

CRN#

NATL.BD#

SERIAL#

Reimers
Electra Steam, Inc.

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NAMEPLATE RATINGS:

PART NUMBER RBH20J3F

MODEL RH-20

POWER SUPPLY WIRE SIZE 8

POWER VOLTS 415

CONTROL VOLT 220

PHASE 3

HZ 50

MAX. W.P. 100

KILOWATTS 20

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

DATE (M/D/Y) 4 / 29 / 20 15

UL FILE # E39545

WIRING DIAGRAM #

REV 5

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2150 SAT

UNSAT

PERFORMED BY OC

DATE 4/29/15

HYDRO TEST OF
COMPLETE BOILER

P.S.I.G. 100

PERFORMED BY OC

DATE 4/29/15

HEATING ELEMENT TEST

VOLTS 415

AMPS 16.4

TOTAL WATT 20K

Amps tested on

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
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED

MANUFACTURER CONBRACO

Model # 29-202A-100

STEAM 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) 70 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	4/29/15	REIMERS	04316	04316
MANUAL RESET	OC	X				
PRESSURE CONTROLS						
HIGH LIMIT	OC	90	4/29/15	TECMARK	3155-ED	04296
OPERATING #1	OC	60	4/29/15	TECMARK	3156-EC	04163
OPERATING #2	OC	15	4/29/15	TECMARK	3156-EC	04163
TEMPERATURE CONTROLS						
HIGH LIMIT	N/A					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name)

Representing Installer Contractor (Name)

DATE

Signature

DATE

Signature

2 of 3



0030931

Page: 1

Work Order Traveler

SCHEDULED START: 04/17/15

0030931

DUE DATE: 04/22/15

ITEM NUMBER: **RBH20J3F**
DESCRIPTION: **BOILER RBH 20KW 415V 3PH 100#**
REVISION: 003
OPTION CODE:

QUANTITY: ~~3.00~~ 1.00
UNIT OF MEASUREMENT: EA

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
3	04701	CARTON RB 30W 35L 28.75H SLOT	3	02176	TERMINAL LUG #8 HOMAC UL/CSA
2	02240	CONDUIT ALFLEX type SWA .375"	18	04080	TERMINAL RING FOR # 8 AWG WIR
3	03844	CONDUIT CONNECTOR .375" DUPLEX	18	02741	TERMINAL RING 10-12WIRE #10STU
3	02252	CONDUIT CONNECTOR .375"STR	3	03818	TICKET HOLDER FOR SHOP CLEAR F
6	02266	CONDUIT SLEEVE .375" REDEYE	3	02475	TRANSFORMER .25KVA B WALL MT48
3	02254	CONNECTOR .375" 2 SCREW NEER	3	02490	VALVE BALL .5" 200# SWP
3	02530	CONTACTOR 50A 120V 3P UL/CSA	3	03346	VALVE BALL .5" W/LATCH 200 SWP
3	20838	CONTROLLER 04316-EBC-LED	3	02637	VALVE SAFETY .5" 100# SWP 1" O
3	04781	COUPLING .5" BRASS B16.15 125	30	04278	WIRE #10 TGGT PTFE INS. W/GLAS
3	20775-11	COVER ELEMENT TERMINALS RB REV	8	03258	WIRE #14 STRANDED TYPE TEW 600
3	20775-7	COVER RIGHT ELEC BOX RB REV3	1	02963	WIRE #14 TEW STRD 105C 600 GRE
3	04229	DECAL SHEET	12	02744	WIRE NUT IDEAL UL/CSA
3	04813	DINCONNECTOR/CORD FOR RB BOILE	6	04789	WIRE SADDLE NYLON LOCKING
3	20847	DISC, ORF-20 20KW STEAM ORIFIC	4	04186	WIRE STRD #18 BLK TEW (16/30)
3	03923	ELBOW .5" TUBE X .375" NPT SB	4	04187	WIRE STRD #18 WHITE TEW (16/30)
6	04165	ELEMENT 240V 10KW 3PH B-DIM.=1			
-6	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
6	04574	FUSE 250V 3 AMP UL/CSA			
-3	02655	FUSE 250V 5A UL/CSA			
-6	02281-TOPOG	GASKET 2.5"X .125"t TOPOG-E			
3	20862	LABEL MAX. TORQUE 40. LB IN /0			
3	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
3	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
6	03077	LOCK WASHER .25" STEEL HELICAL			
3	20840	MANIFOLD FEED WATER SUBASSY RB			
3	04668	NIPPLE .25" X 1.125" BRASS SCH			
3	04787	NUT .25-20 WING ZINC PLATED			
6	01351	NUT .25-20HEX JAM PLATE			
3	04163	PRESSURE CONTROL 60# OPERATING			
3	04296	PRESSURE CONTROL 90# HI LIMIT			
3	20842	PRESSURE CONTROL MANIFOLD RB R			
3	04661	PRESSURE GAUGE 2.0" .25" 0-160			
3	20775-9	PUMP BASE MOUNTING BRACKET			
3	20992	PUMP SUBASSY 03693 120V 1 PH			
3	04593	SCREW .25-20 X .75 HEX CAP PLA			
3	04760	SCREW 1/4"-20 X .75" PAN HEAD			
24	01291	SCREW 8-32X.25RNDHD SLT MCH ZI			
18	01246	SCREW 8-32X.375RDHD MCH PLT SL			
3	04700-HT	SKID 30" X 35.5" -HT RB rev3 H			
-3	04700	SKID 30" X 35.5" RB rev3			
3	04731	STUD PRESS-IN THREADED .25"-20			
3	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			

OPT1016

QC 4/29/15
QC 4/29/15