

CRN# _____

NATL.BD# 152386SERIAL# 74573
Reimers®
 Electra Steam, Inc.

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 Clear Brook, VA 22624
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NAMEPLATE RATINGS:

 PART NUMBER RHPHC300G3H
 MODEL RHP300
 POWER SUPPLY WIRE SIZE 500
 POWER VOLTS 380
 CONTROL VOLT 220
 PHASE 3
 HZ 50
 MAX. W.P. 100
 KILOWATTS 300
**CERTIFICATION & REPORTING (CG-500) CSD-1
 OPERATIONAL TEST/ELECTRIC AND STEAM**
DATE (M/D/Y) 6 / 24 / 20 15UL FILE # E39545

WIRING DIAGRAM # _____ REV _____

 DIELECTRIC VOLTAGE- WITHSTAND
 TEST: (IAW U.L. 834)

 VOLTS 2112 SAT ☒ UNSAT _____
 PERFORMED BY BSB DATE 6/24/15

 HYDRO TEST OF
 COMPLETE BOILER

 P.S.I.G. 150
 PERFORMED BY OC
 DATE 6/29/15

HEATING ELEMENT TEST

 VOLTS 380 AMPS 455.8
 TOTAL WATT 300K TEST 240 V 265A

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN N/A 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. 10
22. ELEMENT VOLT/KW 380/30
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒DATE 6/24/15MANUFACTURER CONBRACOModel # 19-KHGA-150STEAM BOILER ☒HOT WATER BOILER ☐MAX. W. P. 150 PSIG (VALVE ASME PLATE)

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

CAPACITY 2,585 PPH (VALVE ASME PLATE)

CAPACITY _____ BTU/HR (VALVE ASME PLATE)

SIZE 1 IN

SIZE _____ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 1050 PPH

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

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST		SETTING	DATE	MANUFACTURER	MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F				
AUTO RESET	N/A	X				
MANUAL RESET	<u>B. Butts</u>	X	<u>6/24/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	<u>135</u>	<u>6/24/15</u>	HONEYWELL	L404F1102	02297
OPERATING #1	<u>B. Butts</u>	<u>105</u>	<u>6/24/15</u>	HONEYWELL	L404F1102	02297
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 6/24/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____

10f2



0031369

Work Order Traveler

SCHEDULED START: 05/13/15

DUE DATE: 05/26/15

QUANTITY: ~~2.00~~ 1.00

UNIT OF MEASUREMENT: EACH

0031369

ITEM NUMBER: RHPHC300G3H
DESCRIPTION: BOILER RHP 300 380V 3PH 150# S
REVISION: 000
OPTION CODE:

