

# STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 114031

SERIAL # 114031

DATE (M/D/Y) 3/16/2018

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



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## NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER RBH20E3F

MODEL RH-20

POWER SUPPLY VOLTAGE 240

CONTROL VOLTAGE 120

PHASE 3

FREQUENCY (HZ) 60

MAX. W.P. 100

KILOWATTS 20

POWER SUPPLY WIRE SIZE 6

(TO BE COMPLETED BY THE ENGINEERING DEPARTMENT)

WIRE DIAGRAM NO. 170,180  
06,91,101,110,120,131,140,X 160 REV 5

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

### A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY BB DATE 3/16/18 SATISFACTORY YES ☒ NO ☐

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

VOLTS 1200 PERFORMED BY DC DATE 3/16/18 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) 70 PPH

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

OPERATIONAL TEST PERFORMED BY DC

MAX. TEMPERATURE \_\_\_\_\_ °F  
DATE 3/16/18 SATISFACTORY YES ☒ NO ☐

### D. HEATING ELEMENT TESTING: AMPS 47.4

VOLTS 240 TOTAL KW 20K

PERFORMED BY DC DATE 3/16/18 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>DC</u>        | <u>X</u>  | <u>3/16/18</u> | <u>REIMERS</u> | <u>04316</u>    | <u>04316</u> |
| PRESSURE CONTROLS    |                  |           |                |                |                 |              |
| HIGH LIMIT           | <u>DC</u>        | <u>90</u> | <u>3/16/18</u> | <u>TECMARK</u> | <u>03155-ED</u> | <u>04296</u> |
| OPERATING #1         | <u>DC</u>        | <u>80</u> | <u>3/16/18</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 ☐

WO# 39233

Rep. Reimers Electra Steam, INC. (Name) Darin Goff

DATE 3/16/18 Signature [Signature]

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

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



Reimers Electra Steam  
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## Replacement Parts List

Model Number: RBH20E3F

**BOILER RBH 20KW 240V 3 PH 100#  
SAFETY W/PUMP**

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| <u>Part Number</u> | <u>Description</u>             |
|--------------------|--------------------------------|
| 02622              | BLOCK POWER DISTRIBUTION 2-2/0 |
| 02539              | CONTACTOR 75A 120V 3P UL/CSA   |
| 20838              | CONTROLLER 04316-EBC-LED       |
| MBJ057             | ELECTRODE FITTING 057 MM/2.25" |
| MBJ135             | ELECTRODE FITTING 135 MM/5.3"  |
| MBJ147             | ELECTRODE FITTING 147 MM/5.8"  |
| 04165              | ELEMENT 240V 10KW 3PH B-DIM.=1 |
| 02655              | FUSE 250V 5A UL/CSA            |
| 02281              | GASKET 2.5" SQUARE .0625 THICK |
| 04569              | GAUGE GLASS .625" X 4.125" PYR |
| OPT1008            | OPTIONAL INSTALLED SINGLE PHAS |
| 04163              | PRESSURE CONTROL 60# OPERATING |
| 04296              | PRESSURE CONTROL 90# HI LIMIT  |
| 04661              | PRESSURE GAUGE 2.0" .25" 0-160 |
| 03693              | PUMP 120V 1PH 8000-812-280 UL/ |
| 20992              | PUMP SUBASSY 03693 120V 1 PH   |
| 21036              | SHURFLO PUMP WITH TERMINAL BOX |
| 02472              | VALVE BALL .25" 200# SWP BRZ S |
| 02490              | VALVE BALL .5" NPT 200# SWP BR |
| 03346              | VALVE BALL .5" NPT W/LATCH 200 |
| 02692              | VALVE CHECK .5" BRZ 125# SWP B |
| 02637              | VALVE SAFETY .5" 100# SWP 1" O |
| 04761              | VALVE SOLENOID .375" BRZ 120/6 |
| 02396              | WATER GAUGE SET STANDARD SHANK |