CRN# _____ NATL.BD# 72642 SERIAL# 74629

Reimers® Electra Steam, Inc.

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

DATE (M/D/Y) 6 / 2 / 2015 UL FILE # E39545

WIRING DIAGRAM # 36, 91, 101, 113, 122, 131, 140X, 160, 170, 180 REV 5

NAMEPLATE RATINGS:

PART NUMBER RBH20G3F
MODEL RH-20
POWER SUPLY WIRE SIZE 8
POWER VOLTS 380
CONTROL VOLT 220
PHASE 3
HZ 50
MAX. W.P 100
KILOWATTS 20

DIELECTRIC VOLTAGE- WITHSTAND TEST: (IAW U.L. 834)
VOLTS 2150 SAT ✓ UNSAT ____
PERFORMED BY DC DATE 6/2/15

HYDRO TEST OF COMPLETE BOILER
P.S.I.G. 100
PERFORMED BY DC
DATE 6/2/15

HEATING ELEMENT TEST
VOLTS 380 AMPS 20.2
TOTAL WATT 20K AMPS TESTED ON 240V

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

SAFETY RELIEF VALVE OPERATIONAL TEST PERFORMED DC DATE 6/2/15

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) 105 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	DC	X	6/2/15	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	DC	90	6/2/15	TECMARK	3155-ED	04296
OPERATING #1	DC	60	6/2/15	TECMARK	3156-EC	04163
OPERATING #2	DC	15	6/2/15	TECMARK	3156-EC	04163
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

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 10 240 15
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

Representing Reimers Electra Steam, INC. (Name) David E. Coff
DATE 6/2/15 Signature David E Coff

Representing Installer Contractor (Name) ____
DATE ____ Signature ____

0031401

Work Order Traveler

SCHEDULED START: 05/26/15

DUE DATE: **05/27/15**

0031401

ITEM NUMBER: **RBH20G3F**

QUANTITY: **1.00**

DESCRIPTION: BOILER RBH 20KW 380V 3 PH 100#

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	04701	CARTON RB 30W 35L 28.75H SLOT	-1	04700	SKID 30" X 35.5" RB rev3
1	02240	CONDUIT ALFLEX type SWA .375"	1	04731	STUD PRESS-IN THREADED .25"-20
1	03844	CONDUIT CONNECTOR .375" DUPLEX	1	RB30-SUBASY	SUBASSEMBLY RB 10 THRU 30 BOIL
1	02252	CONDUIT CONNECTOR .375"STR	1	02176	TERMINAL LUG #8 HOMAC UL/CSA
2	02266	CONDUIT SLEEVE .375" REDEYE	6	04080	TERMINAL RING FOR # 8 AWG WIR
1	02530	CONTACTOR 50A 120V 3P UL/CSA	3	04183	TERMINAL RING #12-10 WIRE #8 S
1	20838	CONTROLLER 04316-EBC-LED	1	03818	TICKET HOLDER FOR SHOP CLEAR F
1	04781	COUPLING .5" BRASS B16.15 125	1	02475	TRANSFORMER .25KVA B WALL MT48
1	20775-11	COVER ELEMENT TERMINALS RB REV	1	02490	VALVE BALL .5" 200# SWP
1	20775-7	COVER RIGHT ELEC BOX RB REV3	1	03346	VALVE BALL .5" W/LATCH 200 SWP
1	04229	DECAL SHEET	1	02637	VALVE SAFETY .5" 100# SWP 1" O AC 6/2/15
1	04813	DINCONNECTOR/CORD FOR RB BOILE	10	04278	WIRE #10 TGGT PTFE INS. W/GLAS
1	20847	DISC, ORF-20 20KW STEAM ORIFIC	3	03258	WIRE #14 STRANDED TYPE TEW 600
1	03923	ELBOW .5" TUBE X .375" NPT SB	0	02963	WIRE #14 TEW STRD 105C 600 GRE
1	04165	ELEMENT 240V 10KW 3PH B-DIM.=1	4	02744	WIRE NUT IDEAL UL/CSA
1	04253	ELEMENT 240V 15KW 3PH B-DIM=18	2	04789	WIRE SADDLE NYLON LOCKING
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT	1	04186	WIRE STRD #18 BLK TEW (16/30)
2	04574	FUSE 250V 3 AMP UL/CSA	1	04187	WIRE STRD #18 WHITE TEW (16/30
-1	02655	FUSE 250V 5A UL/CSA			
-2	02281-TOPOG-E	GASKET 2.5"X .125"t TOPOG-E			OPT1016
1	04569	GAUGE GLASS .625" X 4.125" PYR			
1	20862	LABEL MAX. TORQUE 40. LB IN /0			
1	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
1	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
2	03077	LOCKWASHER .25" STEEL HELICAL			
1	20840	MANIFOLD FEED WATER SUBASSY RB			
1	04668	NIPPLE .25" X 1.125" BRASS SCH			
1	04787	NUT .25-20 WING ZINC PLATED			
2	01351	NUT .25-20HEX JAM PLATE			
2	04163	PRESSURE CONTROL 60# OPERATING AC 6/2/15			
1	04296	PRESSURE CONTROL 90# HI LIMIT AC 6/2/15			
1	20842	PRESSURE CONTROL MANIFOLD RB R			
1	04661	PRESSURE GAUGE 2.0" .25" 0-160			
1	20775-9	PUMP BASE MOUNTING BRACKET			
1	20992	PUMP SUBASSY 03693 120V 1 PH			
1	03344	RECEPTACLE CONN. MALE "AMPHENO			
1	03345	RECEPTACLE FEMALE "AMPHENOL"			
1	04593	SCREW .25-20 X .75 HEX CAP PLA			
1	04760	SCREW 1/4"-20 X .75" PAN HEAD			
8	01291	SCREW 8-32X.25RNDHD SLT MCH ZI			
6	01246	SCREW 8-32X.375RDHD MCH PLT SL			
1	04700-HT	SKID 30" X 35.5" -HT RB rev3 H			