

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 105071

SERIAL # 105071

DATE (M/D/Y) 6/14/2016

CRN # _____



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NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER RBH20E1F

MODEL RH-20

POWER SUPPLY VOLTAGE 240

CONTROL VOLTAGE 120

PHASE 1

FREQUENCY (HZ) 60

MAX. W.P. 100

KILOWATTS 20

POWER SUPPLY WIRE SIZE 2

(TO BE COMPLETED BY THE ENGINEERING DEPARTMENT)

WIRE DIAGRAM NO. 160, 170, 180
26, 91, 101, 110, 120, 131, 140, X REV 5

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

A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY OC DATE 6/14/16 SATISFACTORY YES ☒ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 1200 PERFORMED BY OC DATE 6/14/16 SATISFACTORY YES ☒ NO ☐

C. SAFETY RELIEF VALVE: 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) 70 PPH

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

OPERATIONAL TEST PERFORMED BY OC

DATE 6/14/16 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 79.5 VOLTS 240 TOTAL KW 20K

PERFORMED BY _____ DATE _____ 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	PSI/°F				
	<u>N/A</u>	<u>X</u>				
MANUAL RESET	<u>OC</u>	<u>X</u>	<u>6/14/16</u>	<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
PRESSURE CONTROLS						
HIGH LIMIT		<u>90</u>	<u>6/14/16</u>	<u>TECMARK</u>	<u>03155-ED</u>	<u>04296</u>
OPERATING #1	<u>OC</u>	<u>80</u>	<u>6/14/16</u>	<u>TECMARK</u>	<u>03156-EC</u>	<u>04163</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) D. David E. Goff

DATE 6/14/16 Signature _____

Rep. Installer Contractor (Name) _____

DATE _____ Signature _____



0034579

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Work Order Traveler

SCHEDULED START: 05/24/16

DUE DATE: 05/25/16

0034579

ITEM NUMBER: RBH20E1F

DESCRIPTION: BOILER RBH 20KW 240V 1 PH 100#

REVISION: 003

OPTION CODE:

QUANTITY: 1.00
UNIT OF MEASUREMENT: EACH

MAKE FOR: I/M

PLANNER:

QTY	PART	DESCRIPTION	QTY	PART	DESCRIPTION
1	04701	CARTON RB 30W 35L 28.75H SLOT			OPT1008
2	02530	CONTACTOR 50A 120V 3P UL/CSA			
1	20838	CONTROLLER 04316-EBC-LED			
1	20775-11	COVER ELEMENT TERMINALS RB REV			
1	20775-7	COVER RIGHT ELEC BOX RB REV3			
1	20847	DISC, ORF-20 20KW STEAM ORIFIC			
2	04165	ELEMENT 240V 10KW 3PH B-DIM.=1			
1	02655	FUSE 250V 5A UL/CSA			
2	04225	GROMMET 13/16" DIA (PK OF 25)			
1	20840	MANIFOLD FEED WATER SUBASSY RB			
1	20775-13	POWER CABINET FOR 2-PH RB BOIL			
1	04163	PRESSURE CONTROL 60# OPERATING	OC	6/14/14	
1	04296	PRESSURE CONTROL 90# HI LIMIT	OC	6/14/14	
1	04661	PRESSURE GAUGE 2.0" .25" 0-160			
1	20992	PUMP SUBASSY 03693 120V 1 PH			
1	RB30-SUBAS	SUBASSEMBLY RB 10 THRU 30 BOIL			
6	04080	TERMINAL RING FOR # 8 AWG WIR			
1	02490	VALVE BALL .5" 200# SWP			
1	03346	VALVE BALL .5" W/LATCH 200 SWP	OC	6/14/14	
1	02637	VALVE SAFETY .5" 100# SWP 1" O			
13	04440	WIRE #8 PTFE INS. W/GLASS SLEE			