 05/05/15

DUE DATE: 05/06/15

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0031053

ITEM NUMBER: **RX36K3A**  
DESCRIPTION: **BOILER R 36KW 480V 3PH 15# SAF**  
REVISION: 001  
OPTION CODE:

MAKE FOR: I/M  
PLANNER:

| QTY | PART      | DESCRIPTION                     | QTY | PART   | DESCRIPTION                    |
|-----|-----------|---------------------------------|-----|--------|--------------------------------|
| 1   | 02616     | BLOCK POWER DISTRIBUTION 3-20   | 2   | 02951  | KNOCKOUT SEAL .5" COND 7/8" HO |
| 1   | 20350-7A  | BRACE ELECTRICAL BOX SS (NEW)   | 1   | 20861  | LABEL MAX TORQUE 10. LB IN 40  |
| 1   | 20350-14  | BRACE SOLENOID R MODEL 24-80 /  | 1   | 04301  | LABEL NAMEPLATE UL/CSA 3.48 X  |
| 1   | 01128     | BUSHING .5X.25 HEX BLACK FORGE  | 15  | 01345  | LOCKWASHER .3125" SPRING/SPLIT |
| 1   | 01120     | BUSHING 1" X .75" HEX BLACK MA  | 2   | 04522  | NIPPLE .5 X 1.5" BRASS         |
| 1   | 01118     | BUSHING 1.25" X 1" HEX BLACK M  | 1   | 02788  | NIPPLE .5" X 2" BLACK EH SA-10 |
| 2   | 04528     | CABLE TIE MOUNT                 | 1   | 02789  | NIPPLE .5" X 2.5" BLACK EH SA- |
| 1   | 03089     | CARTON 42W 54L 36.75 500# TEST  | 1   | 02792  | NIPPLE .5" X 4" BLACK EH       |
| 1   | 02207     | CEILING PLATE 1.25" PIPE SIZE   | 1   | 02796  | NIPPLE .5" X 6" BLACK EH       |
| 3   | 02244     | CONDUIT ALFLEX type SWA 1.25"   | 1   | 04526  | NIPPLE .5" X 6" BRASS SB43 GRO |
| 3   | 02240     | CONDUIT ALFLEX type SWA .375"   | 6   | 02786  | NIPPLE .5" X CLOSE BLACK EH SA |
| 4   | 02246     | CONDUIT CONNECTOR .375" 90 DEG  | 1   | 02799  | NIPPLE .75" X 2" BLACK EH SA-1 |
| 2   | 02252     | CONDUIT CONNECTOR .375" STR     | 1   | 02800  | NIPPLE .75" X 2.5" BLACK EH SA |
| 2   | 02250     | CONDUIT CONNECTOR 1.25" 90 DEG  | 1   | 02807  | NIPPLE .75" X 9" BLACK EH SA-1 |
| 2   | 02956     | CONDUIT SLEEVE 1.25" T&B UL/CS  | 2   | 01180  | NIPPLE .75" X CLOSE BLACK EH S |
| 1   | 03445     | CONTACTOR 35A 120V 2P UL/CSA    | 1   | 02806  | NIPPLE .75"X6" BLACK SA-106 SE |
| 2   | 02530     | CONTACTOR 50A 120V 3P UL/CSA    | 1   | 02802  | NIPPLE .75X4 BLACK EH SCH80 SA |
| 1   | 20838     | CONTROLLER 04316-EBC-LED        | 1   | 01217  | NIPPLE 1" X 4" BLACK EH SA-106 |
| 1   | 03022     | COUPLING FULL .75" NPT SA105    | 1   | 02818  | NIPPLE 1.25X2 BLACK EXHEAVYAST |
| 1   | 02988     | CROSS .5" BLACK MALLEABLE IRON  | 1   | 02820  | NIPPLE 1.25X4 BLACK EH         |
| 1   | 04525     | CROSS .5" BRASS B62 CR36        | 21  | 01221  | NUT .3125-18 HEX MACH. SCREW Z |
| 1   | 04229     | DECAL SHEET                     | 8   | 01168  | NUT .625"-11 HEAVY HEX STEEL A |
| 1   | 01162     | ELBOW .25" BRASS FEMALE SB62 C  | 4   | 01147  | PIPE PLUG .5" SQUARE HEAD FRGD |
| 4   | 01133     | ELBOW .5X.90 DEG. STREET BLACK  | 1   | 04776  | PIPE PLUG .75" NPT COUNTERSUNK |
| 1   | 01095     | ELBOW .75" X 90 DEG. BLACK MAL  | 1   | 01173  | PIPE PLUG .75" SQ HEAD BLACK S |
| 1   | 01097     | ELBOW 1.25" X 90 DEG. BLACK MA  | 1   | 05077  | PRESSURE CONTROL 13.5# HIGH LI |
| 2   | 02997     | ELBOW STREET .25" 90 DEG. SB62  | 1   | 04162  | PRESSURE CONTROL 5# OPERATING  |
| 1   | 20292-14A | ELECTRIC BOX SUPPORT 35 X1.5"   | 1   | 20763  | PRESSURE CONTROL MANIFOLD R-24 |
| 1   | 20084B-13 | ELECTRICAL BOX POWER INLET ADA  | 1   | 02451  | PRESSURE GAUGE 2.5" 0-30#      |
| 1   | 20084B    | ELECTRICAL ENCLOSURE 26" X 30"  | 1   | 20062A | PROBE COVER R36-120            |
| 1   | 20757     | ELECTRICAL PNL ASSY R36-120 LE  | 1   | R-80A  | SHELL R70-80 (COMPLETE NEW)    |
| 2   | 02188     | ELEMENT 480V 18KW 3P SS 304 SH  | 1   | SKID2A | SKID BOILER NEW R36HRC 24-80   |
| 2   | 02022     | FLANGE GASKET 2" RING           | 2   | 04529  | STANDOFF HEX 1.5" X .375" FOR  |
| 1   | 02170     | FUSE 250V 3A UL/CSA             | 1   | 03325  | STRAINER .5" Y SB-62 UNS CR360 |
| 1   | 02655     | FUSE 250V 5A UL/CSA             | 2   | 04213  | SWITCH ILLUMINATED RED W/WHITE |
| 6   | 02134     | FUSE 600V 30A UL/CSA            | 2   | 04400  | SYPHON TUBE .25" BRASS SB43 GR |
| 3   | 04282     | FUSE BLK COVER 600V 30A UL/CSA  | 0   | 04308  | TAPE ALUMINUM FOIL DUCT 60YD R |
| 2   | 02613     | FUSE BLOCK 600V 30A 3P UL/CSA   | 5   | 01104  | TEE .5" BLACK MALLEABLE IRON 1 |
| 1   | 02420     | GAUGE GLASS 5.875"X.625" PYREX  | 2   | 04523  | TEE .5" BRASS SB62 CR36        |
| 1   | MBJ-9     | GAUGE GLASS SAFETY ROD R-MODEL  | 2   | 01103  | TEE .75" BLACK MALLEABLE IRON  |
| 1   | 02522     | GAUGE PROTECTOR 6" U-SHAPE      | 1   | 04564  | TEE REDUCING BRASS .5" X .5" X |
| 26  | 02030     | INSULATION 2" X .48" X 100' FIB | 6   | 02176  | TERMINAL LUG #8 HOMAC UL/CSA   |



