

CRN# _____

NATL.BD# _____

SERIAL# _____



4407 Martinsburg Pike P: 540-662-3811
Clear Brook, VA 22624 F: 540-665-8101
www.reimersinc.com sales@reimersinc.com

NAMEPLATE RATINGS:

PART NUMBER RX40K3FMODEL R-40POWER SUPPLY WIRE SIZE 6POWER VOLTS 480CONTROL VOLT 120PHASE 3HZ 60MAX. W.P. 100KILOWATTS 40CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 3 / 18 / 20 15UL FILE # E39545WIRING DIAGRAM # 02,13,20,50,60,70,X,90, REV 5
110,170,190

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2352 SAT ☒ UNSAT ☐PERFORMED BY BSB DATE 3/18/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100PERFORMED BY OCDATE 3/18/15

HEATING ELEMENT TEST

VOLTS 480AMPS 47.6TOTAL WATT 40K

CHECKOUT

1. APPEARANCE ☒
2. BLOWDOWN MAN ☒ AUTO N/A
3. TRANSFORMER N/A
4. CONDENSATE TANK N/A
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 480/20
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED ☒DATE 3/18/15MANUFACTURER 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) 140 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>3/18/15</u>	REIMERS	20838	20838
PRESSURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	<u>90</u>	<u>3/18/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>B. Butts</u>	<u>70</u>	<u>3/18/15</u>	TECMARK	3156-EC	04163
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTSDATE 3/18/15 Signature Brad Butts

Representing Installer Contractor (Name) _____

DATE _____ Signature _____



0030451

Page: 1

Work Order Traveler

SCHEDULED START: 02/10/15

DUE DATE: 02/11/15

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0030451

ITEM NUMBER: **RX40K3F**
DESCRIPTION: **BOILER R 40KW 480V 3PH 100# SA**
REVISION: 001
OPTION CODE:

