



PRODUCT SELECTION GUIDE



Quality
Value &
Service

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Velocity Boiler Works

**is a leader in Hydronic
Heating Technologies.**

Velocity

delivers Residential and Commercial Oil and Gas-Fired Cast Iron Boilers, Stainless Steel Condensing Boilers, Indirect Water Heaters, and Warm Air Oil Furnaces with the guiding principles of offering quality products with outstanding customer service at competitive pricing.

Product Notes:

The NET AHRI Steam Ratings shown are based on a Piping and Pickup Allowance of 1.333.

The NET AHRI Water Ratings shown are based on a Piping and Pickup Allowance of 1.15.

The Manufacturer should be consulted before selecting a boiler for installations having unusual Piping Pickup requirements, such as Intermittent System Operation, Extensive Piping Systems, etc.

Not all models are suitable for installation with all fuels or altitudes. Refer to Product Specific Literature or Manual for complete details.





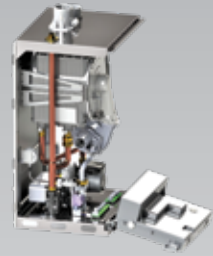
PHANTOM[®]

COMBI II


**Condensing - Direct Vent - Stainless Steel
Gas-Fired – Adaptive Combustion
Hot Water - Water Tube**

- 95% AFUE with 10:1 turndown ratio
- Heat Input - 13.6-120 MBH Input
- Domestic Hot Water - Up to 3.7 GPM at 70 degree rise
- Low Loss Header Included
- Field Convertible to LP

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- Easy access to key components
- Fully removable front & side panels
- Drop down control center

Space Heating Ratings						Dimensions			Domestic Hot Water (DHW) Ratings ¹						Shipping Weight (lbs)
Model	Input ² (MBH)		DOE Heating Capacity (MBH)	AHRI Net Rating ³ (MBH)	 AFUE %	Depth (in)	Width (in)	Height (in)	Input ² (MBH)		Hot Water Draw Limits GPM				
	Min	Max							Min	Max	Max			Min ⁴	
											70°F Rise	77°F Rise	90°F Rise		
PHTM2136C	13.6	120	112	97	95.0	16.3	17.8	29.8	13.6	136	3.7	3.4	2.9	0.5	112
PHTM2200C	20	150	141	123	95.0	20.4	17.8	29.8	20	200	5.2	4.7	4.0	0.5	135

¹ DHW ratings are not AHRI certified.

² Input and DHW draw limits for elevations up to 2,000 ft. with min vent length. See Table 3-3 in installation manual for derate at max vent length.

³ Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

⁴ Min DHW flow rate required through boiler to initiate DHW demand. Higher flow rate through fixture may be required due to mixing at tempering valve and/or fixture itself.



PHANTOM[®]

II


**Condensing - Direct Vent - Stainless Steel
Gas-Fired – Adaptive Combustion
Hot Water - Water Tube**

- 95% AFUE with 10:1 Turndown
- Four Sizes - 80, 120, 150, 180 MBH input
- 2" venting standard
- 5-year parts warranty
- Field convertible to LP

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- Easy access to key components
- Fully removable front & side panels
- Drop down control center

Space Heating Ratings						Dimensions and Connections					Shipping Weight (lbs)
Model	Input ¹ (MBH)		DOE Heating Capacity (MBH)	AHRI Net Rating ² (MBH)	AFUE	Depth (in)	Width (in)	Height (in)	Space Heating Water sweat, (in)	Gas NPT	
	Min	Max									
PHTM2080H	8 ³	80	75	65	95.0	16.3	17.8	29.8	1	1/2	107
PHTM2120H	13.6	120	112	97	95.0	16.3	17.8	29.8	1	1/2	112
PHTM2150H	20	150	141	123	95.0	20.4	17.8	29.8	1	1/2	132
PHTM2180H	20	180	169	147	95.0	20.4	17.8	29.8	1	1/2	132

¹ Input for elevations up to 2,000 ft. with min vent length. See Table 3-3 for vent diameter connection sizes and derate at max vent length.

² Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.

³ For altitudes above 2,000 ft., PHNTM2080H minimum input increased to 10 MBH.



