

B R A D F O R D W H I T E

Boiler and Volume Water Heater Product Selection Guide



Built to be the Best® | www.bradfordwhite.com

COMMERCIAL BOILERS AND VOLUME WATER HEATERS



Brute FT® Wall-Hung & Floor Standing

Condensing, fire tube heat exchanger. Flexible installation options available in a wall-hung or floor standing model.

- Stainless steel heat exchanger with finned aluminum core fire tubes
- 95%+ Thermal Efficiency
- 10:1 turndown (399 MBH); 7.5:1 turndown (301 MBH)
- Wall mount or floor standing model
- Smart control of DHW priority
- Cascade up to 4 units
- Top and bottom water and gas connections
- Condensing Low NO_x
- Low pressure drop, fire-tube heat exchanger design
- Vent Category IV
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 5-Year

Brute FT® Wall-Hung and Floor Standing

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BFTHW301NX	301,000	286,000	95.1%	265
BFTHW399NX	399,000	379,000	95.4%	275
BFTHW301NF	301,000	286,000	95.1%	310
BFTHW399NF	399,000	379,000	95.4%	320



Brute® XTR

Condensing, multi-pass stainless steel heat exchanger, combined with an advanced modulating control system, delivers exceptional efficiencies.

- Indoor/Outdoor installation
- Natural Gas
- Up to 99% thermal efficiency
- Modulation down to 10% of full fire (10:1 turndown)
- Condensing low NO_x
- Boiler/Water Heater
- Vent Category IV
- Ltd. Warranty, Boiler Heat Exchanger – 10-Year, Volume Water Heater Heat Exchanger – 5-Year
- Ltd. Warranty, Parts- 1-Year

Brute® XTR Boiler

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BNT2H399	399,900	386,000	96.7%	508
BNT2H500	500,000	483,000	96.6%	518
BNT2H600	650,000	627,000	96.5%	597
BNT2H800	800,000	771,000	96.4%	618
BNT2H999	999,000	962,000	96.3%	679
BNT2H1500	1,500,000	1,440,000	96.0%	757

Brute® XTR Volume Water Heater

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BNT2V399	399,900	460	98.0%	508
BNT2V500	500,000	576	98.0%	518
BNT2V650	650,000	749	97.0%	597
BNT2V800	800,000	922	97.0%	618
BNT2V999	999,000	1151	97.0%	679
BNT2V1500	1,500,000	1728	99.0%	757



Brute® Series

Condensing, multi-pass stainless steel heat exchanger, combined with an advanced modulating control system, delivers exceptional efficiencies.

- Indoor/outdoor installation
- Natural Gas (BNTV 150-285) or Propane
- Up to 96.6% thermal efficiency
- Modulation down to 20% of full fire (5:1 turndown)
- Condensing Low NO_x
- Boiler/Water Heater
- Vent Category IV
- Ltd. Warranty, Boiler Heat Exchanger – 10-Year, Volume Water Heater Heat Exchanger – 8-Year
- Ltd. Warranty, Parts – 1-Year

Brute® Series Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BNT3H399	399,900	386,000	96.5%	364
BNT3H500	500,000	475,000	95.0%	419
BNT3H600	600,000	572,000	95.3%	426
BNT3H750	750,000	724,000	96.6%	481
BNT3H850	850,000	813,000	95.7%	503

Brute® Series Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BNTV150	150,000	173	95.0%	228
BNTV199	199,000	234	97.0%	270
BNTV285	285,000	327	95.0%	299
BNTV399	399,000	461	96.0%	364
BNTV500	500,000	580	96.0%	419
BNTV600	600,000	691	97.0%	426
BNTV750	750,000	868	94.0%	481
BNTV850	850,000	973	96.0%	503



Brute® Series 1000 & 1200

Operates at firing rates as low as 100,000 BTU/Hr., resulting in low temperature efficiencies as high as 99%, and 98% at full fire.

