



Product Catalog 2026

Commercial Gas & Electric Water Heaters · Condensing Boilers

For distributors, importers, HVAC suppliers, MEP contractors and OEM brand owners



Dongying Ottmel New Energy Co., Ltd.

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About OTTMEL

Dongying Ottmel New Energy Co., Ltd. manufactures commercial hot water and heating equipment in Dongying, Shandong Province, China. The company was founded in 1994 and was formerly known as Shandong Precision Boiler Import & Export Co., Ltd.

Our range covers commercial gas storage water heaters, low-NOx and condensing storage water heaters, condensing boilers, commercial electric storage water heaters and electric boilers for hotels, schools, hospitals and industrial facilities.

Production equipment, sourced from Finland, Japan, the United States and Germany, includes enamel production lines, CNC punch presses, laser cutting machines, CNC bending machines, robotic welding systems and electrophoretic coating equipment. An in-house R&D team works on product development.

1994

Founded

2,000 m²

Factory area

8

Product families

**6.4–2,800
kW**Published output
range**< 30
mg/m³**NOx on premix
low-NOx models**2 years**

Product warranty

Core technology

BLUE-ARMOR enamel tank

Baosteel BTC340R enamel steel with a double-layer blue enamel coating, applied after sandblasting; finished tanks are pressure tested. The inner tank has passed 168 hours of corrosion testing at 100 °C.

PRE-MIX full premix combustion

Metal fiber surface combustion with a three-pass heat exchanger keeps NOx below 30 mg/m³ and reaches up to 107% thermal efficiency on condensing models.

SPOILER-FLUE heat exchange

Turbulent silicon-aluminum flue tubes combine heat exchange and condensation, with five times the surface of a conventional flue tube.

Welding process

Gas-shielded welding on dedicated equipment. The top cover is welded before enameling and the bottom cover is enameled before welding, keeping the coating continuous.

Product range



Commercial Low-NOx Condensing
Gas Storage Water Heater – PRO
Series



Commercial Low-NOx Gas Storage
Water Heater – PLUS Series



Commercial Gas Storage Water
Heater – CLASSIC Series



Commercial Condensing Premix
Storage-Type Fire-Tube Boiler



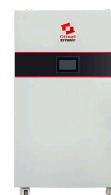
Commercial Stainless Steel
Condensing Direct-Flow Boiler



Commercial Electric Storage Water
Heater



Commercial Electric Boiler – Large-
Capacity Storage Type



Commercial Floor-Standing Electric
Heating Boiler

Product	Energy	Published range	Typical use
Commercial Low-NOx Condensing Gas Storage Water Heater – PRO Series	Gas	30–99 kW · 379 L · ≥107%	Domestic hot water
Commercial Low-NOx Gas Storage Water Heater – PLUS Series	Gas	73–99 kW · 400 L · ≥98%	Domestic hot water
Commercial Gas Storage Water Heater – CLASSIC Series	Gas	22–99 kW · 220–360 L	Domestic hot water
Commercial Condensing Premix Storage-Type Fire-Tube Boiler	Gas	240–700 kW	Hot water and heating
Commercial Stainless Steel Condensing Direct-Flow Boiler	Gas	50–2,667 kW heat input	Heating (modular)
Commercial Electric Storage Water Heater	Electric	6.4–90 kW · 320–500 L	Domestic hot water
Commercial Electric Boiler – Large-Capacity Storage Type	Electric	180–720 kW · 495– 1,150 L	Domestic hot water
Commercial Floor-Standing Electric Heating Boiler	Electric	12–99 kW	Space heating

GAS WATER HEATERS & CONDENSING BOILERS

Commercial Low-NOx Condensing Gas Storage Water Heater – PRO Series

A condensing, fully premixed gas storage water heater with a 379 L enamel tank for hotels, apartments, clubs and industrial facilities that need high-efficiency, low-emission domestic hot water.

Thermal efficiency $\geq 107\%$

NO_x < 30 mg/m³

30–99 kW

Indoor & outdoor (IPX4)

Typical applications: Hotels · Apartments · Clubs · Industrial facilities · Schools (see project references) · Elderly care centers (see project references)

Key features

Efficiency. Top-mounted PRE-MIX full premix combustion with a TRIPLE-HEAT three-pass heat exchanger, rated at up to 107% thermal efficiency.