PHANTOM-X™

**Condensing - Direct Vent - Stainless Steel
Gas-Fired - Hot Water - Water Tube**

- Two Sizes: 210-285
- 5:1 turndown ratio
- Up to 95% AFUE (PHNTM 210-285)
- Stackable for floor space savings
- Natural gas and LP applications - consult manual

SPACE HEATING RATINGS



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MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	HEATING CAPACITY (MBH)	NET AHRI WATER RATING (MBH)	AFUE (%)	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
PHNTM210	210	42	194	169	95.0**	16-11/16	23-15/16	32-3/16	3	206
PHNTM285	285	57	262	228	95.0**	16-11/16	21-13/16	43-7/16	3	256



RAPTOR FIRETUBE

**Condensing - Direct Vent - Gas-Fired
Stainless Steel - Fire Tube Design - Hot Water**


- Up to 96% AFUE
- 10:1 turndown ratio
- Five sizes: 85-270 MBH heat only
- 5-year parts warranty
- Field convertible to LP gas with optional kit

SPACE HEATING RATINGS



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MODEL	INPUT (MBH) MIN-MAX	HEATING CAPACITY (MBH)	NET AHRI WATER RATING (MBH)	 AFUE (%)	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
RPTR085HB	8.5 - 85	79	69	96.0	19-13/16	20	33-5/16	2 or 3	140
RPTR110HB	11 - 110	103	90	96.0	19-13/16	20	33-5/16	2 or 3	145
RPTR155HB	15.5 - 155	145	126	95.0	19-13/16	20	33-5/16	3	160
RPTR205HB	20.5 - 205	189	164	95.0	19-13/16	21	33-5/16	3	175
RPTR270HB	27 - 270	252	219	95.0	19-13/16	21	33-5/16	3	185



ARUBA

(AWR SERIES)

**Cast Iron - Gas-Fired - Hot Water
Atmospheric Vent**

- 84.0% AFUE
- Eight sizes: 38-280 MBH
- Natural gas & LP models available
- Boiler easily field convertible to left side piping
- Controls located inside the jacket and easily accessible from the front of boiler
- LWCO Standard

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SPACE HEATING RATINGS					AHRI CERTIFIED™ www.ahri.org					
MODEL	NATURAL GAS & LP GAS			AFUE (%)	NO. OF SECS.	W (IN)	D (IN)	H (IN)	VENT DIAM. (IN)	APPROX. SHIPPING WEIGHT (LBS)
	INPUT (MBH)	HEATING CAPACITY (MBH)	NET AHRI WATER RATING (MBH)							
AWR038B	38	32	28	84.0	2	9-3/4	31-1/2	39-1/2	4	234
AWR070B	70	59	51	84.0	3	12-7/8	31-1/2	39-1/2	4	284
AWR105B	105	88	77	84.0	4	15-3/8	31-1/2	39-1/2	5	334
AWR140B	140	117	102	84.0	5	18-1/2	31-1/2	39-1/2	6	384
AWR175B	175	146	127	84.0	6	21-1/2	31-3/4	39-1/2	7	434
AWR210B	210	176	153	84.0	7	24-5/8	33-1/2	39-1/2	7	484
AWR245B	245	205	178	84.0	8	27-5/8	33-1/2	39-1/2	8	533
AWR280B	280	234	203	84.0	9	30-3/4	33-1/2	39-1/2	8	583



BALI 2 (BWF SERIES)

**Cast Iron - Gas-Fired
Hot Water - Power Vent**

- Cast iron heat exchanger and stainless steel burners
- Integral fan for sidewall venting
- Six sizes available in natural or LP gas
- Limited lifetime warranty
- LWCO standard equipment
- Optional direct vent kit available
- Boiler easily field convertible to left side piping

