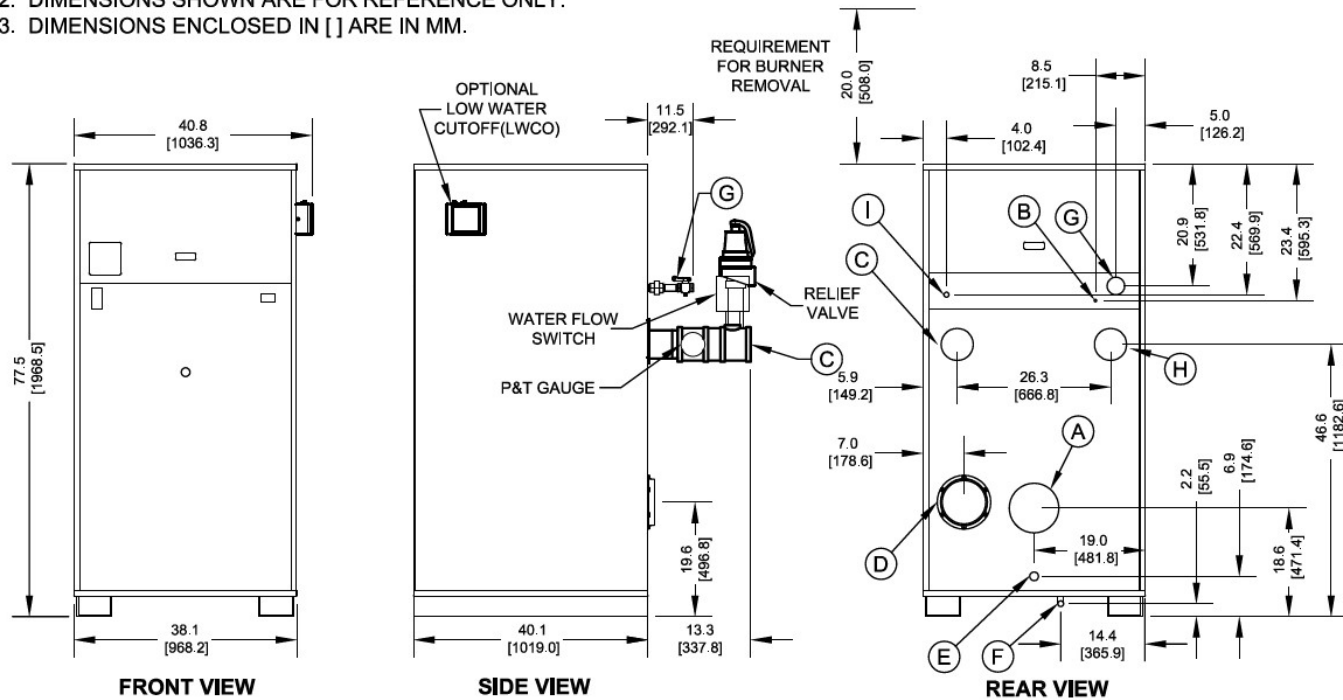


NOTES:

1. SEE O&M FOR REQUIRED INSTALLATION CLEARANCES.
2. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
3. DIMENSIONS ENCLOSED IN [] ARE IN MM.



KEY	DESCRIPTION	
A	Flue Outlet	8" [203.2] Diameter (AL29-4C SS)
B	Factory Installed Pilot Gas Li	1/4" [6/4] O.D. Tube
C	Water Supply to System	4" NPT
D	Inlet Air	8" [203.2] Diameter
E	Drain, Startup Condensate	5/8" [15.9] O.D. Tube SS
F	Appliance Drain	1" NPT
G	Gas Supply	2" NPT
H	Water Return from System	4" NPT
I	Optional Gas Train Vent	3/4" NPT (D.B.&B & D.B.&B w/ POC Only)

NOTES:

1. SEE O&M FOR REQUIRED INSTALLATION CLEARANCES.
2. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
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Submittal Data Sheet

RATINGS AND CAPACITIES

Input (MBH):	2,500,000	BTU/HR
Output (MBH):	2,170,000	BTU/HR
Boiler Horsepower:	64.8	BTU/HR
Thermal Efficiency:	86.8%	BHP
Heating Surface:	518	Sq.Ft.
Water Content:	41.6	Gallons
Fuel:	Natural Gas or LP Gas	
Firing Rate:	Reliable Modulation	
Burner Turndown:	3:1	
Low NOx Emissions:	<10 ppm	
Inlet Gas Pressure (NG):	See Chart at right	
Inlet Gas Pressure (LP):	See Chart at right	

* This data supercedes data found on Table 3 of I&O Manual, per PRODUCT UPDATE issued June 6, 2024.

Shipping Weight, Approximate: 2,052 lbs

ASME Section IV (Max 160 PSIG / 250°F)

Setpoint range is 145-230°F

Adjustable, manual reset high limit setting of ≤ 240°F.

ASME H stamp MAWT is 250°F for the vessel. (For max setpoint, see Setpoint range.)

