

CRN# _____

NATL.BD# 72332SERIAL# 74314

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NAMEPLATE RATINGS:

PART NUMBER RBH20C3F
MODEL RH-20
POWER SUPPLY WIRE SIZE 4
POWER VOLTS 208
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 20

CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 2 / 2 / 2015UL FILE # E39545WIRING DIAGRAM # 06, 91, 101, 110, 120, 136 REV 5
140 x 160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 1200 SAT ✓ UNSAT ✓
PERFORMED BY OC DATE 2/2/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100
PERFORMED BY OC
DATE 2/2/15

HEATING ELEMENT TEST

VOLTS 208 AMPS 64.1
TOTAL WATT 20K Amps tested on 240V

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED OCDATE 2/2/15MANUFACTURER 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) 105 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>OC</u>	X	<u>2/2/15</u>	REIMERS	04316	04316
PRESSURE CONTROLS						
HIGH LIMIT	<u>OC</u>	90	<u>2/2/15</u>	TECMARK	3155-ED	04296
OPERATING #1	<u>OC</u>	60	<u>2/2/15</u>	TECMARK	3156-EC	04163
OPERATING #2	N/A					
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 208 10
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

Representing Reimers Electra Steam, INC. (Name) David E. Cofhr

Representing Installer Contractor (Name) _____

DATE 2/2/15 Signature [Signature]

DATE _____ Signature _____



0030350

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Work Order Traveler

SCHEDULED START: 01/28/15

0030350

DUE DATE: 01/29/15

ITEM NUMBER: **RBH20C3F**QUANTITY: **1.00**DESCRIPTION: **BOILER RBH 20KW 208V 3PH 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	02539	CONTACTOR 75A 120V 3P UL/CSA			
1	20838	CONTROLLER 04316-EBC-LED			
1	04781	COUPLING .5" BRASS B16.15 125			
1	20775-11	COVER ELEMENT TERMINALS RB REV			
1	20775-7	COVER RIGHT ELEC BOX RB REV3			
1	04229	DECAL SHEET			
1	04813	DINCONNECTOR/CORD FOR RB BOILE			
1	20847	DISC, ORF-20 20KW STEAM ORIFIC			
1	03923	ELBOW .5" TUBE X .375" NPT SB			
2	04164	ELEMENT 208V 10KW 3PH B-DIM.=1			
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
1	02655	FUSE 250V 5A UL/CSA			
-2	02281-TOPOC	GASKET 2.5"X .125"t TOPOG-E			
1	20863	LABEL MAX. TORQUE 50. 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			
1	04163	PRESSURE CONTROL 60# OPERATING			
1	04296	PRESSURE CONTROL 90# HI LIMIT			
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	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	04731	STUD PRESS-IN THREADED .25"-20			
1	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			
6	04080	TERMINAL RING FOR # 8 AWG WIR			
1	03818	TICKET HOLDER FOR SHOP CLEAR F			
1	02490	VALVE BALL .5" 200# SWP			
1	03346	VALVE BALL .5" W/LATCH 200 SWP			
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
10	04440	WIRE #8 PTFE INS. W/GLASS SLEE			
2	04789	WIRE SADDLE NYLON LOCKING			