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BWF Space Heating Ratings						# of Sections	'A' Width	Connection Size		Water Content	Approx. Shipping Weight	Optional Direct Vent Kit
Basic Boiler Model	Fuel	Input	Heating Capacity	Net AHRI Rating, Water	AFUE			Gas	Vent			
		MBH	MBH	MBH	%			(NPT)	(inch)			
BWF070BN	NAT. GAS	70	60	52	85.0	3	12-3/4	1/2	3	2	260	110019-03
BWF105BN	NAT. GAS	105	90	78	85.0	4	15-1/2	1/2	3	3	310	110019-04
BWF140BN	NAT. GAS	140	120	104	85.0	5	18-1/2	1/2	3	4	360	110019-05
BWF175BN	NAT. GAS	175	150	130	85.0	6	21-1/2	1/2	3	5	415	110019-06
BWF210BN	NAT. GAS	210	179	156	85.0	7	24-3/4	3/4	3	6	470	110019-07
BWF245BN	NAT. GAS	245	208	181	84.0	8	27-3/4	3/4	4	7	525	110019-08
BWF063BL	PROPANE	63	54	47	85.0	3	12-3/4	1/2	3	2	260	110019-03
BWF094BL	PROPANE	94.5	81	70	85.0	4	15-1/2	1/2	3	3	310	110019-04
BWF126BL	PROPANE	126	108	94	85.0	5	18-1/2	1/2	3	4	360	110019-05
BWF157BL	PROPANE	157.5	135	117	85.0	6	21-1/2	1/2	3	5	415	110019-06
BWF189BL	PROPANE	189	161	140	85.0	7	24-3/4	3/4	3	6	470	110019-07
BWF220BL	PROPANE	220.5	187	163	84.0	8	27-3/4	3/4	4	7	525	110019-08

Direct Vent Kit is included with high altitude models.

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BERMUDA

Cast Iron - Gas-Fired
Atmospheric Vent
(BSI SERIES)



- Up to 82.2% AFUE
- Seven sizes 69-276 MBH
- Natural gas & LP models available
- Fully assembled or available as knock-down package
- Near boiler piping kit available separately for ease of installation

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BSI SPACE HEATING RATINGS NATURAL AND LP GAS						NO. OF SEC.	DIMENSIONS (IN.)				SHIPPING WEIGHT (LBS)
CROWN MODEL NUMBER	INPUT (MBH)	HEATING CAPACITY (MBH)	AHRI NET RATING STEAM (MBH)		AFUE (%)		“A” (in)	“B” (in)	“C” (in)	“D” (in)	
			SQ. FT.	MBH							
BSI069	69	57	179	43	82.0	3	12-3/4	28	40-7/16	4	365
BSI103	103	85	267	64	82.0	4	16	28	40-7/16	5	432
BSI138	138	113	354	85	82.0	5	19-1/4	28	40-7/16	6	504
BSI172	172	142	446	107	82.1	6	22-1/2	28	40-7/16	6	589
BSI207	207	171	533	128	82.1	7	25-3/4	30	40-7/16	7	669
BSI241 [†]	241	199	621	149	82.2	8	29	30	40-7/16	7	745
BSI276 [†]	276	229	717	172	82.2	9	32-1/4	30	40-7/16	8	826

1. Not for use at altitudes above 2,000 ft. in natural or LP gas.

†Available as semi-packaged boiler.



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TOBAGO Cast Iron - Oil-Fired - Water Atmospheric Vent (TWB SERIES)

- ENERGY STAR® rated with efficiencies up to 87.3%
- Three physical sizes with firing rates from 0.65-1.90 GPH
- Beckett AFG burner standard; Carlin & Riello burners optional on most sizes
- Burner packaged separately for easier handling
- Optional front-mounted tankless coil for domestic hot water supply
- Hydrolevel Hydrostat with low water cut off



TWB SPACE HEATING RATINGS					NO. OF SECS.	TANKLESS HEATER (GPM)	DIMENSIONS			SHIPPING WEIGHT (LBS)
CROWN MODEL NUMBER	BURNER INPUT	HEATING CAPACITY	AHRI NET RATING WATER	AFUE (%)			"A"	"B"	"C"	
	(GAL/HR)	(MBH)	(MBH)	(%)			(in.)	(in.)	(in.)	
TWB065	0.65	80	70	87.3*	3	2.75	17-3/8	8-15/16	6	560
TWB075	0.75	92	80	87.0*	3	3.00	17-3/8	8-15/16	6	560
TWB100	1.00	122	106	86.3	3	3.25	17-3/8	8-15/16	6	560
TWB125	1.20	148	129	87.0*	4	3.75	22-3/8	10-13/16	7	680
TWB150	1.50	182	158	86.0	4	4.00	22-3/8	10-13/16	7	680
TWB175	1.75	214	186	86.4	5	4.25	27-3/8	13-5/16	8	800
TWB200	1.90	231	201	86.1	5	4.75	27-3/8	13-5/16	8	800



* ENERGY STAR® certified product

Notes: 1. Net Ratings are based on piping and pick-up allowances of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

2. Burner Capacity Rating, GPH is based on #2 oil with a Gross Heating Value equal to 140000 BTU/Gal.

3. Tankless heater ratings based on 40F inlet water, 140F outlet water, and 190F boiler water. Ratings are also based on 5 minute intermittent draws with 10 minutes between draws.