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	20084H-14	ADAPTOR PLATE, CONTROLLER R36-	2	02150	FUSE BLOCK 250V 30A 2P UL/CSA
2	05251	BLANK STEEL COVER 1/2" DEEP, 4	20	02614	FUSE BLOCK 600V 60A 3P UL/CSA
4	02618	BLOCK POWER DISTRIBUTION 3/500	2	02003	GAUGE GLASS 10.25" X .625" PYREX
2	21018	BOILER CONTROL - HW775 PANEL	2	02311	GAUGE PROTECTOR 10.5" LONG U-S
24	20874-E	BRACKET RHP 120-300; HLR 510 S	2	04692	GROUND STRAP #4 BRAIDED
3	01904	BRASS ROD .25" (WELDING ROD)	2	20861	LABEL MAX. TORQUE 10 LB IN #0
10	04748	BUSHING .75" X .25" BLACK 3000	2	02049	MM 1575 PUMP CONTROL
8	04749	BUSHING .75" X .375" BLACK 300	2	05088	MODULE INPUT OPT022 120VAC G41
8	04750	BUSHING 1" X .75" NPT BLACK 30	2	05089	MODULE OUTPUT OPT022 60VDC G40
2	04751	BUSHING 1.5" X 1.25" NPT BLACK	2	05090	MODULE RACK OPT022 G40A
2	04752	BUSHING 2" X 1.5" NPT BLACK 30	80	01168	NUT .625"-11 HEAVY HEX STEEL A
2	05104	BUSHING 3" X 1.25" 3000# RHP S	2	20376-F	PANEL INTERNAL (LG) 66" X 48"
12	05231	CABLE 2 PR-CPV SHIELD PVC 22 A	8	01173	PIPE PLUG .75" SQ HEAD BLACK S
4	04528	CABLE TIE MOUNT	10	01148	PIPE PLUG 1" SQ. HD FRGD STEEL
2	02306	CEILING PLATE 1" PIPE SIZE	2	04756	PIPE PLUG 2" BLACK 6000# ASTM
2	02308	CEILING PLATE 1.5"	4	02297	PRESSURE CONTROL 150# L404F110
2	30229A3G50X	COND TANK 50 GAL W/VIN:3HP 380	2	04703	PRESSURE CONTROL STOP KIT H/L
40	02344	CONDUIT ALFLEX type SWA 1.25"	2	02048	PRESSURE GAUGE 3.5" 3000 FIG.
20	02346	CONDUIT CONNECTOR .375" 90 DEG	2	05051	PRESSURE TRANSDUCER AST4000A00
6	02358	CONDUIT CONNECTOR 1.25" STRAIG	2	21014	PRESSURE TRANSDUCER BRACKET
16	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	2	05091	RESISTOR 1K 2W #1.0KW-2ND
2	05050	CONNECTOR DIN 43650-C	2	RHP-300	SHELL RHP 120-300 24" X 42.75"
4	03445	CONTACTOR 35A 120V 2P UL/CSA	2	SKID2A	SKID BOILER NEW RHPHC 24-50
2	02530	CONTACTOR 50A 120V 3P UL/CSA	2	20859	SHIMMER FOR CONTACTOR W/TERMIN
20	02539	CONTACTOR 75A 120V 3P UL/CSA	4	04529	STANDOFF HEX 1.5" X .375" FOR
2	20835	CONTROLLER 0316-6BC-LED	2	21025	STEP CONTROL 5 STAGES
2	05048	CONTROLLER HONEYWELL T775U2006	2	21015	STEP CONTROL BLANK HLR
2	05085	COUPLING .25" BLACK 3000# ASTM	2	20878-10	STEP CONTROL MOUNTING PLATE
2	05252	COUPLING REDUCING .375" X .25"	80	02339	STUD .625-11 X 2.25" ASTM A19
2	03096-HIT	CRATE 48" W X 76" L X 44" H EXPOR	8	03190	SYPHON TUBE .25 STL STRAIGHT S
10	04742	CROSS 1" NPT BLACK RHP 3000 AS	10	04743	TEE .75" BLACK 3000# ASTM A105
2	05253	DISC SPRING STAINLESS STEEL BE	4	04744	TEE 1" BLACK 3000# ASTM A105 R
4	04745	ELBOW 1" NPT BLACK 3000# RHP A	2	20780	TERMINAL BLOCK 3 POLE 600V 50A
2	20887	ELECTRICAL BOX 48" X 48" X 8"	2	03818	TICKET HOLDER FOR SHOP CLEAR F
2	20887-5	ELECTRICAL PANEL 5" X 22" RHP	2	20905	TRIM STRIP RHP 120-300
2	02635	ELECTRODE FITTING BRASS WARRIC	2	04746	UNION .75" NPT BLACK 3000# RHP
20	03267	ELEMENT 380V 30KW 3P SS 304 SH	2	04747	UNION 1" NPT BLACK 3000# ASTM
120	04076	FERRULES AWG 8	2	04485	UTILITY BOX 4" X 4" 5" KNOCKO
20	02022	FLANGE GASKET 2" RING	2	02642	VALVE 1.25" Y 200# SWP
2	02655	FUSE 250V 5A UL/CSA	4	03802	VALVE BALL .75" W/LATCH 200# S
60	02116	FUSE 600V 60A UL/CSA	2	02515	VALVE BALL 1" 200 SWP SB584 C8
4	02140	FUSE BLOCK 250V 30A 1P UL/CSA	2	02710	VALVE CHECK 1" 200# SWP SPRING

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OPTION CODE:

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PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	03307	VALVE CHECK 1" 200# SWP SWING			
2	03254	VALVE GAUGE TEST .25" SB584 C			
2	02471	VALVE GLOBE 2" 150# SWP			
2	02028	VALVE SAFETY 1" 150# SWP 1.25"			
2	04298	WASHER FLAT 5/8" 21/32" ID 1.5			
2	02396	WATER GAUGE SET STANDARD SHANK			
400	02171	WIRE #8 STRANDED (133) BLACK 6			
4	20053E	WRAPPER END 28" DWG20013 POWER			
2	20907	WRAPPER HALF BACK RHP120-300			
2	20906	WRAPPER HALF FRONT RHP120-300			
OPT1002					
2	03074	NIPPLE 1 1/2" x 12"			
4	03008	1 1/2" COUP			
4	04721	1 1/2" x 1" BUSH.			
2	02440	5 KVA TRANS.			
2	02396	GAUGE GLASS SET			
PROBE = 17 5/8"					

10	01214	1" x 2 1/2" NIP	14	02810	1" CLOSE NIP.	4	01102	1" TEE
6	01215	1" x 3" NIP	6	02814	1" x 6" NIP	2	01096	1" ELBOW
2	03023	1" COUP.	8	02813	3/4" x 4 1/8" NIP.			
2	01213	1" x 2" NIP.	2	02820	1 1/4" x 4" NIP.			
2	02812	1" x 5" NIP.	2	02815	1" x 15" NIP.			