Smart control. LCD display for real-time status and fault alerts. Wi-Fi connectivity for remote monitoring and parameter settings from a mobile device.

Installation. Indoor or outdoor installation with forced or balanced flue options, plus multiple water connection points for flexible layouts and easy replacement of existing equipment.

Safety. Electric spark ignition with low-load start-up. Four layers of protection: thermostat, high-temperature limit, over-temperature protection and T&P valve. Pressure rating up to 1.1 MPa.

Low emissions. NO_x emissions below 30 mg/m³. A built-in condensate neutralizer reduces the acidity of the condensate before discharge.

Indoor models (RSTQ)

Model	RSTQ30-379L	RSTQ58-379L	RSTQ73-379L	RSTQ85-379L	RSTQ99-379L
Storage capacity (L)	379	379	379	379	379
Thermal efficiency	$\geq 107\%$	$\geq 107\%$	$\geq 107\%$	$\geq 107\%$	$\geq 107\%$
Rated heat input (kW)	30	58	73	85	99
Rated heat input (kcal/h)	25,800	50,200	62,440	72,704	85,646
Gas consumption (m ³ /h)	3.0	5.8	7.3	8.5	9.9
Electric power (W)	50	72	120	160	180
Rated working pressure (MPa)	1.1	1.1	1.1	1.1	1.1
Temperature setting range (°C)	30–75	30–75	30–75	30–75	30–75
Hot water output at $\Delta t = 25\text{ °C}$ (L/h)	1,109	2,144	2,678	3,118	3,673
Hot water output at $\Delta t = 35\text{ °C}$ (L/h)	792	1,532	1,913	2,227	2,623
Hot water output at $\Delta t = 55\text{ °C}$ (L/h)	504	975	1,217	1,326	1,670
Inlet/outlet pipe diameter	DN50	DN50	DN50	DN50	DN50
Gas connection	DN20	DN20	DN20	DN20	DN20
Safety valve / drain valve	DN25 / DN50	DN25 / DN50	DN25 / DN50	DN25 / DN50	DN25 / DN50
Air intake / flue outlet diameter	Φ110 / Φ110	Φ110 / Φ110	Φ110 / Φ110	Φ110 / Φ110	Φ110 / Φ110
Net weight (kg)	345	349	355	355	355
Dimensions: total height / outlet height / inlet height (mm)	2000 / 1730 / 460	2000 / 1730 / 460	2000 / 1730 / 460	2000 / 1730 / 460	2000 / 1730 / 460
Body diameter / max. depth (mm)	710 / 790	710 / 790	710 / 790	710 / 790	710 / 790

Outdoor models (RSTW)

Model	RSTW30-379L	RSTW58-379L	RSTW73-379L	RSTW85-379L	RSTW99-379L
Note	Same performance data, connections, weights and dimensions as the indoor models above				
Waterproof rating	IPX4	IPX4	IPX4	IPX4	IPX4

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GAS WATER HEATERS & CONDENSING BOILERS

Commercial Low-NOx Gas Storage Water Heater – PLUS Series

A 400 L fully premixed gas storage water heater with three-pass counterflow heat exchange, designed for commercial buildings that need low-NOx hot water in 73 kW and 99 kW sizes.

Thermal efficiency up to 98%

NOx < 30 mg/m³

400 L tank

Indoor & outdoor (IPX4)

Typical applications: Hotels · Schools and campuses · Hospitals and care facilities · Office and commercial buildings

Key features

Heat exchange. TRIPLE-HEAT three-pass counterflow heat exchange technology with thermal efficiency up to 98%.

Standard. Designed to meet China's national standard GB 18111-2021.

Control. IoT connectivity and intelligent group control for multi-unit systems.

Combustion. PRE-MIX full premix combustion with a constant air-fuel ratio; NOx < 30 mg/m³.