FREEPORT II Cast Iron - Oil-Fired - Hot Water Atmospheric Vent (FWZ SERIES)

- Six sizes: 0.60-1.60 GPH
- Swing door with burner disconnect plug for easy access to all heating surfaces through the front
- Beckett AFG burner standard; Carlin & Riello burners optional on most sizes

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SPACE HEATING RATINGS					NO. OF SECS.	W (IN)	D (IN)	H (IN)	VENT DIAM. (IN)	APPROX. SHIPPING WEIGHT (LBS)
MODEL	BURNER INPUT ¹ (GPH)	HEATING CAPACITY (MBH)	NET AHRI WATER RATING (MBH)	AFUE (%)						
FWZ060	0.60	73	63	86.0	2	20-3/4	16-1/4	31-1/2	5	430
FWZ080	0.80	97	84	86.3	2	20-3/4	16-1/4	31-1/2	5	430
FWZ081	0.80	99	86	87.0*	3	20-3/4	22-1/4	31-1/2	6	545
FWZ100	1.00	123	107	87.0*	3	20-3/4	22-1/4	31-1/2	6	545
FWZ130	1.30	160	139	87.0*	4	20-3/4	28-1/4	31-1/2	6	658
FWZ160	1.60	197	171	87.0*	5	20-3/4	34-1/4	31-1/2	7	771

1. Input based on 140 MBH per gallon #2 fuel oil



FREEPORT II

(FSZ SERIES)

**Cast Iron - Oil-Fired - Steam
Atmospheric Vent**

- Up to 86.0% AFUE
- Four sizes: 0.80-1.60 GPH
- Optional side-mounted tankless coil for domestic hot water
- Near boiler piping kit available separately for ease of installation

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SPACE HEATING RATINGS

MODEL	BURNER INPUT ² (GPH)	HEATING CAPACITY (MBH)	NET AHRI STEAM RATING		AFUE (%)	NO. OF SECS.	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	TANKLESS HEATER (GPM) ¹	APPROX. SHIPPING WEIGHT (LBS)
			(MBH)	(SQ. FT.)								
FSZ080	0.80	97	73	303	85.7	3	22-1/2	22-1/4	38-1/2	6	3.00	607
FSZ100	1.00	122	92	381	86.0	3	22-1/2	22-1/4	38-1/2	6	3.25	607
FSZ130	1.30	158	119	494	86.0	4	22-1/2	28-1/4	38-1/2	6	3.50	744
FSZ160	1.60	195	146	610	85.9	5	22-1/2	34-1/4	38-1/2	7	4.00	881

1. Tankless heater ratings based on an average temperature rise of 90°F with 200°F boiler water temperature and 40°F heater inlet temperature (intermittent draw).

2. Input based on 140 MBH per gallon #2 fuel oil.



KINGSTON

(KSB SERIES)

**Cast Iron - Oil-Fired - Steam
Atmospheric Vent**

- Efficiencies up to 86.4% AFUE
- Three physical sizes with firing rates from 0.65-1.90 GPH
- Optional side-mounted tankless coil for domestic hot water
- Beckett AFG burner standard; Carlin & Riello burners optional on most sizes
- Burner packaged separately for easier handling
- Near boiler piping kit available separately for ease of installation

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KSB SPACE HEATING RATINGS

CROWN MODEL NUMBER	BURNER INPUT	HEATING CAPACITY	AHRI NET RATING STEAM		AFUE (%)	NO. OF SECS.	TANKLESS HEATER				SHIPPING WEIGHT
	(GAL/HR)	(MBH)	(Sq. Ft.)	(MBH)			(GPM)	"A"	"B"	"C"	
	(in.)	(in.)	(in.)								(LBS)
KSB065	0.65	79	246	59	85.1	3	2.25	17-3/8	8-15/16	6	570
KSB075	0.75	91	283	68	85.7	3	2.25	17-3/8	8-15/16	6	570
KSB100	1.00	121	379	91	85.0	3	2.50	17-3/8	8-15/16	6	570
KSB125	1.20	147	458	110	86.4	4	2.75	22-3/8	10-13/16	7	690
KSB150	1.50	181	567	136	85.1	4	3.00	22-3/8	10-13/16	7	690
KSB175	1.75	212	663	159	85.6	5	3.25	27-3/8	13-5/16	8	810
KSB200	1.90	230	721	173	85.3	5	3.50	27-3/8	13-5/16	8	810

Notes:

1. Net Ratings are based on piping and pick-up allowances of 1.333. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

2. Burner Capacity Rating, GPH is based on #2 oil with a Gross Heating Value equal to 140000 BTU/Gal.

3. Tankless heater ratings based on 40F inlet water, 140F outlet water, and 190F boiler water. Ratings are also based on 5 minute intermittent draws with 10 minutes between draws.



