

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 105689

SERIAL # 105689

DATE (M/D/Y) 8 / 17 / 2016

CRN # _____



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NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER RB30K3A

MODEL R-30

POWER SUPPLY VOLTAGE 480

CONTROL VOLTAGE 120

PHASE 3

FREQUENCY (HZ) 60

MAX. W.P. 100 15

KILOWATTS 30

POWER SUPPLY WIRE SIZE 8

(TO BE COMPLETED BY THE ENGINEERING DEPARTMENT)

WIRE DIAGRAM NO.

58,91,100,116,121,131,140,X,161,170,180 REV 5

TESTING SEQUENCE (TO BE COMPLETED BY THE QUALITY CONTROL MANAGER/CERTIFIED INDIVIDUAL)

A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY B. Butts DATE 8/17/16 SATISFACTORY YES ☒ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 2352 PERFORMED BY B. Butts DATE 8/17/16 SATISFACTORY YES ☒ NO ☐

C. SAFETY RELIEF VALVE: MANUFACTURER _____ CONBRACO Model # 19-KEDA-15BH

STEAM BOILER ☒

HOT WATER BOILER ☐

MAX. W. P. 15 PSIG (VALVE ASME PLATE)

MAX. W. P. _____ PSIG (VALVE ASME PLATE)

CAPACITY 310 PPH (VALVE ASME PLATE)

CAPACITY _____ BTU/HR (VALVE ASME PLATE)

SIZE 3/4 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 PERFORMED BY B. Butts DATE 8/17/16 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 35.8 VOLTS 480 TOTAL KW 30K

PERFORMED BY B. Butts DATE 8/17/16 SATISFACTORY YES ☒ NO ☐

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

LOW WATER CUTOFF	OPERATIONAL TEST	SETTING	DATE	MANUFACTURER	MFG. MODEL #	PART#
AUTO RESET	PERFORMED BY <u>N/A</u>	PSI/°F <u>X</u>				
MANUAL RESET	<u>B. Butts</u>	<u>X</u>	<u>8/17/16</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
PRESSURE CONTROLS						
HIGH LIMIT	<u>B. Butts</u>	<u>13.5</u>	<u>8/17/16</u>	<u>TECMARK</u>	<u>03160-EQ</u>	<u>05077</u>
OPERATING #1	<u>B. Butts</u>	<u>5</u>	<u>8/17/16</u>	<u>TECMARK</u>	<u>03160-EP</u>	<u>04162</u>
OPERATING #2	<u>N/A</u>					
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>N/A</u>					
OPERATING CONTROL						

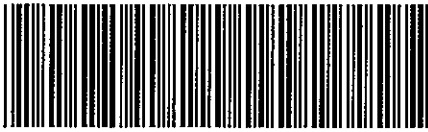
F. CHECKOUT: CHECKOUT LIST NO. _____ SATISFACTORY YES ☐ NO ☐

Rep. Reimers Electra Steam, INC. (Name) BRAD BUTTS

DATE 8/17/16 Signature Brad Butts

Rep. Installer Contractor (Name) _____

DATE _____ Signature _____



0035054

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Work Order Traveler

SCHEDULED START: 08/01/16

DUE DATE: 08/02/16

QUANTITY: 2.00

UNIT OF MEASUREMENT: EA

0035054

ITEM NUMBER: **RB30K3A**DESCRIPTION: **BOILER RB 30KW 480V 3PH 15# SA**

REVISION: 003

OPTION CODE:

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
-2	04783	BUSHING .75" X .5" BRASS B16.1			
2	04701	CARTON RB 30W 35L 28.75H SLOT			
2	02530	CONTACTOR 50A 120V 3P UL/CSA			
2	20838	CONTROLLER 04316-EBC-LED			
-2	04781	COUPLING FULL .5" BRZ ASTM B62			
2	04786	COUPLING FULL .75" BRZ ASTM B6			
2	20775-11	COVER ELEMENT TERMINALS RB REV			
2	20775-7	COVER RIGHT ELEC BOX RB REV3			
2	20848	DISC, ORF-30 30KW STEAM ORIFIC			
4	04666	ELEMENT 480V 15KW 3P BDIM 18.5			
2	02655	FUSE 250V 5A UL/CSA			
2	20840	MANIFOLD FEED WATER SUBASSY RB			
2	21051	NAMEPLATE ASME E-STAMP MINIATU			
2	04777	NIPPLE .75" X 2" BRASS SB43 SC			
2	05077	PRESSURE CONTROL 13.5# HIGH LI			
2	04162	PRESSURE CONTROL 5# OPERATING <i>BSB 8/17/16</i>			
-2	04163	PRESSURE CONTROL 60# OPERATING <i>BSB 8/17/16</i>			
-2	04296	PRESSURE CONTROL 90# HI LIMIT <i>BSB 8/17/16</i>			
2	02451	PRESSURE GAUGE 2.5" 0-30#			
2	21037	RB SOLENOID VALVE SUBASY			
2	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			
12	04183	TERMINAL RING #12-10 WIRE #8 S			
2	02490	VALVE BALL .5" 200# SWP			
2	03346	VALVE BALL .5" W/LATCH 200 SWP			
2	02010	VALVE SAFETY .75" 15# SWP 1" O <i>BSB 8/18/16</i>			
20	04278	WIRE #10 TGGT PTFE INS. W/GLAS			

OPT 1001