Installation. Indoor units use a balanced intake and exhaust system that does not draw combustion air from the room. Outdoor units have an IPX4 waterproof design and can be installed without a dedicated plant room.

Indoor (RSTQ) and outdoor (RSTW) models

Model	RSTQ73-400	RSTW73-400	RSTQ99-400	RSTW99-400
Storage capacity (L)	400	400	400	400
Thermal efficiency	≥98%	≥98%	≥98%	≥98%
Rated heat input (kW)	73	73	99	99
Rated heat input (kcal/h)	62,440	62,440	85,646	85,646
Gas consumption (m ³ /h)	7.3	7.3	9.9	9.9
Electric power (W)	280	280	280	280
Rated working pressure (MPa)	1.1	1.1	1.1	1.1
Temperature setting range (°C)	30–80	30–80	30–80	30–80
Hot water output at Δt = 25 °C (L/h)	2,478	2,478	3,398	3,398
Hot water output at Δt = 35 °C (L/h)	1,770	1,770	2,427	2,427
Hot water output at Δt = 55 °C (L/h)	1,126	1,126	1,545	1,545
Inlet/outlet pipe diameter	DN50	DN50	DN50	DN50
Gas connection	DN20	DN20	DN20	DN20
Safety valve / drain valve	DN25 / DN50	DN25 / DN50	DN25 / DN50	DN25 / DN50
Air intake / flue outlet diameter	Φ110 / Φ110	Φ110 / Φ110	Φ110 / Φ110	Φ110 / Φ110
Net weight (kg)	355	355	355	355
Total height / outlet height / inlet height (mm)	2000 / 1730 / 460	2000 / 1730 / 460	2000 / 1730 / 460	2000 / 1730 / 460
Body diameter / max. depth (mm)	710 / 790	710 / 790	710 / 790	710 / 790

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GAS WATER HEATERS & CONDENSING BOILERS

Commercial Gas Storage Water Heater – CLASSIC Series

A straightforward atmospheric-combustion gas storage water heater for small and mid-sized businesses that need a 24-hour hot water supply, such as guesthouses, budget hotels, spas and care centers.

22–99 kW

220–360 L tanks

Pressure rating 1.1 MPa

Indoor & outdoor

Typical applications: Guesthouses and budget hotels · Spas and foot-massage centers · Infant swimming centers · Postnatal care centers · Small commercial buildings



Key features

Efficiency. SPOILER-FLUE turbulent heat exchange technology with thermal efficiency of up to 87% ($\geq 93\%$ for the 22 kW model). Thick polyurethane insulation and a specially designed flue baffle reduce standby flue heat loss by 60%.

Quiet operation. Atmospheric combustion with no combustion fan required, for low operating noise.

Safety. Two-stage ignition with automatic gas valve control. Four layers of protection: thermostat, high-temperature limit, over-temperature protection and T&P valve. Pressure rating up to 1.1 MPa.

Installation. Suitable for indoor and outdoor installation; an optional forced-draft fan is available.

Indoor models

Model	RSTQ22-220	RSTQ32-320	RSTD50-360	RSTD73-360	RSTD99-320
Storage capacity (L)	220	320	360	360	320
Thermal efficiency	$\geq 93\%$	$\geq 87\%$	$\geq 87\%$	$\geq 87\%$	$\geq 87\%$
Rated heat input (kW)	22	32	50	73	99
Gas consumption (m ³ /h)	2.2	3.2	5.0	7.3	9.9
Electric power (W)	65	65	25	25	25
Rated working pressure (MPa)	1.1	1.1	1.1	1.1	1.1
Temperature setting range (°C)	30–80	30–75	30–75	30–75	30–75
Hot water output at $\Delta t = 25\text{ °C}$ (L/h)	619	900	1,500	2,190	2,967
Hot water output at $\Delta t = 35\text{ °C}$ (L/h)	442	643	1,071	1,564	2,120
Hot water output at $\Delta t = 55\text{ °C}$ (L/h)	281	409	682	996	1,348
Inlet/outlet pipe diameter	DN32	DN32	DN50	DN50	DN50
Flue outlet diameter	Φ60	Φ60	Φ200	Φ200	Φ200
Net weight (kg)	195	297	427	440	450
Total height (mm)	1750	1900	2200	2200	2200
Body diameter (mm)	520	630	710	710	710