PHANTOM-X™

**Condensing - Direct Vent - Stainless Steel
Gas-Fired - Hot Water - Water Tube**

- Five Sizes: 399-800 MBH
- 5:1 turndown ratio
- Up to 97% thermal efficiency
- Stackable for floor space savings
- Natural gas and LP applications - consult manual

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SPACE HEATING RATINGS



MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	HEATING CAPACITY (MBH)	NET AHRI WATER RATING (MBH)	THERMAL EFFICIENCY	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
PHNTM399C	399	80	375*	326	94.1†	16-7/8	31-3/16	43-1/2	4	316
PHNTM500C	500	100	485*	422	97.0†	16-7/8	46-1/2	35-1/16	4	368
PHNTM600C	625	125	594*	517	95.0†	16-7/8	49-1/2	35-1/16	6	458
PHNTM700C	725	145	689*	599	95.0†	16-7/8	49-1/2	35-1/16	6	458
PHNTM800C	800	160	760*	661	95.0†	16-7/8	53-5/16	35-1/16	6	500

*Gross output

†Thermal efficiency



ENERGY STAR® certified product



RAPTOR-X® FIRETUBE

**Condensing - Direct Vent - Stainless Steel
Gas-Fired - Hot Water - Fire Tube**

- 95% thermal efficiency
- 10:1 turndown ratio
- Two sizes: 320 & 399 MBH
- Field convertible to LP gas with optional kit
- Can be floor or wall mounted

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SPACE HEATING RATINGS



MODEL	INPUT MIN-MAX (MBH)	HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	THERMAL EFFICIENCY %	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
RPTR320HB	32-320	304	264	95.0	23	22.4	45.28	4	270
RPTR399HB	39.9-399	379	330	95.0	23	22.4	45.28	4	275





SERIES 24 Gas-Fired Steam

- Nine sizes: 476-1863 MBH gross output
- Cast iron sectional heat exchanger and push nipples
- Easily assembled with short individual draw rods
- Optional tankless heater for domestic hot water
- Top or rear vent connections

SERIES 24 STEAM (GAS-FIRED)

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SPACE HEATING RATINGS											
CROWN BOILER MODEL	HORSE- POWER	GROSS OUTPUT (MBH)	AHRI NET RATING		BURNER INPUT	THERMAL EFFICIENCY % STEAM	WATER CONTENT (GAL.)	BOILER WEIGHT w/WATER (LBS.)	NO. OF SEC.	VENT COLLAR DIA. (IN.)	APPROX. SHIPPING WEIGHT (LBS)
			SQ. FT. STEAM	MBH STEAM	GAS (MBH)	GAS	STEAM	STEAM			
24-04	14.1	476	1488	357	594	80.1	53.0	1811	4	7	1590
24-05	18.9	634	1983	476	792	80.1	61.5	2184	5	8	1902
24-06	23.8	793	2479	595	990	80.1	70.0	2557	6	8	2218
24-07	28.0	940	2938	705	1174	80.1	78.5	2930	7	8	2534
24-08	32.5	1089	3404	817	1358	80.2	87.0	3303	8	10	2846
24-09	39.3	1316	4133	992	1641	80.2	95.5	3676	9	10	3227
24-10	45.0	1497	4758	1142	1867	80.2	104.0	4048	10	10	3559
24-11	50.5	1681	5396	1295	2093	80.3	112.5	4421	11	12	3870
24-12	55.3	1863	5850	1404	2320	80.3	121.0	4794	12	12	4197

Notes:

