

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 139528

SERIAL # 139528

DATE (M/D/Y) 6/3/2025

WIRE DIAGRAM NO. _____

REV _____

CRN # _____



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NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER HLR45K3C

MODEL HLR-45

POWER SUPPLY VOLTAGE 480

CONTROL VOLTAGE 120

PHASE 3

FREQUENCY (HZ) 60

MAX. W.P. _____

KILOWATTS 45

POWER SUPPLY WIRE SIZE 4

(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 N/A PERFORMED BY N/A DATE N/A SATISFACTORY YES ☐ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 2352 PERFORMED BY B. Butts DATE 5/3/25 SATISFACTORY YES ☒ NO ☐

C. SAFETY RELIEF VALVE:

MANUFACTURER CONBRACO Model # RVW60-3450

STEAM BOILER ☐

HOT WATER BOILER ☒

MAX. W. P. _____ PSIG (VALVE ASME PLATE)

MAX. W. P. 50 PSIG (VALVE ASME PLATE)

CAPACITY _____ PPH (VALVE ASME PLATE)

CAPACITY 4,209,000 BTU/HR (VALVE ASME PLATE)

SIZE _____ IN

SIZE 3/4 IN

REQUIRED CAPACITY (PPH = 3.5 x kW) _____ PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) 153540 BTU/HR

MAX. TEMPERATURE 250 °F

OPERATIONAL TEST PERFORMED BY B. Butts DATE 6/3/25 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 53.4

VOLTS 480 TOTAL kW 45

PERFORMED BY B. Butts DATE 6/3/25 SATISFACTORY YES ☒ NO ☐

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

	OPERATIONAL TEST	SETTING		MANUFACTURER	MFG. MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F	DATE			
AUTO RESET		X				
MANUAL RESET	<u>B. Butts</u>	X	<u>6/3/25</u>	<u>REIMERS</u>		<u>04316-20</u>
PRESSURE CONTROLS						
HIGH LIMIT						
OPERATING #1						
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	<u>250</u>	<u>6/3/25</u>	<u>RESIDEO</u>	<u>L4008E1040</u>	<u>02599</u>
OPERATING CONTROL	<u>B. Butts</u>	<u>190</u>	<u>6/3/25</u>	<u>RESIDEO</u>	<u>L4008A1015</u>	<u>02378</u>

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

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

DATE 5/3/25 Signature Brad Butts

Rep. Installer Contractor (Name) _____

DATE _____ Signature _____



Reimers Electra Steam
4407 Martinsburg Pike
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Replacement Parts List

Model Number: HLR45K3C

BOILER HLR45 480V 3PH 50#

SAFETY

<u>Part Number</u>	<u>Description</u>
02378	AQUASTAT L4008A 1015 HW 100-24
02599	AQUASTAT L4008E 1040 HW HI LIM
03445	CONTACTOR 35A 120V 2P DEFINITE
02530	CONTACTOR 50A 120V 3P DEFINITE
MBJ057	ELECTRODE FITTING 057 MM/2.25"
20721-HLR	ELECTRONIC BOILER CONTROL ASSY HLR
04666	ELEMENT 480V 15KW 3P INCOLOY 8
02281	FLANGE GASKET 2.5" SQUARE 1/16
02125	FUSE 250V 15A CLASS K5 FAST-AC
04574	FUSE 250V 3A CLASS RK5 TIME DE
02134	FUSE 600V 30A CLASS K5 FAST-AC
05821	PRESSURE GAUGE 2.5" 0-100# BRZ
05012	STEP CONTROL 4 STEP HONEYWELL
03201	VALVE AIR COCK .25" NPT BRZ TE
02657	VALVE SAFETY .75" NPT BRZ 100#
02172	WIRE STRD #10 BLACK TEW
OPT1010-480HLR	TRANSFORMER 0.5KVA 480/120V