Outdoor models

Model	RSTW50-360	RSTW73-360	RSTW99-320
Storage capacity (L)	360	360	320
Thermal efficiency	$\geq 87\%$	$\geq 87\%$	$\geq 87\%$
Rated heat input (kW)	50	73	99
Gas consumption (m ³ /h)	5.0	7.3	9.9
Electric power (W)	25	25	25
Rated working pressure (MPa)	1.1	1.1	1.1
Temperature setting range (°C)	30–75	30–75	30–75

Model	RSTW50-360	RSTW73-360	RSTW99-320
Hot water output at $\Delta t = 25\text{ }^{\circ}\text{C}$ (L/h)	1,500	2,190	2,967
Hot water output at $\Delta t = 35\text{ }^{\circ}\text{C}$ (L/h)	1,071	1,564	2,120
Hot water output at $\Delta t = 55\text{ }^{\circ}\text{C}$ (L/h)	682	996	1,348
Inlet/outlet pipe diameter	DN50	DN50	DN50
Gas connection	DN20	DN20	DN20
Safety valve / drain valve	DN25 / DN25	DN25 / DN25	DN25 / DN25
Flue outlet diameter	$\Phi 200$	$\Phi 200$	$\Phi 200$
Net weight (kg)	427	440	450
Waterproof rating	IPX4	IPX4	IPX4

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GAS WATER HEATERS & CONDENSING BOILERS

Commercial Condensing Premix Storage-Type Fire-Tube Boiler

A condensing, fully premixed fire-tube boiler with built-in water storage that works as both a hot water boiler and a heating boiler for hotels, factories, airports, schools, hospitals and other institutional buildings.

240–700 kW

NOx 22.3–24.7 mg/m³

Modulation up to 12:1

2-year warranty

Typical applications: Hotels · Factories · Airports · Schools · Hospitals · Institutional facilities with 24-hour hot water and heating demand



Key features

Dual function. Works as both a hot water boiler and a heating boiler.

Combustion. Full premix combustion with a constant air-fuel ratio and adaptive control that resists gas pressure fluctuations; modulation ratio up to 12:1.

Warranty. 2-year warranty.

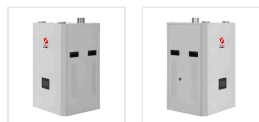
Simplified system. Built-in water storage for direct hot water supply, with no external storage tank or plate heat exchanger required, which reduces overall system cost. The primary-side pump is integrated in the boiler.

Low maintenance. Vertical alloy fire-tube heat exchanger designed to avoid flue and water blockage.

Technical specifications

Model	CBF240	CBF350	CBF700
Rated power (kW)	240	350	700
Burner output, 50/30 °C (kW)	25.6–245.2	39.2–358.3	75.6–714.5
Burner output, 80/60 °C (kW)	24.3–232.8	34–339	66.5–679.2
Thermal efficiency, 50/30 °C (%)	102.4	102.6	102.6
Thermal efficiency, 80/60 °C (%)	97.8	97.2	97.4
Thermal efficiency at 30% output, 30 °C return (%)	104.2	104.4	104.7
Gas type	Natural gas	Natural gas	Natural gas
Gas pressure (Pa)	3000–5000	3000–5000	3000–5000
Maximum flue length (m)	30	30	30
Flue material	PP / stainless steel	PP / stainless steel	PP / stainless steel
Gas consumption (m ³ /h)	24.1	34.8	69.2
NOx emissions (mg/m ³)	22.3	24.7	24.7
Maximum operating pressure	Atmospheric	Atmospheric	Atmospheric
Width A / height B (mm)	710 / 1750	1000 / 1750	1200 / 1750
Total height C / total depth D (mm)	2150 / 860	2150 / 1150	2450 / 1650
Net weight (kg)	396	676	920
Water inlet / outlet	DN50	DN65	DN100
Flue connection (mm)	160	200	250
Gas connection	DN25	DN25	DN32
Condensate drain	DN20	DN25	DN32

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GAS WATER HEATERS & CONDENSING BOILERS

Commercial Stainless Steel Condensing Direct-Flow Boiler

A modular, fully premixed condensing boiler with a stainless steel primary heat exchanger. Wall-mounted units save plant-room space; floor-standing models extend the range for larger heating loads.