- Indoor/outdoor installation
- Propane
- Up to 95% thermal efficiency
- Modulation down to 10% of full fire (10:1 turndown)
- Condensing Low NO_x
- 1000-1200 MBTU/Hr.
- Boiler/Water Heater
- Vent Category IV
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 1-Year

Brute® Series 1000 and 1200 Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BNT1H1000	999,000	942,000	94.2%	620
BNT1H1200	1,120,000	1,120,000	94.8%	640

Brute® Series 1000 and 1200 Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BNTV1000	999,000	1,143	95.0%	620
BNTV1200	1,200,000	1,368	95.0%	640

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement. Product availability may vary by region.

COMMERCIAL BOILERS AND VOLUME WATER HEATERS



Copper Brute® II & Low Temp Copper Brute® II

Features sealed, fan-assisted combustion and advance PID staging controls with 2, 3, or 4 stage firing to meet a wide range of heating or DHW applications. The Low Temp Copper Brute® II is built to operate with low return water temperatures.

- Indoor/outdoor installation
- Natural Gas or Propane
- 85% thermal efficiency
- Non-condensing Low NOx
- 500-2000 MBTU/Hr.
- Boiler/Water Heater
- Vent Category I or III
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 1-Year

Copper Brute® II & Low Temp Copper Brute® II Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BWCH0500	500,000	425,000	85.0%	715
BWCH0750	750,000	638,000	85.0%	810
BWCH1000	999,000	849,000	85.0%	955
BWCH1250	1,250,000	1,064,000	85.2%	1,050
BWCH1500	1,500,000	1,266,000	85.2%	1,185
BWCH1750	1,750,000	1,489,500	85.2%	1,280
BWCH2000	1,999,000	1,701,000	85.2%	1,410

Copper Brute® II & Low Temp Copper Brute® II Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BWCV0500	500,000	510	85.0%	715
BWCV0750	750,000	765	85.0%	810
BWCV1000	999,000	1019	85.0%	955
BWCV1250	1,250,000	1276	85.0%	1,050
BWCV1500	1,500,000	1531	85.0%	1,185
BWCV1750	1,750,000	1786	85.0%	1,280
BWCV2000	2,000,000	2040	85.0%	1,410

Specifications shown above are for Copper Brute® II models. Weights and efficiencies vary slightly for Low Temp Copper Brute™ II models.



Brute MagnaTech®

Highly efficient, condensing units with a small footprint, slim vertical design and removable top section, making it ideal for tight mechanical rooms. It features an American-made, 95% thermally efficient heat exchanger.

- 95% thermal efficiency
- Variable speed pump control
- Horizontal or vertical direct vent
- Modulation down to 20% of full fire (5:1 turndown)
- Quiet, variable speed blower
- Small footprint
- Removable top section for easy handling/installation
- Sealed combustion chamber
- Intuitive, icon-based touch screen control system
- Lead lag cascading of up to 8 units
- Vent Category IV

Brute MagnaTech® Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMGH1600	1,600,000	1,520,000	95.0%	1,590
BMGH2000	1,999,000	1,895,000	95.0%	1,590
BMGH2500	2,499,000	2,374,000	95.0%	1,985
BMGH3000	3,000,000	2,814,000	95.0%	1,985
BMGH3500	3,500,000	3,276,000	95.0%	2,478
BMGH4000	4,000,000	3,724,000	95.0%	2,478

Brute MagnaTech® Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BMGV1600	1,600,000	1825	96.0%	1,590
BMGV2000	1,999,000	2281	96.0%	1,590
BMGV2500	2,499,000	2851	96.0%	1,985
BMGV3000	3,000,000	3421	95.0%	1,985
BMGV3500	3,500,000	3992	96.0%	2,478
BMGV4000	4,000,000	4562	96.0%	2,478

Brute MagnaTech® availability varies by region.



