CRN# _____ NATL.BD# 72603 SERIAL# 74590

Reimers® Electra Steam, Inc.

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CERTIFICATION & REPORTING (CG-500) CSD-1 OPERATIONAL TEST/ELECTRIC AND STEAM

NAMEPLATE RATINGS:

PART NUMBER RX36E3F
MODEL R-36
POWER SUPLY WIRE SIZE 2
POWER VOLTS 240
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P 100
KILOWATTS 36

DATE (M/D/Y) 3 / 6 / 2015 UL FILE # E39545

WIRING DIAGRAM # 02, 10, 20, 50, 60, 74, X, 90, 101, 170, 190 REV 5

HEATING ELEMENT TEST
VOLTS 480 AMPS 84.3
TOTAL WATT 40K

DIELECTRIC VOLTAGE- WITHSTAND TEST: (IAW U.L. 834)
VOLTS 1200 SAT ✓ UNSAT ____
PERFORMED BY END DATE 3/6/2015

HYDRO TEST OF COMPLETE BOILER
P.S.I.G. 100
PERFORMED BY OC
DATE 3/6/15

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 N/A
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 240/18
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE OPERATIONAL TEST PERFORMED ✓ DATE 3/6/15

MANUFACTURER CONBRACO Model # 29-202A-100

STEAM BOILER [X]
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) 140 PPH

HOT WATER BOILER [ ]
MAX. 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 PERFORMED BY	SETTING PSI/°F	DATE	MANUFACTURER	MODEL #	PART#
LOW WATER CUTOFF						
AUTO RESET	N/A	X				
MANUAL RESET	B. Butts	X	3/6/15	REIMERS	20838	20838
PRESSURE CONTROLS						
HIGH LIMIT	B. Butts	90	3/6/15	TECMARK	3155-ED	04296
OPERATING #1	B. Butts	80	3/6/15	TECMARK	3156-EC	04163
OPERATING #2						
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) BRAD BUTTS
DATE 3/6/15 Signature Brad Butts

