

# STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 139836

SERIAL # 139836

DATE (M/D/Y) 8/30/2024

CRN # \_\_\_\_\_



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## NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER ARH8E1F

MODEL AR8

POWER SUPPLY VOLTAGE 240

CONTROL VOLTAGE 120

PHASE 1

FREQUENCY (HZ) 60

MAX. W.P. 100

KILOWATTS 8KW

POWER SUPPLY WIRE SIZE 10

(TO BE COMPLETED BY THE ENGINEERING DEPARTMENT)

WIRE DIAGRAM NO.

02, 10, X, 30, 41, X

REV \_\_\_\_\_

## TESTING SEQUENCE (TO BE COMPLETED BY THE QUALITY CONTROL MANAGER/CERTIFIED INDIVIDUAL)

### A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY B. Butts DATE 8/30/24 SATISFACTORY YES ☒ NO ☐

### B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 1200 PERFORMED BY B. Butts DATE 8/30/24 SATISFACTORY YES ☒ NO ☐

### C. SAFETY RELIEF VALVE:

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) 28 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) \_\_\_\_\_ BTU/HR

MAX. TEMPERATURE \_\_\_\_\_ °F

OPERATIONAL TEST PERFORMED BY B. Butts DATE 8/30/24 SATISFACTORY YES ☒ NO ☐

### D. HEATING ELEMENT TESTING: AMPS 32.3

VOLTS 240 TOTAL kW 8

PERFORMED BY B. Butts DATE 8/30/24 SATISFACTORY YES ☒ NO ☐

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

|                      | OPERATIONAL TEST | SETTING   | DATE           | MANUFACTURER   | MFG. MODEL #    | PART#        |
|----------------------|------------------|-----------|----------------|----------------|-----------------|--------------|
| LOW WATER CUTOFF     | PERFORMED BY     | PSI/°F    |                |                |                 |              |
| AUTO RESET           | <u>N/A</u>       | <u>X</u>  |                |                |                 |              |
| MANUAL RESET         | <u>B. Butts</u>  | <u>X</u>  | <u>8/30/24</u> | <u>REIMERS</u> | <u>04316</u>    | <u>04316</u> |
| PRESSURE CONTROLS    |                  |           |                |                |                 |              |
| HIGH LIMIT           | <u>B. Butts</u>  | <u>90</u> | <u>8/30/24</u> | <u>TECMARK</u> | <u>03155-ED</u> | <u>04296</u> |
| OPERATING #1         | <u>B. Butts</u>  | <u>60</u> | <u>8/30/24</u> | <u>TECMARK</u> | <u>03156-EC</u> | <u>04163</u> |
| OPERATING #2         | <u>N/A</u>       |           |                |                |                 |              |
| TEMPERATURE CONTROLS |                  |           |                |                |                 |              |
| HIGH LIMIT           | <u>N/A</u>       |           |                |                |                 |              |
| OPERATING CONTROL    |                  |           |                |                |                 |              |

F. CHECKOUT: CHECKOUT LIST NO. \_\_\_\_\_ SATISFACTORY YES ☐ NO ☐

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

DATE 8/30/24 Signature Brad Butts

Rep. Installer Contractor (Name) \_\_\_\_\_

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



Reimers Electra Steam  
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## Replacement Parts List

**Model Number: ARH8E1F**

**BOILER AR812, 8KW 240V 1PH 100  
W/PUMP**

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| <u>Part Number</u> | <u>Description</u>                         |
|--------------------|--------------------------------------------|
| 03445              | CONTACTOR 35A 120V 2P DEFINITE             |
| MBJ135             | ELECTRODE FITTING 135 MM/5.3"              |
| 04313              | ELEMENT 240V 4000W 1P INCOLOY              |
| 02281              | FLANGE GASKET 2.5" SQUARE 1/16             |
| 03431              | FUSE 250V 5A 3AG GLASS 312 SER             |
| 02396              | GAUGE FIXTURE SET .5" NPT BRZ              |
| 05594              | GAUGE GLASS .625" X 4" DURAN H             |
| 04163              | PRESSURE CONTROL 60# OPERATING             |
| 04296              | PRESSURE CONTROL 90# HI LIMIT              |
| 04661              | PRESSURE GAUGE 2" 0-160# BRZ .             |
| 04316-RB           | RELAY SOLID STATE 120V 30A 1P              |
| 20592              | RESET SWITCH & WIRE TO RELAY J J,JG BOILER |
| 21036              | SHURFLO PUMP WITH TERMINAL BOX             |
| 02692              | VALVE CHECK .5" NPT BRZ 125# W             |
| 02637              | VALVE SAFETY .5" NPT BRZ 100#              |
| 05604              | VALVE SOLENOID .375" BRZ 120/6             |

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