Brute MagnaTech® HTD

Highly efficient, condensing boiler with a small footprint, slim vertical design and removable top section, making it ideal for tight mechanical rooms. It features an American-made, 95% thermally efficient heat exchanger with a high turndown ratio of 20:1.

- Indoor/outdoor installation
- 95% thermal efficiency
- Modulation down to 5% of full fire (20:1 turndown)
- Intuitive touch screen controls
- O₂ Combustion Control System Sensor maintains a high efficiency throughout entire modulation range
- Removable top section for easy handling/installation
- Lead lag cascading of up to 8 units
- Variable speed pump control
- Quiet, variable speed blower
- Horizontal or vertical direct vent
- Vent Category IV

Brute MagnaTech® HTD Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMGH1600	1,600,000	1,520,000	95.0%	1,610
BMGH2000	1,999,000	1,895,000	95.0%	1,610
BMGH2500	2,499,000	2,374,000	95.0%	2,010
BMGH3000	3,000,000	2,814,000	95.0%	2,525
BMGH3500	3,500,000	3,276,000	95.0%	2,525
BMGH4000	4,000,000	3,800,000	95.0%	

Brute MagnaTech® HTD Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BMGV1600	1,600,000	1825	95.0%	1,610
BMGV2000	1,999,000	2281	95.0%	1,610
BMGV2500	2,499,000	2851	95.0%	2,010
BMGV3000	3,000,000	3421	95.0%	2,525
BMGV3500	3,500,000	3992	95.0%	2,525
BMGV4000	4,000,000	4562	95.0%	

Brute MagnaTech® HTD availability varies by region.



Brute MagnaTech® FT

High turndown, condensing fire tube boiler designed for a wide range of commercial heating applications, offering years of highly efficient trouble-free operation.

- Indoor/outdoor installation
- Stainless steel vertical firetube heat exchanger
- 95% thermal efficiency
- Modulation down to 5% of full fire (20:1 turndown)
- O₂ Combustion Control System sensing maintains a high efficiency throughout entire modulation range
- Intuitive touch screen controls
- Low head loss through heat exchanger from firetube design
- Variable speed pump control
- Quiet, variable speed blower
- Horizontal or vertical direct vent
- Vent Category IV

Brute MagnaTech® FT Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BCFH1000	999,900	950,000	95.8%	1,450
BCFH1500	1,500,000	1,425,000	95.9%	1,600
BCFH2000	1,999,900	1,900,000	95.4%	1,950
BCFH3000	3,000,000	3,000,000	95.9%	2,250

Brute MagnaTech® FT availability varies by region.

COMMERCIAL BOILERS AND VOLUME WATER HEATERS



Brute OmniTech® Near-Condensing

Vertical configuration design with small footprint to fit in tight mechanical rooms and through access doors. Valued engineered solution with stainless steel exchanger approximately 50% the cost a typical high-efficiency unit.

- Indoor/outdoor installation
- Up to 7:1 turndown ratio
- Electronic Fuel-to-Air Ratio Control
- Up to 90% thermal efficiency
- Intuitive touch screen controls
- 439 stainless steel heat exchanger
- Low return water temperatures allowed
- Boiler/Water Heater
- Vent Category II or IV
- Ltd. Warranty, Heat Exchanger- 10-Year
- Ltd. Warranty, Parts- 1-Year



Brute® Commercial Electric Boiler

Emission-free, very high-efficiency hot water boiler performance for a range of commercial applications. No need for venting, quiet operation, and compact design provide for installation flexibility.

- Compact design
- Nearly 100% efficient
- Zero emissions
- Venting not required
- Quiet operation
- Optional BACnet & LonWorks Building Management System interfaces



Brute® Deluxe

This versatile, easy to install, finned-copper heat exchanger provides quick response to heating demands with single or two stage firing.