Representing Installer Contractor (Name) _____
DATE _____ Signature _____

0030444

Work Order Traveler

SCHEDULED START: 02/09/15

DUE DATE: **02/10/15**

0030444

ITEM NUMBER: **RX36E3F**

QUANTITY: **1.00**

DESCRIPTION: BOILER R 36KW 240V 3PH 100# SA

UNIT OF MEASUREMENT: EA

REVISION: 001

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	02616	BLOCK POWER DISTRIBUTION 3-2/0	2	02951	KNOCKOUT SEAL .5" COND 7/8" HO
1	20350-7A	BRACE ELECTRICAL BOX SS (NEW)	1	20861	LABEL MAX. TORQUE 10. LB IN /0
1	20350-14	BRACE SOLENOID R MODEL 24-80 /	1	04301	LABEL NAMEPLATE UL/CSA 3.48 X
2	04167	BUSHING .5" X .125" HEX BLACK	15	01345	LOCKWASHER .3125" SPRING/SPLIT
1	01128	BUSHING .5X.25 HEX BLACK FORGE	2	04522	NIPPLE .5 X 1.5" BRASS
1	01121	BUSHING 1" X .5" HEX BLACK MAL	2	02788	NIPPLE .5" X 2" BLACK EH SA-10
2	04528	CABLE TIE MOUNT	1	02791	NIPPLE .5" X 3.5" BLACK EH
1	03089	CARTON 42W 54L 36.75 500# TEST	1	02792	NIPPLE .5" X 4" BLACK EH
1	02207	CEILING PLATE 1.25" PIPE SIZE	1	02796	NIPPLE .5" X 6" BLACK EH
2	02244	CONDUIT ALFLEX type SWA 1.25"	1	04526	NIPPLE .5" X 6" BRASS SB43 GRO
3	02240	CONDUIT ALFLEX type SWA .375"	6	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
2	02250	CONDUIT CONNECTOR 1.25" 90 DEG	1	02806	NIPPLE .75"X6" BLACK EH
2	02956	CONDUIT SLEEVE 1.25" T&B UL/CS	1	02802	NIPPLE .75X4 BLACK EH SCH80 SA
1	03445	CONTACTOR 35A 120V 2P UL/CSA BSB 3/6/15	1	02818	NIPPLE 1.25X2 BLACK EXHEAVYAST
2	02530	CONTACTOR 50A 120V 3P UL/CSA	1	02820	NIPPLE 1.25X4 BLACK EH
1	20838	CONTROLLER 04316-EBC-LED	21	01221	NUT .3125-18 HEX MACH. SCREW Z
1	03021	COUPLING FULL .5" NPT 3000# SA	8	01168	NUT .625"-11 HEAVY HEX STEEL A
1	02988	CROSS .5" BLACK MALLEABLE IRON	4	01147	PIPE PLUG .5" SQUARE HEAD FRGD
1	04525	CROSS .5" BRASS B62 C836	1	04776	PIPE PLUG .75" NPT COUNTERSUNK
1	04229	DECAL SHEET	1	01173	PIPE PLUG .75" SQ HEAD BLACK S
1	01162	ELBOW .25" BRASS FEMALE SB62 C	1	04163	PRESSURE CONTROL 60# OPERATING BSB 3/6/15
3	01094	ELBOW .5" X 90 DEG. BLACK MALL	1	04296	PRESSURE CONTROL 90# HI LIMIT BSB 3/6/15
4	01133	ELBOW .5X90 DEG. STREET BLACK	1	20763	PRESSURE CONTROL MANIFOLD R-24
1	01095	ELBOW .75" X 90 DEG. BLACK MAL	1	02329	PRESSURE GAUGE 2.5" 160#MT23
1	01097	ELBOW 1.25" X 90 DEG. BLACK MA	1	20062A	PROBE COVER R36-120
2	02997	ELBOW STREET .25" 90 DEG. SB62	1	R-80A	SHELL R70-80 (COMPLETE NEW)
1	20292-14A	ELECTRIC BOX SUPPORT 35 X1.5"	1	SKID2A	SKID BOILER NEW R;RH;RHC 24-80
1	20084B	ELECTRICAL ENCLOSURE 26" X 30"	2	04529	STANDOFF HEX 1.5" X .375" FOR
1	20757	ELECTRICAL PNL ASSY R36-120 LE	~~1~~	~~03325~~	~~STRAINER .5" Y SB-62 UNS-C8360~~
2	02189	ELEMENT 240V 18KW 3P SS 304 SH	2	04213	SWITCH ILLUMINATED RED W/WHITE
2	02022	FLANGE GASKET 2" RING	2	04400	SYPHON TUBE .25" BRASS SB43 GR
1	03470	FUSE 250V 3A UL/CSA	0	04308	TAPE ALUMINUM FOIL DUCT 60YD R
1	02655	FUSE 250V 5A UL/CSA	5	01104	TEE .5" BLACK MALLEABLE IRON I
6	02127	FUSE 250V 60A UL/CSA	2	04523	TEE .5" BRASS SB62 C836
3	04281	FUSE BLK COVER 250V 60A 1P UL/	2	01103	TEE .75" BLACK MALLEABLE IRON
2	02142	FUSE BLOCK 250V 60A 3P UL/CSA	1	04564	TEE REDUCING BRASS .5" X .5" X
1	02420	GAUGE GLASS 5.875"X.625" PYREX	6	02176	TERMINAL LUG #8 HOMAC UL/CSA
1	MBJ-9	GAUGE GLASS SAFETY ROD R-MODEL	0	04276	TERMINAL STRIP 300V 35A 10-22
1	02522	GAUGE PROTECTOR 6" U-SHAPE	1	03818	TICKET HOLDER FOR SHOP CLEAR F
23	02030	INSULATION 2" X 48" X 100' FIB	1	01088	UNION .5" BLACK MALLEABLE IRON

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SCHEDULED START: 02/09/15

DUE DATE: 02/10/15

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ITEM NUMBER: RX36E3F

QUANTITY: 1.00

DESCRIPTION: BOILER R 36KW 240V 3PH 100# SA

UNIT OF MEASUREMENT: EA

REVISION: 001

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
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 BSB 3/6/15			
1	02637	VALVE SAFETY .5" 100# SWP 1" O BSB 3/6/15			
~~1~~	~~02301~~	~~VALVE SOLENOID .5" 120V 60 HZ~~			
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)			
		OPT1024-R			