UL Certified to ANSI Z21.13 / CSA 4.9

UL Certified to UL 795 / CSA 3.1



DIMENSIONS / CONNECTIONS

Height:	77 1/2"	(Note 1)
Width:	38 1/8"	(Note 2)
Length:	40 1/8"	(Note 3)
Supply Connection:	4"	
Return Connection:	4"	
Vent / Air Intake Connections:	8" Vent	8" Intake
Condensate / Appliance Drain Connection:	5/8" Condensate Tube	1" NPT Drain
Gas Connection:	2"	

NOTES:

1. Height dimension is from floor to top of jacket.

2. Length is from jacket front to jacket rear.

3. Dimensions shown are for reference only

FLows AND PRESSURE DROPS

Delta T	Flow (GPM)	ΔP (Ft. Hd)
20°FΔT	217 (Max)	4.34
40°FΔT	109 (Min)	1.43

Electrical Supply Options

	120v/60hz/1ph (Standard)	N/A
☐	208v/60hz/1ph	8 amps
☐	230v/60hz/1ph	7.8 amps
☐	208v/60hz/3ph	7.4 amps
☐	230v/60hz/3ph	7.3 amps
☐	460v/60hz/3ph	3.7 amps

Blower Motor (hp)

1-1/2

Relief Valve Options

☐	30 psi	☐	50 psi	☐	60 psi
☐	75 psk	☐	100 psi	☐	125 psi
☐	150 psi				

Inlet Gas Pressure

SIZE	Nat. Gas Min. ("w.c.)	LP Min. ("w.c.)	Max
500	5.0" w.c.	8.0" w.c.	14.0" w.c.
750	7.0" w.c.*		
1000	7.0" w.c.*		
1500	7.0" w.c.*		
2000	9.0" w.c.*	9.0" w.c.	
2000s	7.0" w.c.	8.0	
2500	6.0" w.c.		
3000	6.0" w.c		

* NOTE: Optional natural gas train with 4" w.c. minimum inlet gas pressure ONLY AVAILABLE on sizes 750, 1000, 1500 & 2000.

Submittal Data Sheet

STANDARD EQUIPMENT		OPTIONAL EQUIPMENT													
PRESSURE VESSEL DESIGN Copper Fin-tube construction Carbon steel or cast iron header design Gasketless heat exchanger ASME Section IV certified "H" stamp MAWP 160 PSI & max design temp 250°F 5-year heat exchanger warranty 20-year thermal shock warranty	BOILER EQUIPMENT Siemens RWF55 operating control High limit w/ manual reset safety temperature control Water flow switch Low water cut-off with manual reset safety controller Outlet temperature sensor Combustion air switch Pressure and temperature gauge Safety relief valve (Optional pressure 30 - 150 PSI; See details above.) Single point electrical supply: (Available in: 1 and 3 phase options. See details above.)	OPTIONAL EQUIPMENT Low gas pressure venturi, 4" wc (AVAILABLE ONLY on Models 750-2000) [FACTORY INSTALLED OPTION ONLY] ☐ Line Reactor Adds voltage / spike protection for the blower's VFD. (<i>Highly recommended for areas with dirty voltage.</i>) ☐ Honeywell 7800 Series display with ModBus Module Line Reactor Adds voltage / spike protection for the blower's VFD. (<i>Highly recommended for areas with dirty voltage.</i>) ☐ Outdoor Air Sensor ☐ Condensate neutralizer: ☐ 850 MBH ☐ 1,200 MBH ☐ 2,000 MBH ☐ 5,000 MBH ☐ Pump Kit (Boiler Circulation Pump, Pump Flange Kit Sized based on a 20°F Delta T) ☐ Annual Maintenance Kit ☐ System Temperature Sensor ☐ ModBus RS485 communication for Siemens RWF55 and Honeywell Flame Safeguard Control (Boiler to BMS System) ☐ Universal comms. gateway (BACnet MS/TP, BACnet/IP, N2, Modbus TCP) ☐ Local / remote switch ☐ Alarm bell with silencing switch ☐ Relays: ☐ General Alarm ☐ Boiler Status ☐ Conductor Sequencing Panel: Req. for multiple EVA applications without BMS. Contact your RSM with Questions.) * NOTE: Optional natural gas train The Conductor Sequencing Panel manages multiple condensing & non-condensing, small & large heat output, new and/or existing boilers (full modulation), and steam or hot water applications. It helps improve system efficiency by selecting and modulating the right boiler to match operating conditions. The Conductor offers a single point boiler plant Energy Management System (EMS) interface including Modbus TCP/IP, Modbus RTU RS485, BACnet/IP and BACnet MSTP standard. If Lonworks needed, add for the separate Lonworks gateway.													
COMBUSTION DESIGN Maintenance-free ceramic burner Ultr-low NOx emissions (<10ppm) Whisper quiet operation (<50 dBA) Easy to service, 99% efficient industrial air filter Industrial cast aluminum blower assembly VFD Driven Blower Reliable electric spark-to-pilot ignition 10-year burner warranty Honeywell UV-Scanner	BURNER EQUIPMENT UL/FM/CSD-1 gas train Reliable Turndown Natural or LP gas Pilot gas valve / Pilot gas regulator Siemens SKP-75 gas valve Low and high gas pressure switches with manual reset														
VENTING Sealed or room air combustion Direct vent (sidewall or vertical) (Cat IV) Conventional venting (Cat II) <i>NOTE: This is NOT a Cat 1 Vent appliance.</i>	SIEMENS RWF55 OPERATING CONTROL FEATURES Adjustable set point Remote set point (0-10v or 4-20 mA) Outdoor air temperature reset														
		Extended Warranty Options Available: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>3-Year</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>5-Year</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>10 Year</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: left;"><u>Parts Only</u></td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> <tr> <td style="text-align: left;"><u>Parts and Labor</u></td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> </tbody> </table>			<u>3-Year</u>	<u>5-Year</u>	<u>10 Year</u>	<u>Parts Only</u>	☐	☐	☐	<u>Parts and Labor</u>	N/A	☐	☐
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<u>Parts and Labor</u>	N/A	☐	☐												