Efficiency up to 107%

NO_x ≤ 25 mg/m³

Modulation up to 10:1

Wall-mounted & floor-standing

Typical applications: Hotels (heating and hot water) · Rooftop plant rooms · Basements and confined plant rooms · Commercial and institutional buildings

Key features

Stainless steel heat exchanger. Primary heat exchanger designed for commercial boilers, made of stainless steel alloy for oxidation and corrosion resistance. Compact, with no minimum return water temperature required. One-piece construction without weld seams.

Modular system. Units can be added or removed to match building load. Single, side-by-side and back-to-back installation layouts are supported.

Combustion. Full premix combustion with dynamic control and a low-NO_x metal mesh burner that prevents flashback, with precise air-fuel ratio adjustment for low NO_x and CO emissions.

Operation. Modulation ratio up to 10:1, noise below 42 dB, and a climate-compensation function to help reduce operating costs.

Technical specifications (part 1)

Model	CBF50	CBF99	CBF150	CBF200	CBF350	CBF700
Gas type	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas
Rated heat input (kW)	50	99	150	200.3	344	654
Rated heat output, 50/30 °C (kW)	53	107	156.2	206.4	368	702
Max. operating pressure (bar)	5.1	5.1	5.1	5.1	5.1	5.1
Max. operating temperature (°C)	80	80	80	80	80	80
Temperature adjustment (°C)	30–80	30–80	30–80	30–80	30–80	30–80
Full-load thermal efficiency, 80/60 °C (%)	98.7	98.7	107	98.5	98.5	97.6
30% load thermal efficiency, 50/30 °C (%)	105.5	105.7	105.7	105.4	105.3	105.5
Flue gas temperature, 50/30 °C (°C)	55	60	62	60	64	63
NO _x emissions (mg/m ³)	≤25	≤25	≤25	≤25	≤25	≤25
NO _x emission class	6	6	6	6	6	6
Gas consumption (m ³ /h)	5	9.9	14.8	19.5	34.6	67.7
Water capacity (L)	6	10	15	20	30	60
Power supply (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
Max. electrical power (W)	130	240	480	480	640	1280
Water inlet / outlet	DN25	DN25	DN40	DN40	DN65	DN80
Gas connection	DN20	DN20	DN20	DN20	DN32	DN32
Flue outlet	Φ60	Φ90	Φ110	Φ110	Φ200	Φ250
Weight, wall-mounted / floor-standing (kg)	41 / 62	46 / 67	72 / 92	– / 120	– / 143	– / 305
Dimensions, wall-mounted (W×L×H, mm)	550×480×850	550×480×850	620×550×1000	–	–	–
Dimensions, floor-standing (W×L×H, mm)	700×520×1230	700×520×1230	622×580×1230	660×680×1600	950×1900×1450	1050×1900×2050

Technical specifications (part 2)

Model	CBF1050	CBF1400	CBF1750	CBF2100	CBF2450	CBF2800
Rated heat input (kW)	970	1317	1650	1980	2333	2667
Rated heat output, 50/30 °C (kW)	1030	1410	1750	2100	2450	2800
Full-load thermal efficiency, 80/60 °C (%)	97.4	96.9	97.4	96.9	97.4	96.9
30% load thermal efficiency, 50/30 °C (%)	105.1	105.2	105.1	105.2	105.3	105.5
NOx emissions (mg/m ³)	≤25	≤25	≤25	≤25	≤25	≤25
Gas consumption (m ³ /h)	98.2	137.1	165	198	233	266
Water capacity (L)	90	120	150	180	210	240
Max. electrical power (W)	1920	2560	3200	3840	4480	5120
Water inlet / outlet	DN100	DN150	DN200	DN200	DN250	DN250
Gas connection	DN40	DN50	DN65	DN80	DN80	DN80
Flue outlet	Φ250	Φ300	Φ300	Φ350	Φ350	Φ350
Weight, floor-standing (kg)	446	645	800	1100	1300	1500
Dimensions, floor-standing (W×L×H, mm)	1400×2000×2050	1400×2000×2050	1400×3500×2050	1400×3500×2050	1400×4800×2050	1400×4800×2050