1. Trim suffix S = Steam Boiler
Fuel suffix N = Natural Gas
 2. I=B=R net ratings shown are based on piping and pick-up allowances which vary from 1.333 to 1.289 for steam. Consult manufacturer for installations having unusual piping and pick-up requirements, such as intermittent system operation, extensive piping systems, etc.
 3. Firebox volume does not include added volume of 8" extended burner mounting plate (BMP). If 8" BMP is specified (refer to Figure 1), add 0.7 cu. ft. to volume listed above.
 4. Boiler ratings are based on 9.7% CO₂ (natural gas), + .10" (inches) water column pressure at boiler flue outlet. Ratings shown above apply at altitudes up to 2,000 feet on gas. For altitudes above those indicated, the ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
- Maximum Allowable Working Pressure: Steam Boiler – 15 PSI,
Standard Safety (Relief) Valve Set Pressure: Steam Boiler – 15 PSI

COMMERCIAL

NON-CONDENSING

STEAM


GAS



SERIES 49 Cast Iron - Gas-Fired - Steam Atmospheric Vent

- Tappings on both end sections, return can be piped left or right
- Cast iron sectional heat exchanger
- Natural Gas Only
- Sectional knock-down (299 to 550 MBH)
- 2" Skim taping

SERIES 49 STEAM (NG-FIRED ONLY)

Space Heating Ratings				
				

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Boiler Model	Input (MBH)	Heating Capacity (MBH)	Net AHRI Rating		AFUE ² (%)	No. Of Sections	W (In.)	H (In.)	D (In.)	Nominal Vent Dia. ³ (In.)	Supply (NPT)	Return (NPT)	Gas Conn ⁴ (NPT)	Approx. Shipping Weight (Lbs)
			MBH	Sq. Ft.										
49-299S	299	246	185	771	82.0	7	36-9/16	40-3/4	40	8	(2) 2	2	3/4	881 ⁵
49-350S	350	284 ¹	213	890	81.0 ²	8	41-5/8	40-3/4	40	6 & 7	(3) 2	2	1/2 & 3/4	1008 ⁵
49-399S	399	323 ¹	242	1,012	81.0 ²	9	46-11/16	40-3/4	40	6 & 8	(3) 2	2	1/2 & 3/4	1123 ⁵
49-450S	450	365 ¹	274	1,143	81.0 ²	10	51-3/4	40-3/4	40	7 & 8	(4) 2	2	3/4 & 3/4	1239 ⁵
49-500S	500	405 ¹	304	1,269	81.0 ²	11	56-13/16	40-3/4	40	7 & 8	(4) 2	2	3/4 & 3/4	1354 ⁵
49-550S	550	446 ¹	335	1,397	81.0 ²	12	61-7/8	40-3/4	40	8 & 8	(4) 2	2	3/4 & 3/4	1469 ⁵

¹ Gross output on models with inputs over 300MBH

² Thermal efficiency on models with inputs over 300MBH

³ e.g. 6 & 7 indicates both 6 and 7 inch collar diameters (see installation manual)

⁴ e.g. 1/2 & 3/4 indicates both 1/2 and 3/4 inch gas connections

⁵ Weight for knock-down units



MEGA-STOR[®] II (MS2)

Stainless Steel - Indirect Water Heater

- Five sizes: 30-119 gallon
- Rugged design with coated steel jacket and heavy duty polymer top and bottom to resist cracks and abrasions (Available on sizes 30-75 only)
- Large diameter and smooth surface stainless steel coil maintains superior performance over the life of the tank
- Adjustable feet for uneven floors (Available on sizes 30-75 ONLY)

AHRI Performance Ratings



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Model	First Hour Rating	Continuous Draw Rating	Standby Loss (°F/hr)	Minimum Boiler Output (MBH)	Boiler Water Through Coil		POTABLE VOLUME (GAL)	D (IN)	H (IN)	APPROX SHIPPING WEIGHT (LBS)
	(Gal/hr)	(Gal/hr)			Min Flow (Gal/min)	Head Loss (ft w.c.)				
MS2-030	162	138	1.4	87	8.0	2.6	30.1	23-1/2	33-1/8	69
MS2-040	192	162	1.1	101	8.0	2.8	37.9	23-1/2	39-3/8	82
MS2-050	236	193	0.9	121	8.0	2.9	50.6	23-1/2	49-3/4	112
MS2-075	307	238	1.0	150	8.0	4.5	74.0	23-1/2	68-3/4	146
MS2-119	497	417	1.4	264	14.0	4.2	111.3	30-3/4	62-7/8	251



