

CRN# 65358.452618

NATL.BD#

SERIAL#

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NAMEPLATE RATINGS:

PART NUMBER RBH30M3F
MODEL RH-30
POWER SUPPLY WIRE SIZE 8
POWER VOLTS 600
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 30CERTIFICATION & REPORTING (CG-500) CSD-1
OPERATIONAL TEST/ELECTRIC AND STEAMDATE (M/D/Y) 4/24/15UL FILE # E39545WIRING DIAGRAM # 68, 91, 101, 110, 120, 131, 140 REV 5
X 160, 170, 180

DIELECTRIC VOLTAGE- WITHSTAND

TEST: (IAW U.L. 834)

VOLTS 2350 SAT ☒ UNSAT ☐
PERFORMED BY DC DATE 4/24/15HYDRO TEST OF
COMPLETE BOILERP.S.I.G. 100PERFORMED BY OC
DATE 4/24/15

HEATING ELEMENT TEST

VOLTS 600 AMPS 22.8TOTAL WATT 30K AMPS TESTED ONCHECKOUT 480V

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 600 15
23. NAMEPLATE ☒
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED OCDATE 4/24/15MANUFACTURER 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 INSIZE INREQUIRED CAPACITY (PPH = 3.5 x kW) 105 PPHREQUIRED CAPACITY (BTU/HR = 3412 x kW) BTU/HRMAX. TEMPERATURE °F

	OPERATIONAL TEST	SETTING
LOW WATER CUTOFF	PERFORMED BY	PSI/°F
AUTO RESET	<u>N/A</u>	<u>X</u>
MANUAL RESET	<u>OC</u>	<u>X</u>
PRESSURE CONTROLS		
HIGH LIMIT	<u>OC</u>	<u>90</u>
OPERATING #1	<u>OC</u>	<u>60</u>
OPERATING #2	<u>N/A</u>	
TEMPERATURE CONTROLS		
HIGH LIMIT	<u>N/A</u>	
OPERATING CONTROL		

DATE	MANUFACTURER	MODEL #	PART#
<u>4/24/15</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
<u>4/24/15</u>	<u>TECMARK</u>	<u>3155-ED</u>	<u>04296</u>
<u>4/24/15</u>	<u>TECMARK</u>	<u>3156-EC</u>	<u>04163</u>

Representing Reimers Electra Steam, INC. (Name) Daniel E. CoffeyRepresenting Installer Contractor (Name) DATE 4/24/15Signature DATE Signature



0030911

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Work Order Traveler

SCHEDULED START: 04/21/15

0030911

DUE DATE: 04/22/15

ITEM NUMBER: **RBH30M3F**
DESCRIPTION: **BOILER RBH 30KW 600V 3PH 100#**
REVISION: 003
OPTION CODE:

QUANTITY: **1.00**
UNIT OF MEASUREMENT: EACH

MAKE FOR: I/M
PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	01776	BOX 4 X 2.125 X 1.875 STEEL CI	10	04278	WIRE #10 TGGT PTFE INS. W/GLAS
1	02847	BOX COVER BLANK HANDY STEEL CI	2	04789	WIRE SADDLE NYLON LOCKING
1	04701	CARTON RB 30W 35L 28.75H SLOT			
1	02254	CONNECTOR .375" 2 SCREW NEER			
1	02530	CONTACTOR 50A 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	03923	ELBOW .5" TUBE X .375" NPT SB			
2	05116	ELEMENT 600V 15KW 3PH B-DIM.18			
-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	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			
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.25RDHD 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			
6	02741	TERMINAL RING 10-12WIRE #10STU			
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			