- Indoor/outdoor installation
- Natural Gas or Propane
- 85% AFUE
- Non-condensing Low NOx
- 200-400 MBTU/Hr.
- Boiler/Water Heater
- Vent Category I or III
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 1-Year

Brute® Deluxe

The Low NOx finned-copper heat exchanger provides quick response and offers simple and straightforward controls with single or two stage firing.

- Indoor/outdoor installation
- Natural Gas or Propane
- 85% thermal efficiency
- Non-condensing Low NOx
- 500-2000 MBTU/Hr.
- Boiler/Water Heater
- Vent Category I or III
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 1-Year



Brute OmniTech® Near-Condensing Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BOCH1250	1,250,000	1,098,000	87.8%	741
BOCH1500	1,500,000	1,307,000	87.1%	741
BOCH1750	1,750,000	1,523,000	86.7%	1,197
BOCH2000	1,999,999	1,756,000	87.8%	1,280
BOCH2500	2,499,999	2,192,000	87.7%	1,280
BOCH3000	3,000,000	2,589,000	86.3%	1,335

Brute OmniTech® Near-Condensing Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BOCV1250	1,250,000	1317	90.0%	741
BOCV1500	1,500,000	1568	89.0%	741
BOCV1750	1,750,000	1827	88.0%	1,197
BOCV2000	1,999,999	2107	90.0%	1,280
BOCV2500	2,499,999	2631	90.0%	1,280
BOCV3000	3,000,000	3107	87.0%	1,335

Brute OmniTech® availability varies by region.

Brute® Commercial Electric Boilers

Model Number	Voltage 3-Phase	kW Offerings	Shipping Weight lbs.
BEBXXX208	208	60-180	720
BEBXXX240	240	60-180	720
BEBXXX480	480	60-300	735
BEBXXX600	600	60-300	735

Brute® Commercial Electric Boiler availability varies by region.

Brute® Deluxe Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BMT2V0200	199,900	204	85.0%	290
BMT2V0300	300,000	306	85.0%	320
BMT2V0400	399,900	408	85.0%	350

Brute® Deluxe Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMT2H0400	399,000	340,000	85.3%	330

Brute® Deluxe Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMT2H0500	500,000	425,000	85.0%	700
BMT2H0750	750,000	638,000	85.0%	795
BMT2H1000	999,000	849,000	85.0%	940
BMT2H1250	1,250,000	1,064,000	85.2%	1,035
BMT2H1500	1,500,000	1,277,000	85.2%	1,170
BMT2H1750	1,750,000	1,489,000	85.2%	1,265
BMT2H2000	1,999,000	1,701,000	85.2%	1,395

Brute® Deluxe Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100F Degree Rise (GPH)	Thermal Efficiency	Shipping Weight lbs.
BMT2V0500	500,000	510	84.0%	700
BMT2V0750	750,000	766	84.0%	795
BMT2V1000	999,000	1019	84.0%	940
BMT2V1250	1,250,000	1276	84.0%	1,035
BMT2V1500	1,500,000	1531	84.0%	1,170
BMT2V1750	1,750,000	1786	84.0%	1,265
BMT2V2000	2,000,000	2040	84.0%	1,395

RESIDENTIAL BOILERS AND COMBINATION UNITS



Brute® Mini

Compact size and simple design can improve comfort and heating efficiency in nearly any hydronic system.

- Indoor installation
- Natural Gas or Propane
- 84% AFUE
- Non-condensing
- 50-199 MBTU/Hr.
- Boiler
- Vent Category I
- Ltd. Warranty, Heat Exchanger – 20-Year
- Ltd. Warranty, Parts – 1-Year

Brute® Mini Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	AFUE Efficiency	Shipping Weight lbs.
BJX050	50,000	42,000	84.0%	136*
BJX075	75,000	63,000	84.0%	148*
BJX100	100,000	84,000	84.0%	153*
BJX125	125,000	105,000	84.0%	191
BJX150	150,000	126,000	84.0%	202
BJX200	199,000	168,000	84.0%	237



Brute® Series

An exceptionally efficient, condensing, multipass stainless steel heat exchanger combined with a fully modulating control system delivering efficiencies as high as 95%.

