

Convert on overhead
CRN#

NATL.BD# 72652

SERIAL# 74639

Reimers®
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NAMEPLATE RATINGS:

PART NUMBER RBH20K3F
MODEL RH-20
POWER SUPPLY WIRE SIZE 6
POWER VOLTS 480
CONTROL VOLT 120
PHASE 3
HZ 60
MAX. W.P. 100
KILOWATTS 20

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

DATE (M/D/Y) 6/15/2015

UL FILE # E39545

WIRING DIAGRAM # _____ REV 5

DIELECTRIC VOLTAGE- WITHSTAND
TEST: (IAW U.L. 834)

VOLTS 100 SAT ✓ UNSAT _____
PERFORMED BY OC DATE 6/15/15

HYDRO TEST OF
COMPLETE BOILER

P.S.I.G. 100 DC
PERFORMED BY _____
DATE 6/15/15

HEATING ELEMENT TEST

VOLTS 480 AMPS 24.2

TOTAL WATT 20K

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 480 10
23. NAMEPLATE ✓
24. JURISDICTION = VA
25. FUEL = ELECTRIC

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

SAFETY RELIEF VALVE

OPERATIONAL TEST PERFORMED OC

DATE 6/15/15

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) 105 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

N/A

X

DATE

REIMERS

04316

04316

MANUAL RESET

OC

X

DATE

TECMARK

3155-ED

04296

PRESSURE CONTROLS

HIGH LIMIT

OC

90

DATE

TECMARK

3156-EC

04163

OPERATING #1

OC

60

DATE

OPERATING #2

DC

15

DATE

TECMARK

3156EC

04163

TEMPERATURE CONTROLS

HIGH LIMIT

N/A

OPERATING CONTROL

Representing Reimers Electra Steam, INC. (Name)

Davis E. Coffe

Representing Installer Contractor (Name)

DATE 6/15/15

Signature

D E C

DATE

Signature

0031493

Work Order Traveler

SCHEDULED START: 06/02/15

DUE DATE: 06/03/15

QUANTITY: 1.00

UNIT OF MEASUREMENT: EA

0031493

ITEM NUMBER: **RBH20K3F**DESCRIPTION: **BOILER RBH 20KW 480V 3 PH 100#**

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	02637	VALVE SAFETY .5" 100# SWP 1" O
1	02254	CONNECTOR .375" 2 SCREW NEER	10	04278	WIRE #10 TGGT PTFE INS. W/GLAS
1	02530	CONTACTOR 50A 120V 3P UL/CSA	2	04789	WIRE SADDLE NYLON LOCKING
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	04166	ELEMENT 480V 10KW 3P BDIM=18 Y			
-2	20598	FLANGE BLIND 2.5" SQ. 4 BOLT			
1	02655	FUSE 250V 5A UL/CSA			
-2	02281-TOPOG	GASKET 2.5" X .125" TOPOG-E			
1	20862	LABEL MAX. TORQUE 40. LB IN/O			
1	20860	LABEL MAX. TORQUE 7.0 LB IN/O			
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			
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	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.25RDHD SLT MCH ZI			
6	01246	SCREW 8-32X.375RDHD MCH PLT SL			
1	04731	STUD PRESS-IN THREADED .25"-20			
1	RB30-SUBASY	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			

DC 6/16/15

OPT1016

DC 6/16/15
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