

CRN# _____

NATL.BD# 72623SERIAL# 74610**Reimers**
Electra Steam, Inc.4407 Martinsburg Pike P: 540-662-3811
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NAMEPLATE RATINGS:

PART NUMBER RBHC20E3F
MODEL RH-20
POWER SUPPLY WIRE SIZE 6
POWER VOLTS 240
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 20CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 5/18/2015UL FILE # E39545WIRING DIAGRAM # 16, 91, 102, 110, 120, 131, 140, X 160, 150, 180 REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ☒ UNSAT ☐
PERFORMED BY DC DATE 5/18/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100
PERFORMED BY DC
DATE 5/18/15

HEATING ELEMENT TEST

VOLTS 240 AMPS 47.2
TOTAL WATT 20K

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO ☐
3. TRANSFORMER ☒
4. CONDENSATE TANK ☒
5. CONTROLS ☒
6. FEED WATER VALVES ☒
7. INSTRUCTION MANUAL ☒
8. LEAK INSPECTION ☒
9. PAINT ☒
10. PANEL ☒
11. PIPES ☒
12. SHEET METAL ☒
13. STEAM VALVE ☒
14. STEAM GAUGE ☒
15. STRAINER ☒
16. CHECK TORQUE ON TERMINAL STRIPS,
CONTACTORS AND FUSE BLOCKS ☒
17. WARNING LABELS ☒
18. WATER GAUGE FITTINGS ☒
19. WIRE TERMINALS TIGHT ☒
20. WIRING DIA. ☒
21. ELEMENT QTY. 2
22. ELEMENT VOLT/KW 240 10
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED DCDATE 5/18/15MANUFACTURER CONBRACOModel # 29-202A-100STEAM 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) 105 PPH

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

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST		SETTING				
LOW WATER CUTOFF	PERFORMED BY	PSI/°F	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET	<u>N/A</u>	<u>X</u>	<u>5/18/15</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
MANUAL RESET	<u>DC</u>	<u>X</u>	<u>5/18/15</u>	<u>TECMARK</u>	<u>3155-ED</u>	<u>04296</u>
PRESSURE CONTROLS						
HIGH LIMIT	<u>DC</u>	<u>90</u>	<u>5/18/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>
OPERATING #1	<u>DC</u>	<u>60</u>	<u>5/18/15</u>			
OPERATING #2	<u>N/A</u>					
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>N/A</u>					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) David E. Coff

Representing Installer Contractor (Name) _____

DATE 5/18/15 Signature David E. Coff

DATE _____ Signature _____



0031150

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Work Order Traveler

SCHEDULED START: 05/13/15

DUE DATE: 05/14/15

0031150

ITEM NUMBER: **RBHC20E3F**
DESCRIPTION: **BOILER RBHC 20KW 240V 3PH 100#**
REVISION: 003
OPTION CODE:

QUANTITY: **1.00**
UNIT OF MEASUREMENT: EA

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
4	03715	BOLTS 10MM X 45MM SHIPPING	10	01246	SCREW 8-32X.375RDHD MCH PLT SL
1	03564	BUSHING HEYCO SR7N-2	1	RB30-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL
1	04701	CARTON RB 30W 35L 28.75H SLOT	1	04564	TEE REDUCING BRASS .5" X .5" X
1	20932	COND TANK 11 GAL 2011 DESIGN S	6	04080	TERMINAL RING FOR #8 AWG WIR
2	02240	CONDUIT ALFLEX type SWA .375"	3	04807	TERMINAL SLIP ON MALE .020 X
1	02252	CONDUIT CONNECTOR .375"STR	3	04319	TERMINAL SPADE #10 STUD 16-14
1	02539	CONTACTOR 75A 120V 3P UL/CSA	1	03818	TICKET HOLDER FOR SHOP CLEAR F
1	20838	CONTROLLER 04316-EBC-LED	1	02472	VALVE BALL .25" 200# SWP SB584
1	03266	CORD SET 7' 14/3 SJT 105C 120V	2	02490	VALVE BALL .5" 200# SWP
1	04781	COUPLING .5" BRASS B16.15 125	1	03346	VALVE BALL .5" W/LATCH 200 SWP
1	20775-11	COVER ELEMENT TERMINALS RB REV	1	02462	VALVE CHECK .5" 125# SWP SWING
1	20775-7	COVER RIGHT ELEC BOX RB REV3	1	02637	VALVE SAFETY .5" 100# SWP 1" O
1	04229	DECAL SHEET	3	03258	WIRE #14 STRANDED TYPE TEW 600
1	20847	DISC, ORF-20 20KW STEAM ORIFIC	3	02963	WIRE #14 TEW STRD 105C 600 GRE
2	04165	ELEMENT 240V 10KW 3PH B-DIM.=1	3	04025	WIRE #14 TEW STRD 105C 600V WH
1	20775-17	ENCLOSURE POWER RELAY MODULE	8	04440	WIRE #8 PTFE INS. W/GLASS SLEE
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT	2	04789	WIRE SADDLE NYLON LOCKING
1	04577	FUSE 250V 15 A 15 UL/CSA	1	04186	WIRE STRD #18 BLK TEW (16/30)
1	02655	FUSE 250V 5A UL/CSA	1	04187	WIRE STRD #18 WHITE TEW (16/30)
-2	02281-TOPOG	GASKET 2.5"X .125"4 TOPOG-E			
1	03810	HOSE .5" X 24" HP SS BRAIDED P			
2	02951	KNOCKOUT SEAL .5" COND 7/8" HO			
1	20863	LABEL MAX. TORQUE 50. LB IN /0			
1	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
1	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
1	04668	NIPPLE .25" X 1.125" BRASS SCH			
1	04794	NIPPLE .25" X CLOSE BRASS SCH8			
4	03949	NIPPLE .5 X CLOSE BRASS SCH 40			
1	04779	NIPPLE .5" X 2" BRASS SB43 GRO			
1	04790	NIPPLE .5" X 5" BRASS SB43 GR6			
1	04526	NIPPLE .5" X 6" BRASS SB43 GRO			
1	04163	PRESSURE CONTROL 60# OPERATING			
1	04296	PRESSURE CONTROL 90# HI LIMIT			
1	20842	PRESSURE CONTROL MANIFOLD RB R			
1	04661	PRESSURE GAUGE 2.0" .25" 0-160			
1	04184	RECEPTACLE OUTLET PANEL MOUNT			
1	04788	RELAY POWER RBHC REV3 Z1054-ND			
4	02961	RIVET .125"DIA X .063-.125 GRI			
1	01239	SCREW 10-32 X .375" ROUND HEAD			
6	01268	SCREW 5-40 X .25 PANHD MACH PL			
8	01566	SCREW 6-32X 25PANHD STL PLATED			
2	01833	SCREW 6-32X.625RDHD H.SMITH			