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ELECTRIC WATER HEATERS & BOILERS

Commercial Electric Storage Water Heater

A point-of-use commercial electric storage water heater with a BLUE-ARMOR enamel tank. Connect water and power and it is ready to supply hot water for hotels, restaurants, gyms, salons and villas.

6.4–90 kW

320–500 L

BLUE-ARMOR enamel tank

Pressure rating 1.1 MPa

Typical applications: Hotels · Restaurants · Gyms · Beauty and hair salons · Villas



Key features

Safety. Thermostat, high-temperature limit and T&P valve. Pressure rating up to 1.1 MPa for stable performance when supply pressure fluctuates.

Easy installation. Connect the water inlet, outlet and power supply to start supplying hot water.

Durability. BLUE-ARMOR enamel inner tank for corrosion and scale resistance, with a full-length anode rod inserted from the top to extend service life.

Automatic operation. A high-sensitivity thermostat controls the unit automatically, with no on-site operator required.

320 L and 500 L models

Model	OTME320-6	OTME320-15	OTME320-30	OTME500-12	OTME500-15	OTME500-24	OTME500-30
Storage capacity (L)	320	320	320	500	500	500	500
Rated power (kW)	6.4	15	30	12	15	24	30
Power supply	220V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Rated working pressure (MPa)	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Temperature setting range (°C)	30–65	30–80	30–80	30–80	30–80	30–80	30–80
Number of heating elements	2	1	2	1	1	2	2
Hot water output at $\Delta t = 25\text{ }^{\circ}\text{C}$ (L/h)	197	471	942	393	471	786	942
Hot water output at $\Delta t = 35\text{ }^{\circ}\text{C}$ (L/h)	141	337	674	281	337	562	674
Hot water output at $\Delta t = 55\text{ }^{\circ}\text{C}$ (L/h)	89	214	428	178	214	357	428
Inlet/outlet / safety valve / drain	DN25 / DN20 / DN25	DN25 / DN20 / DN25	DN25 / DN20 / DN25	DN25 / DN20 / DN25	DN25 / DN20 / DN25	DN25 / DN20 / DN25	DN25 / DN20 / DN25
Total height A (mm)	1800	1800	1800	1980	1980	1980	1980
Outlet height B / inlet height C (mm)	1570 / 180	1570 / 180	1570 / 180	1750 / 250	1750 / 250	1750 / 250	1750 / 250
Body diameter D / max. depth E (mm)	560 / 610	560 / 760	560 / 760	630 / 830	630 / 830	630 / 830	630 / 830
Net weight (kg)	121	130	136	175	172	183	178

495 L high-output models

Model	OTME495-36	OTME495-45	OTME495-54	OTME495-60	OTME495-75	OTME495-90
Storage capacity (L)	495	495	495	495	495	495
Rated power (kW)	36	45	54	60	75	90
Power supply	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Rated working pressure (MPa)	1.1	1.1	1.1	1.1	1.1	1.1
Temperature setting range (°C)	30–75	30–75	30–75	30–75	30–75	30–75
Number of heating elements	2	3	3	4	5	5
Hot water output at $\Delta t = 25\text{ }^{\circ}\text{C}$ (L/h)	1,179	1,474	1,769	1,966	2,457	2,949