MEGA-STOR BUFFER TANK

- Available in 3 sizes (30, 50, 75)
- Rugged design with coated steel jacket and heavy-duty polymer top and bottom
- Tank cylinder made of 444 stainless steel
- Adjustable feet for uneven floors
- 1-1/2" system connections

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Model	VOLUME (GAL.)	DIMENSIONS IN INCHES		WEIGHT	
		HEIGHT	WIDTH	NET	FULL
MSB-030	31.4	33-1/8	23-1/2	71	333
MSB-050	52.6	49-3/4	23-1/2	82	520
MSB-075	76.3	68-3/4	23-1/2	115	751




MAXI-THERM II (MT)

Glass Lined - Indirect Water Heater

- Three sizes: 40, 50 and 120 gallons
- Porcelain enamel tank
- Porcelain enamel coated smooth coil surface

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AHRI Performance Ratings										
Model	First Hour Rating	Continuous Draw Rating	Standby Loss (°F/hr)	Minimum Boiler Output (MBH)	Boiler Water Through Coil		POTABLE VOLUME (GAL)	D (IN)	H (IN)	APPROX SHIPPING WEIGHT (LBS)
	(Gal/hr)	(Gal/hr)			Min Flow (Gal/min)	Head Loss (ft w.c.)				
MT040 GBR	205	180	1.1	120	13.7	1.5	37	22	41-1/8	172
MT050 GBR	210	180	0.9	120	13.7	1.5	43	22	46-1/4	180
MT120 GBC	400	325	0.4	220	14.0	5.0	107	28-1/4	62-1/2	415

Note: First hour ratings are based on the following conditions: 180 deg. F Boiler Supply, 58 deg. F cold water in, 135 deg. F domestic water out.




OIL FURNACE SERIES

- Five styles available: Low Profile High Boy, Low Boy, Rear Flue, Low Boy Front Flue, Horizontal/Counterflow, Hi Boy
- Limited lifetime warranty on heat exchanger
- 5-year parts warranty

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STYLE	MODEL	BTU/H OUTPUT (1000'S)	AFUE%	Energy Star	MAX RECOMMENDED A/C	W (IN)	D (IN)	H (IN)	APPROX. SHIPPING WEIGHT (LBS)
LOW PROFILE HIGH BOY	VCSHB60-90ABP	60 / 72 / 90	85%	NO	4 TON	21	30	45	270
LOW PROFILE HIGH BOY	VCSHB60-90ABT	60 / 72 / 90	85%*	YES	4 TON	21	30	45	270
LOW BOY - FRONT	VCLBF68-112DBP	70 / 88 / 98 / 114	85%	NO	3 1/2 TON	22-1/4	47	41-1/2	300
LOW BOY - REAR	VCLBR68-112DBP	70 / 88 / 98 / 114	85%	NO	3 1/2 TON	22-1/4	47	41-1/2	300
HORIZONTAL / COUNTER FLOW	VCHC68-96CBP	70 / 88 / 98 / 114	85%	NO	3 1/2 TON	22-1/4	22-1/4	61-1/4	280
HI BOY	VCH8FA119P60B	101 / 119 / 132	85%	NO	5 TON	24-1/2	36-1/2	50-1/8	316

*  ENERGY STAR® certified product

ADVANCED FEATURES



INTEGRATED BOILER CONTROL

Features temperature control, relay and ignition functions in a single module. Included LWCO and additional circulator output for a second heating zone or an indirect water heater like the Mega-Stor II.

Standard on AWR & BWF



HYDROLEVEL 3250

The Hydrolevel HydroStat 3250 control provides temperature limit and low water cutoff, while allowing for outdoor reset control with the addition of an Outdoor Sensor Kit.

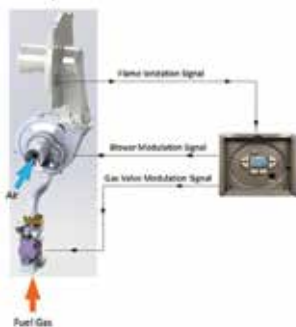
Standard on TWB & FWZ

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PATCONNECT

PAT Connect is a commissioning, diagnostic and service tool consisting of a Bluetooth Adaptor and mobile device app.