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02616	BLOCK POWER DISTRIBUTION 3-2/0	1	02522	GAUGE PROTECTOR 6" U-SHAPE
1	20350-7A	BRACE ELECTRICAL BOX SS (NEW)	1	04692	GROUND STRAP #4 BRAIDED
1	20350-14	BRACE SOLENOID R MODEL 24-80 /	26	02030	INSULATION 2" X 48" X 100' FIB
2	04167	BUSHING .5" X .125" HEX BLACK	2	02951	KNOCKOUT SEAL .5" COND 7/8" HO
1	01128	BUSHING .5X.25 HEX BLACK FORGE	1	20861	LABEL MAX. TORQUE 10. LB IN/O
1	01121	BUSHING 1" X .5" HEX BLACK MAL	1	04301	LABEL NAMEPLATE UL/CSA 3.48 X
2	04528	CABLE TIE MOUNT	15	01345	LOCKWASHER .3125" SPRING/SPLIT
1	03089	CARTON 42W 54L 36.75 500# TEST	2	04522	NIPPLE .5 X 1.5" BRASS
1	02207	CEILING PLATE 1.25" PIPE SIZE	2	02788	NIPPLE .5" X 2" BLACK EH SA-10
2	02244	CONDUIT ALFLEX type SWA 1.25"	1	02791	NIPPLE .5" X 3.5" BLACK EH
3	02240	CONDUIT ALFLEX type SWA .375"	1	02792	NIPPLE .5" X 4" BLACK EH
4	02246	CONDUIT CONNECTOR .375" 90 DEG	1	02796	NIPPLE .5" X 6" BLACK EH
2	02252	CONDUIT CONNECTOR .375" STR	1	04526	NIPPLE .5" X 6" BRASS SB43 GRO
2	02250	CONDUIT CONNECTOR 1.25" 90 DEG	6	02786	NIPPLE .5" X CLOSE BLACK EH SA
2	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	1	02807	NIPPLE .75" X 9" BLACK EH SA-1
1	03445	CONTACTOR 35A 120V 2P UL/CSA	2	01180	NIPPLE .75" X CLOSE BLACK EH S
2	02530	CONTACTOR 50A 120V 3P UL/CSA	1	02806	NIPPLE .75" X 6" BLACK EH
1	20838	CONTROLLER 04316-EBC-LED	1	02802	NIPPLE .75X4 BLACK EH SCH80 SA
1	03021	COUPLING FULL .5" NPT 3000# SA	1	02818	NIPPLE 1.25X2 BLACK EXHEAVYAST
1	02988	CROSS .5" BLACK MALLEABLE IRON	1	02820	NIPPLE 1.25X4 BLACK EH
1	04525	CROSS .5" BRASS B62 C836	21	01221	NUT .3125-18 HEX MACH. SCREW Z
1	04229	DECAL SHEET	8	01168	NUT .625"-11 HEAVY HEX STEEL A
1	01162	ELBOW .25" BRASS FEMALE SB62 C	4	01147	PIPE PLUG .5" SQUARE HEAD FRGD
3	01094	ELBOW .5" X 90 DEG. BLACK MALL	1	04776	PIPE PLUG .75" NPT COUNTERSINK
4	01133	ELBOW .5X90 DEG. STREET BLACK	1	01173	PIPE PLUG .75" SQ HEAD BLACK S
1	01095	ELBOW .75" X 90 DEG. BLACK MAL	1	04163	PRESSURE CONTROL 60# OPERATING
1	01097	ELBOW 1.25" X 90 DEG. BLACK MA	1	04296	PRESSURE CONTROL 90# HI LIMIT
2	02997	ELBOW STREET .25" 90 DEG. SB62	1	20763	PRESSURE CONTROL MANIFOLD R-24
1	20292-14A	ELECTRIC BOX SUPPORT 35 X1.5"	1	02329	PRESSURE GAUGE R-25" 160#MT23
1	20084B-13	ELECTRICAL BOX POWER INLET ADA	1	20062A	PROBE COVER R36-120
1	20084B	ELECTRICAL ENCLOSURE 26" X 30"	1	R-80A	SHELL R70-80 (COMPLETE NEW)
1	20757	ELECTRICAL PNL ASSY R36-120 LE	1	SKID2A	SKID HOILER NEW R/RH/RHC 24-80
2	02602	ELEMENT 480V 20KW 3P STRAP Y S	2	04529	STANDOFF HEX 1.5" X .375" FOR
2	03049	FLANGE 2" BLIND 150# A-105	1	03325	STRAINER .5" Y SB-62 UNS C8360
4	02022	FLANGE GASKET 2" RING	2	04213	SWITCH ILLUMINATED RED W/WHITE
1	03470	FUSE 250V 3A UL/CSA	2	04400	SYPHON TUBE .25" BRASS SB43 GR
1	02655	FUSE 250V 5A UL/CSA	0	04308	TAPE ALUMINUM FOIL DUCT 60YD R
6	02134	FUSE 600V 30A UL/CSA	5	01104	TEE .5" BLACK MALLEABLE IRON 1
3	04282	FUSE BLK COVER 600V 30A UL/CSA	2	04523	TEE .5" BRASS SB62 C836
2	02613	FUSE BLOCK 600V 30A 3P UL/CSA	2	01103	TEE .75" BLACK MALLEABLE IRON
1	02420	GAUGE GLASS 5.875"X.625" PYREX	1	04564	TEE REDUCING BRASS .5" X .5" X
1	MBJ-9	GAUGE GLASS SAFETY ROD R-MODEL	6	02176	TERMINAL LUG #8 HOMAC UL/CSA



0030451

Page: 2

Work Order Traveler

SCHEDULED START: 02/10/15

DUE DATE: 02/11/15

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0030451

ITEM NUMBER: **RX40K3F**
DESCRIPTION: **BOILER R 40KW 480V 3PH 100# SA**
REVISION: 001
OPTION CODE:

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
0	04276	TERMINAL STRIP 300V 35A 10-22			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
1	01088	UNION .5" BLACK MALLEABLE IRON			
1	02490	VALVE BALL .5" 200# SWP			
1	02514	VALVE BALL .75" 200# SWP			
1	03802	VALVE BALL .75" W/LATCH 200# S			
1	02462	VALVE CHECK .5" 125# SWP SWING			
1	02692	VALVE CHECK .5" BALLCONE SPRIN			
1	03254	VALVE GAUGE TEST .25" SB584 C			
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
1	02301	VALVE SOLENOID .5" 120V 60 HZ			
1	02396	WATER GAUGE SET STANDARD SHANK			
48	02172	WIRE #10 STRANDED BLACK 600V 5			
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)			