

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 139833

SERIAL # 139833

DATE (M/D/Y) 6 / 5 / 20 25

CRN # _____



4407 Martinsburg Pike P: 540-662-3811
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NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER AR8E1A
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, 40, X

REV _____

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

A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 15 PERFORMED BY B. Butts DATE 6/5/25 SATISFACTORY YES ☒ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 1200 PERFORMED BY B. Butts DATE 6/5/25 SATISFACTORY YES ☒ NO ☐

C. SAFETY RELIEF VALVE: MANUFACTURER CONBRACO Model # 19-KEDA-15BH

STEAM 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) 28 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) _____ BTU/HR

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST PERFORMED BY B. Butts DATE 6/5/25 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 30.5 VOLTS 240 TOTAL KW 8

PERFORMED BY B. Butts DATE 6/5/25 SATISFACTORY YES ☒ NO ☐

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

LOW WATER CUTOFF	OPERATIONAL TEST	SETTING	DATE	MANUFACTURER	MFG. MODEL #	PART#
AUTO RESET	PERFORMED BY N/A	PSI/°F X				
MANUAL RESET	<u>B. Butts</u>	X	<u>6/5/25</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	13.5	<u>6/5/25</u>	TECMARK	3160-EQ	05077
OPERATING #1	<u>B. Butts</u>	10	<u>6/5/25</u>	TECMARK	3160-EP	04162
OPERATING #2	N/A					
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

F. CHECKOUT: CHECKOUT LIST NO. _____ SATISFACTORY YES ☐ NO ☐

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

Rep. Installer Contractor (Name) _____

DATE 6/5/25 Signature Brad Butts

DATE _____ Signature _____



Reimers Electra Steam
4407 Martinsburg Pike
Clear Brook, VA 22624

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Replacement Parts List

Model Number: AR8E1A

**BOILER AR812, 8KW 240V 1PH 15
SAFETY**

<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
05077	PRESSURE CONTROL 13.5# HIGH LI
04162	PRESSURE CONTROL 5# OPERATING
02451	PRESSURE GAUGE 2.5" 0-30# BRZ
04316-RB	RELAY SOLID STATE 120V 30A 1P
20592	RESET SWITCH & WIRE TO RELAY J J,JG BOILER
02692	VALVE CHECK .5" NPT BRZ 125# W
02010	VALVE SAFETY .75" NPT BRZ 15#
05604	VALVE SOLENOID .375" BRZ 120/6