

DC 4/20/15
CRN# CRN-M4913.561

NATL.BD#

SERIAL#

Reimers
Electra Steam, Inc.4407 Martinsburg Pike
Clear Brook, VA 22624
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NAMEPLATE RATINGS:

PART NUMBER RXHC72C3F
MODEL RHC-70
POWER SUPPLY WIRE SIZE 250
POWER VOLTS 208
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 72CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAM

DATE (M/D/Y) 4/20/2015

UL FILE # E39545

WIRING DIAGRAM # 04.12.20.50.60.72.X.90, REV 5
128.175.190

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ☒ UNSAT ☐
PERFORMED BY BSB DATE 4/20/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100
PERFORMED BY DC
DATE 4/20/15

HEATING ELEMENT TEST

VOLTS 208 AMPS 199.9
TOTAL WATT 72K TEST 240 V 220A

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER N/A
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. 4
22. ELEMENT VOLT/KW 208/18
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒

DATE 4/20/15

MANUFACTURER CONBRACO

Model # 29-202A-100

STEAM BOILER ☒HOT WATER BOILER ☐MAX. W. P. 100 PSIG (VALVE ASME PLATE)
CAPACITY 423 PPH (VALVE ASME PLATE)
SIZE 1/2 IN
REQUIRED CAPACITY (PPH = 3.5 x kW) 252 PPHMAX. W. P. PSIG (VALVE ASME PLATE)
CAPACITY BTU/HR (VALVE ASME PLATE)
SIZE IN
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	B. Butts	X	4/20/15	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	B. Butts	90	4/20/15	TECMARK	3155-ED	04296
OPERATING #1	B. Butts	80	4/20/15	TECMARK	3156-EC	04163
OPERATING #2	B. Butts	75	4/20/15	TECMARK	3156-EC	04163
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

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

DATE 4/20/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0030862

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Work Order Traveler

SCHEDULED START: 04/13/15

DUE DATE: 04/14/15

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0030862

ITEM NUMBER: **RXHC72C3F**
DESCRIPTION: **BOILER RHC 72KW 208V 3PH 100#**
REVISION: 001
OPTION CODE:

