

CRN# _____

NATL.BD# 72736SERIAL# 74723**Reimers**
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Clear Brook, VA 22624
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NAMEPLATE RATINGS:

PART NUMBER RBH20J3F
MODEL RH-20
POWER SUPPLY WIRE SIZE 8
POWER VOLTS 415
CONTROL VOLT 120
PHASE 3
HZ 50
MAX. W.P. 100
KILOWATTS 20CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 4/17/2015UL FILE # E39545WIRING DIAGRAM # 46, 96, 101, 113, 122, 131 REV 5
140, 160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2150 SAT ✓ UNSAT OC
PERFORMED BY OC DATE 4/17/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100
PERFORMED BY OC
DATE 4/17/15

HEATING ELEMENT TEST

VOLTS 415 AMPS 16.5
TOTAL WATT 20K AMPS TESTED ON 240V

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 OCDATE 4/17/15MANUFACTURER 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) 70 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) _____ BTU/HR

MAX. TEMPERATURE _____ °F

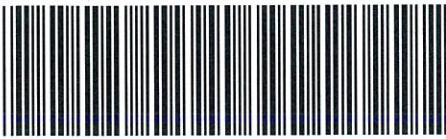
OPERATIONAL TEST	SETTING					
LOW WATER CUTOFF	PERFORMED BY	PSI/°F	DATE	MANUFACTURER	MODEL #	PART#
AUTO RESET	<u>N/A</u>	<u>X</u>	<u>4/17/15</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
MANUAL RESET	<u>OC</u>	<u>X</u>	<u>4/17/15</u>	<u>TECMARK</u>	<u>3155-ED</u>	<u>04296</u>
PRESSURE CONTROLS				<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>
HIGH LIMIT	<u>OC</u>	<u>90</u>	<u>4/17/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>
OPERATING #1	<u>OC</u>	<u>60</u>	<u>4/17/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>
OPERATING #2	<u>OC</u>	<u>15</u>	<u>4/17/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>N/A</u>					
OPERATING CONTROL						

Representing Reimers Electra Steam, INC. (Name) David E. CoffDATE 4/17/15 Signature David E. Coff

Representing Installer Contractor (Name) _____

DATE 4/17/15 Signature _____

10f2



0030857

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Work Order Traveler

SCHEDULED START: 04/10/15

0030857

DUE DATE: 04/14/15

ITEM NUMBER: **RBH20J3F**QUANTITY: ~~2.00~~ 1.00DESCRIPTION: **BOILER RBH 20KW 415V 3PH 100#**

UNIT OF MEASUREMENT: EA

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
2	04701	CARTON RB 30W 35L 28.75H SLOT	2	02176	TERMINAL LUG #8 HOMAC UL/CSA
1	02240	CONDUIT ALFLEX type SWA .375"	12	04080	TERMINAL RING FOR # 8 AWG WIR
2	03844	CONDUIT CONNECTOR .375" DUPLEX	12	02741	TERMINAL RING 10-12WIRE #10STU
2	02252	CONDUIT CONNECTOR .375"STR	2	03818	TICKET HOLDER FOR SHOP CLEAR F
4	02266	CONDUIT SLEEVE .375" REDEYE	2	02475	TRANSFORMER .25KVA B WALL MT48
2	02254	CONNECTOR .375" 2 SCREW NEER	2	02490	VALVE BALL .5" 200# SWP
2	02530	CONTACTOR 50A 120V 3P UL/CSA	2	03346	VALVE BALL .5" W/LATCH 200 SWP
2	20838	CONTROLLER 04316-EBC-LED	2	02637	VALVE SAFETY .5" 100# SWP 1" O <i>OC 4/17/15</i>
2	04781	COUPLING .5" BRASS B16.15 125	20	04278	WIRE #10 TGGT PTFE INS. W/GLAS
2	20775-11	COVER ELEMENT TERMINALS RB REV	5	03258	WIRE #14 STRANDED TYPE TEW 600
2	20775-7	COVER RIGHT ELEC BOX RB REV3	1	02963	WIRE #14 TEW STRD 105C 600 GRE
2	04229	DECAL SHEET	8	02744	WIRE NUT IDEAL UL/CSA
2	04813	DINCONNECTOR/CORD FOR RB BOILE	4	04789	WIRE SADDLE NYLON LOCKING
2	20847	DISC, ORF-20 20KW STEAM ORIFIC	3	04186	WIRE STRD #18 BLK TEW (16/30)
2	03923	ELBOW .5" TUBE X .375" NPT SB	3	04187	WIRE STRD #18 WHITE TEW (16/30)
4	04165	ELEMENT 240V 10KW 3PH B-DIM.=1			
-4	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
4	04574	FUSE 250V 3 AMP UL/CSA			
-2	02655	FUSE 250V 5A UL/CSA			
-4	02281-TOPOG	GASKET 2.5"X .125"t TOPOG-E			
2	20862	LABEL MAX. TORQUE 40. LB IN /0			
2	20860	LABEL MAX. TORQUE 7.0 LB IN /0			
2	04301	LABEL NAMEPLATE UL/CSA 3.48 X			
4	03077	LOCKWASHER .25" STEEL HELICAL			
2	20840	MANIFOLD FEED WATER SUBASSY RB			
2	04668	NIPPLE .25" X 1.125" BRASS SCH			
2	04787	NUT .25-20 WING ZINC PLATED			
4	01351	NUT .25-20HEX JAM PLATE			
2	04163	PRESSURE CONTROL 60# OPERATING <i>OC</i>			
2	04296	PRESSURE CONTROL 90# HI LIMIT <i>OC</i>			
2	20842	PRESSURE CONTROL MANIFOLD RB R			
2	04661	PRESSURE GAUGE 2.0" .25" 0-160			
2	20775-9	PUMP BASE MOUNTING BRACKET			
2	20992	PUMP SUBASSY 03693 120V 1 PH			
2	04593	SCREW .25-20 X .75 HEX CAP PLA			
2	04760	SCREW 1/4"-20 X .75" PAN HEAD			
16	01291	SCREW 8-32X.25RNDHD SLT MCH ZI			
12	01246	SCREW 8-32X.375RDHD MCH PLT SL			
2	04700-HT	SKID 30" X 35.5" -HT RB rev3 H			
-2	04700	SKID 30" X 35.5" RB rev3			
2	04731	STUD PRESS-IN THREADED .25"-20			
2	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			

OPT1016