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PHANTOM ADAPTIVE COMBUSTION

Adaptive combustion technology features

- Field convertible to LP- No conversion Kit required
- Simple start-up
- Rate based temperature reset- no outdoor sensor required

Standard on Phantom II Combi and Heat Only boilers

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ACCESSORIES

STEAM NEAR BOILER PIPING KITS



The near boiler piping kit will assist in delivering “dry” steam to the heating system, reduce short cycling, eliminate water hammering and protect against system flooding. Kit includes all components required to complete the near boiler piping as recommended in the installation manual.

Available on BSI, FSZ, KSB & S49

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CONDENSING ACCESSORIES








CPVC/PVC Vent Kits





Leg Kit Raptor






Floor Stand Phantom II



Phantom II Heat Only Primary/
Secondary Header

Warranty Information Guide (Parts/Heat Exchanger)

RESIDENTIAL									
WATER					STEAM				
OIL					GAS				
TOBAGO TWB		FREEPORT FWZ		FREEPORT FSZ		KINGSTON KSB		BERMUDA	
									
Input (GPH): .65, .75, 1.00, 1.25, 1.50, 1.75, 2.00		Input (GPH): .60, .80, 81, 1.00, 1.30, 1.60		Input (GPH): .80, 1.00, 1.30, 1.60		Input (GPH): .65, .75, 1.00, 1.25, 1.50, 1.75, 2.00		Input (MBH): 69, 103, 138, 172, 207, 241, 276	
Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	12 years*	Warranty (Heat Exchanger)	12 years*	Warranty (Heat Exchanger)	12 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year

RESIDENTIAL							
WATER							
GAS							
CONDENSING							
PHANTOM II COMBI		PHANTOM II HEAT ONLY		PHANTOM-X		RAPTOR	
							
Input (MBH): 136, 200 10:1 Turndown		Input (MBH): 120, 150, 180 10:1 Turndown		Input (MBH): 210, 285 5:1 Turndown		Input (MBH): 85, 110, 155, 205, 270 10:1 Turndown.	
Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*
Warranty (Parts)	5 years	Warranty (Parts)	5 years	Warranty (Parts)	5 years	Warranty (Parts)	5 years

COMMERCIAL									
WATER			STEAM		WATER/STEAM	WATER			
NON-CONDENSING						GAS			
						CONDENSING			
FW		SERIES 49		SERIES 24		RAPTOR-X		PHANTOM-X	
									
Nat. Gas Input (MBH): 433-1,299 Oil Input (GPH): 3.0 - 9.0		Nat. Gas Input (MBH): 299, 350, 399, 450, 500, 550		Nat. Gas Input (MBH): 440 - 2320 Oil Input (GPH): 3.05 - 16.0		Input (MBH): 320, 399 10:1 Turndown		Input (MBH): 399, 500, 625, 725, 800 5:1 Turndown	
Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	5 years*	Warranty (Heat Exchanger)	5 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year

RESIDENTIAL			
WATER		GAS	
NON-CONDENSING			
ARUBA 5		BALI 2	
			
Input (MBH): 38, 70, 105, 140, 175, 210, 245, 280		Nat. Gas Input (MBH): 70-245 Propane Input (MBH): 63-220	
Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	20 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year

RESIDENTIAL/COMMERCIAL			
INDIRECT WATER HEATERS			
MEGA-STOR II		BUFFER TANK	
			
Size: 30, 40, 50, 75, 119		Size: 30, 50, 75	
Warranty (Heat Exchanger and Tank)	8 years**	Warranty (Tank)	5 years
Warranty (Parts)	1 year	Warranty (Parts)	1 year


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* Boiler Heat Exchanger warranty covers manufacturing defects to the original owner only. A proof of original purchase will be required. For full and pro-rated terms, please go to; <https://www.velocityboilerworks.com/support/product-warranties/>

** Limited Lifetime Warranty for Residential Installations for the Heat Exchanger and Tank cover manufacturing defects to the original owner only. A proof of original purchase will be required. For complete details please go to; <https://www.velocityboilerworks.com/support/product-warranties/>

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- High-grade materials and “smart” controls for maximum efficiency and cost savings
- Safe, reliable and durable products for years of exceptional performance
- Expertly engineered, inspected and certified to meet the most rigorous standards for quality, safety and efficiency
- Delivered fully assembled and tested, easy to install and service
- A wide range of venting options and boiler sizes to fit the needs of any home or business
- Backed by superior warranties, with friendly and experienced technicians ready to answer questions and provide support

At Velocity Boiler Works our products are built to the highest standards, earning one or more of the following marks:



Quality
Value &
Service