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02618	BLOCK POWER DISTRIBUTION 3/500	23	02030	INSULATION 2" X 48" X 100' FIB
1	20350-7A	BRACE ELECTRICAL BOX SS (NEW)	2	02951	KNOCKOUT SEAL .5" COND 7/8" HO
4	04167	BUSHING .5" X 1.25" HEX BLACK	1	20861	LABEL MAX. TORQUE 10. LB IN/O
1	01128	BUSHING .5X.25 HEX BLACK FORGE	1	04301	LABEL NAMEPLATE UL/CSA 3.48 X
1	01121	BUSHING 1" X .5" HEX BLACK MAL	15	01345	LOCKWASHER .3125" SPRING/SPLIT
1	01118	BUSHING 1.25" X 1" HEX BLACK M	2	04522	NIPPLE .5 X 1.5" BRASS
2	04528	CABLE TIE MOUNT	3	02788	NIPPLE .5" X 2" BLACK EH SA-10
1	03089	CARTON 42W 54L 36.75 500# TEST	1	02789	NIPPLE .5" X 2.5" BLACK EH SA-
1	02207	CEILING PLATE 1.25" PIPE SIZE	1	02791	NIPPLE .5" X 3.5" BLACK EH
1	20740	COND. TANK ASSY. (RHC 36-120)	1	02792	NIPPLE .5" X 4" BLACK EH
6	02244	CONDUIT ALFLEX type SWA 1.25"	1	04526	NIPPLE .5" X 6" BRASS SB43 GRO
4	02240	CONDUIT ALFLEX type SWA .375"	5	02786	NIPPLE .5" X CLOSE BLACK EH SA
4	02246	CONDUIT CONNECTOR .375" 90 DEG	1	02807	NIPPLE .75" X 9" BLACK EH SA-1
2	02252	CONDUIT CONNECTOR .375" STR	2	01180	NIPPLE .75" X CLOSE BLACK EH S
4	02250	CONDUIT CONNECTOR 1.25" 90 DEG	1	02802	NIPPLE .75X4 BLACK EH SCH80 SA
4	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	1	02810	NIPPLE 1" CLOSE BLACK EH SA-10
1	01345	CONTACTOR 35A 120V 2P UL/CSA	2	01217	NIPPLE 1" X 4" BLACK EH SA-106
4	02539	CONTACTOR 75A 120V 3P UL/CSA	1	02817	NIPPLE 1.25 X CLOSE BLACK ENHIV
1	20838	CONTROLLER 04316-EBC-LED	1	02820	NIPPLE 1.25X4 BLACK EH
2	03021	COUPLING FULL .5" NPT 3000# SA	21	01221	NUT .3125-18 HEX MACH. SCREW Z
1	04525	CROSS .5" BRASS B62 CR36	16	01168	NUT .625"-11 HEAVY HEX STEEL A
1	04229	DECAL SHEET	4	01147	PIPE PLUG .5" SQUARE HEAD FRGD
1	01162	ELBOW .25" BRASS FEMALE SB62 C	1	04776	PIPE PLUG .75" NPT COUNTERSUNK
1	01094	ELBOW .5" X 90 DEG. BLACK MALL	2	04163	PRESSURE CONTROL 60# OPERATING
4	01133	ELBOW .5X90 DEG. STREET BLACK	1	04296	PRESSURE CONTROL 90# HI LIMIT
2	01095	ELBOW .75" X 90 DEG. BLACK MAL	1	20763	PRESSURE CONTROL MANIFOLD R-24
1	01097	ELBOW 1.25" X 90 DEG. BLACK MA	1	02329	PRESSURE GAUGE 2.5" 160#MT23
2	02997	ELBOW STREET .25" 90 DEG. SB62	1	20062A	PROBE COVER R36-120
1	20292-14A	ELECTRIC BOX SUPPORT 35 X1.5"	16	01342	SCREW 3/125-18X.75 HEX PLATED
1	20084B	ELECTRICAL ENCLOSURE 26" X 30"	4	01246	SCREW 8-32X.375RDHD MCH PLT SL
1	20757	ELECTRICAL PNL ASSY R36-120 LE	1	R-80A	SHELL R70-80 (COMPLETE NEW)
4	02190	ELEMENT 208V 18KW 3P SS 304 SH	1	SKID2A	SKID BOILER NEW R:RHRHC 24-80
4	02022	FLANGE GASKET 2" RING	2	04529	STANDOFF HEX 1.5" X .375" FOR
1	02125	FUSE 250V 15A UL/CSA	4	04213	SWITCH ILLUMINATED RED W/WHITE
1	02655	FUSE 250V 5A UL/CSA	1	20084B-8	SWITCH PANEL FOR ELECTRICAL EN
12	02127	FUSE 250V 60A UL/CSA	2	04400	SYPHON TUBE .25" BRASS SB43 GR
3	04281	FUSE BLK COVER 250V 60A 1P UL/	0	04308	TAPE ALUMINUM FOIL DUCT 60YD R
4	02142	FUSE BLOCK 250V 60A 3P UL/CSA	5	01104	TEE .5" BLACK MALLEABLE IRON 1
1	02690	GAUGE GLASS .625" X 7.25" PYRE	1	04523	TEE .5" BRASS SB62 CR36
1	MBJ-9	GAUGE GLASS SAFETY ROD R-MODEL	2	01103	TEE .75" BLACK MALLEABLE IRON
1	02522	GAUGE PROTECTOR 6" U-SHAPE	1	04564	TEE REDUCING BRASS .5" X .5" X
1	04692	GROUND STRAP #4 BRAIDED	12	02176	TERMINAL LUG #8 HOMAC UL/CSA



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REVISION: 001
OPTION CODE:

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PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
0	04276	TERMINAL STRIP 300V 35A 10-22			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
3	01088	UNION .5" BLACK MALLEABLE IRON			
1	02490	VALVE BALL .5" 200# SWP			
1	03802	VALVE BALL .75" W/LATCH 200# S			
1	02515	VALVE BALL 1" 200 SWP SB584 CS			
1	02370	VALVE CHECK .5" 200# SWP SPRIN			
1	03254	VALVE GAUGE TEST .25" SB584 C			
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
1	02396	WATER GAUGE SET STANDARD SHANK			
10	04439	WIRE #18 TGGT 600V 250C UL/CSA			
1	02209SS	WRAPPER END 20" 20103REV.B 16G			
1	20843	WRAPPER END 20" W/2" HOLE			
1	20054A	WRAPPER R24-80 (NEW)			