

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 139512

SERIAL # 139512

DATE (M/D/Y) 6 / 5 / 20 24

WIRE DIAGRAM NO. _____ REV 5

CRN # _____



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

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER RE20E3F

MODEL R-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)

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

A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY mm DATE 6-5-24 SATISFACTORY YES ☒ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 1200 PERFORMED BY mm DATE 6-5-24 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) 70 PPH

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

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST PERFORMED BY mm DATE 6-5-24 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 48.0 VOLTS 240 TOTAL KW 20K

PERFORMED BY mm DATE 6-5-24 SATISFACTORY YES ☒ NO ☐

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

	OPERATIONAL TEST	SETTING	DATE	MANUFACTURER	MFG. MODEL #	PART#
<u>LOW WATER CUTOFF</u>	PERFORMED BY	PSI/°F				
AUTO RESET	<u>N/A</u>	<u>X</u>				
MANUAL RESET	<u>mm</u>	<u>X</u>	<u>6-5-24</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
<u>PRESSURE CONTROLS</u>						
HIGH LIMIT	<u>mm</u>	<u>90</u>	<u>6-5-24</u>	<u>TECMARK</u>	<u>03155-ED</u>	<u>04296</u>
OPERATING #1	<u>mm</u>	<u>80</u>	<u>6-5-24</u>	<u>TECMARK</u>	<u>03156-EC</u>	<u>04163</u>
OPERATING #2	<u>N/A</u>					
<u>TEMPERATURE CONTROLS</u>						
HIGH LIMIT	<u>N/A</u>					
OPERATING CONTROL						

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

Rep. Reimers Electra Steam, INC. (Name) Marshall M Farland

DATE 6-5-24 Signature Marshall M Farland

Rep. Installer Contractor (Name) _____

DATE _____ Signature _____



Reimers Electra Steam
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Clear Brook, VA 22624

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Replacement Parts List

Model Number: RE20E3F

BOILER RE 20KW 240V 3PH 100#

<u>Part Number</u>	<u>Description</u>
02530	CONTACTOR 50A 120V 3P DEFINITE
MBJ135	ELECTRODE FITTING 135 MM/5.3"
04165	ELEMENT 240V 10KW 3P INCOLOY 8
02281	FLANGE GASKET 2.5" SQUARE 1/16
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
02299	PRESSURE GAUGE 2" 0-160# 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
02637	VALVE SAFETY .5" NPT BRZ 100#
05604	VALVE SOLENOID .375" BRZ 120/6
21306	WIRE 8 AWG RIGHT ELEMENT RE
21307	WIRE 8 AWG LEFT ELEMENT RE
OPT1009-240RBH	OPT TRANSFORMER .25KVA 240/120