- ENERGY STAR® qualified
- Indoor installation
- Natural Gas or Propane
- 95% AFUE
- Modulation down to 20% of full fire (5:1 turndown)
- Condensing Low NOx
- 80-285 MBTU/Hr.
- Boiler
- Vent Category IV
- Ltd. Warranty, Parts – 2-Year
- Ltd. Warranty, Boiler Heat Exchanger – 12-Year

Brute® Series Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	AFUE Efficiency	Shipping Weight lbs.
BNTH080	80,000	74,000	95.0%	202
BNTH105	105,000	96,000	95.0%	216
BNTH150	150,000	138,000	95.0%	228
BNTH210	210,000	194,000	95.0%	270
BNTH285	258,000	264,000	95.0%	299



Heat Only Boiler

Combi Boiler

Brute FT® Floor Standing

Floor standing, 95% efficient, fully modulating, stainless steel condensing fire-tube boiler available in both Combination and Heating Only. Integrated indirect tank design on the combination boiler combines the best of space and domestic water heating into one compact system.

- Natural Gas or Propane
- 95% AFUE
- Modulation down to 10% of full fire (10:1 turndown)
- Smart heating technology domestic water priority allows unit to determine if it can supply both space heating and domestic hot water simultaneously
- Condensing Low NOx
- All piping connections top mounted
- Low pressure drop, fire-tube heat exchanger design
- Vent Category IV
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 5-Year

Brute FT® Floor Standing Boiler

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BFTHF199	199,000	189,050	95.0%	146

Brute FT® Floor Standing Combination

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BFTCF199	199,000	189,050	95.0%	151



Brute FT® Wall-Hung

Wall-mounted, 95% efficient, fully modulating, condensing boiler available in both Combination and Heating Only. Fire-tube construction with a corrosion-resistant stainless steel design, resulting in quick heating response, ultra-high efficiency, and years of reliable service.

- ENERGY STAR® qualified
- Natural Gas or Propane
- 95% AFUE
- 199 & 140 MBH: 100% down to 10% of full fire (10:1 turndown)
- 100 MBH: 100% down to 20% of full fire (5:1 turndown)
- Condensing Low NOx
- 100-199 MBTU/Hr.
- Boiler/Combi
- Low pressure drop, fire-tube heat exchanger design
- Vent Category IV
- Ltd. Warranty, Heat Exchanger – 10-Year
- Ltd. Warranty, Parts – 5-Year

Brute FT® Wall-Hung Boiler

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMFTHW100	100,000	93,000	95.0%	98
BMFTHW140	140,000	129,000	95.0%	102
BMFTHW199	199,000	189,050	95.0%	118

Brute FT® Wall-Hung Combination Boiler

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight lbs.
BMFTCW140	140,000	129,000	95.0%	111
BMFTCW199	199,000	189,050	95.0%	130



A Complete Line of Residential and Commercial Boilers and Volume Water Heaters

Bradford White's hydronic boilers and volume water heaters are available in a wide range of sizes and are suitable for nearly every application. Our comprehensive line-up includes products with inputs of 50,000 to 4,000,000 BTU/Hr. and thermal efficiencies as high as 98%. Each one is ruggedly built for long service life and offers a contractor-friendly design for easy installation. You can count on innovative heat transfer technology and advanced control features that maximize efficiency. Look to the Brute® Series from Bradford White for a solution to your next residential or commercial application.

For complete information on our residential and commercial boiler and volume water heater line, please visit www.bradfordwhite.com.



Bradford White
is the official boiler
and volume water
heater of the PHCC.

Committed to the Professional.

©2023, Bradford White Corporation. All rights reserved.

BVWHSG 1223


BRADFORD WHITE[®]
WATER HEATERS
www.bradfordwhite.com