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SCHEDULED START: 05/05/15

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0031053

ITEM NUMBER: **RX36K3A**  
DESCRIPTION: **BOILER R 36KW 480V 3PH 15# SAF**  
REVISION: 001  
OPTION CODE:

MAKE FOR: I/M  
PLANNER:

| QTY | PART    | DESCRIPTION                    | QTY | PART | DESCRIPTION |
|-----|---------|--------------------------------|-----|------|-------------|
| 0   | 04276   | TERMINAL STRIP 300V 35A 10-22  |     |      |             |
| 1   | 03818   | TICKET HOLDER FOR SHOP CLEAR F |     |      |             |
| 1   | 01088   | UNION .5" BLACK MALLEABLE IRON |     |      |             |
| 1   | 02490   | VALVE BALL .5" 200# SWP        |     |      |             |
| 1   | 03802   | VALVE BALL .75" W/LATCH 200# S |     |      |             |
| 1   | 02515   | VALVE BALL 1" 200 SWP SB584 CS |     |      |             |
| 1   | 02462   | VALVE CHECK .5" 125# SWP SWING |     |      |             |
| 1   | 02692   | VALVE CHECK .5" BALLCONE SPRIN |     |      |             |
| 1   | 03254   | VALVE GAUGE TEST .25" SB584 C  |     |      |             |
| 1   | 02010   | VALVE SAFETY .75" 15# SWP 1" O |     |      |             |
| 1   | 02301   | VALVE SOLENOID .5" 120V 60 HZ  |     |      |             |
| 1   | 02396   | WATER GAUGE SET STANDARD SHANK |     |      |             |
| 10  | 04439   | WIRE #18 TGGT 600V 250C ULCSA  |     |      |             |
| 1   | 02209SS | WRAPPER END 20" 20103REV.B 16G |     |      |             |
| 1   | 20843   | WRAPPER END 20" W/2" HOLE      |     |      |             |
| 1   | 20054A  | WRAPPER R24-80 (NEW)           |     |      |             |
| 1   | 02125   | FUSE 250V 15A                  |     |      |             |