Model	OTME495-36	OTME495-45	OTME495-54	OTME495-60	OTME495-75	OTME495-90
Hot water output at $\Delta t = 35\text{ }^{\circ}\text{C}$ (L/h)	842	1,053	1,264	1,404	1,755	2,106
Hot water output at $\Delta t = 55\text{ }^{\circ}\text{C}$ (L/h)	536	670	804	893	1,117	1,340
Inlet/outlet pipe diameter	DN25	DN50	DN50	DN50	DN50	DN50
Safety valve / drain valve	DN20 / DN25	DN25 / DN25	DN25 / DN25	DN25 / DN25	DN25 / DN25	DN25 / DN25
Total height / outlet height / inlet height (mm)	1980 / 1750 / 250	1980 / 1750 / 250	1980 / 1750 / 250	1980 / 1750 / 250	1980 / 1750 / 250	1980 / 1750 / 250
Body diameter / max. depth (mm)	630 / 830	630 / 830	630 / 830	630 / 830	630 / 830	630 / 830
Net weight (kg)	183	188	188	193	198	198

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ELECTRIC WATER HEATERS & BOILERS

Commercial Electric Boiler – Large-Capacity Storage Type

A large-capacity electric boiler with an enamel-lined storage tank and grouped heating control, for commercial projects that need high hot water output from an electric supply.

180–720 kW

495–1,150 L

Grouped heating control

Atmospheric operation

Typical applications: Hotels · Schools and dormitories · Hospitals · Industrial facilities · Buildings without gas supply



Key features

Tank and casing. BLUE-ARMOR enamel inner tank (Baosteel enamel steel), integral polyurethane foam insulation, and an aluminum-magnesium alloy color-coated steel casing.

Electrical safety. Industrial-grade imported circuit breakers and contactors. Each control circuit has its own residual-current breaker, so a fault in one circuit does not affect the others.

Control. LED touch-screen control panel with 24-hour time-segment scheduling.

Heating. Heatwell electric heating elements with grouped heating control, so the heating power can be selected to match actual demand.

Automatic protection. Over-temperature, dry-firing, anti-freeze and leakage protection; safety valve, pressure gauge and air vent valve fitted.

Technical specifications

Model	EBF180	EBF360	EBF720
Storage capacity (L)	495	1150	1150
Rated power (kW)	180	360	720
Power supply	380V/50Hz	380V/50Hz	380V/50Hz
Rated working pressure	Atmospheric	Atmospheric	Atmospheric
Temperature setting range (°C)	30–85	30–85	30–85
Number of heating elements	5	10	20
Hot water output at $\Delta t = 25\text{ }^{\circ}\text{C}$ (L/h)	6,192	12,384	24,768
Hot water output at $\Delta t = 35\text{ }^{\circ}\text{C}$ (L/h)	4,422	8,845	17,691
Hot water output at $\Delta t = 55\text{ }^{\circ}\text{C}$ (L/h)	2,814	5,629	11,258
Inlet/outlet pipe diameter	DN50	DN65	DN100
Drain valve diameter	DN25	DN50	DN50
Total height A (mm)	2100	2100	2350
Outlet height B / inlet height C (mm)	1750 / 250	1950 / 265	2040 / 285
Body diameter D / max. depth E (mm)	710 / 860	1000 / 1260	1000 / 1260
Net weight (kg)	250	273	325

Data as published by OTTMEL. Specifications may change; please confirm the current datasheet with our sales team before ordering. Gas type, voltage and other market-specific requirements should be confirmed for each project.



ELECTRIC WATER HEATERS & BOILERS

Commercial Floor-Standing Electric Heating Boiler

A compact floor-standing electric boiler for space heating. It runs without combustion or flue gas, operates in atmospheric or pressurized mode, and controls either water temperature or room temperature.

12–99 kW

Thermal efficiency > 98%

380V/50Hz

Atmospheric or pressurized

Typical applications: Offices and shops · Schools · Small commercial buildings · Sites where gas is unavailable or restricted

Key features

Heating elements. Heatwell electric heating elements with high corrosion resistance; thermal efficiency over 98%.

Control. Water-temperature or room-temperature control with dual over-temperature alarms; variable-power control based on temperature; 24-hour time-segment scheduling via LED touch screen.

Interfaces. External pump interface and indoor thermostat interface.

Operating modes. Atmospheric or pressurized operation; tested with 1.1 MPa water pressure test equipment.

Protection. Water-level monitoring with dry-firing protection, and an anti-freeze function to protect pipework in winter.

Technical specifications

Model	EBF12	EBF15	EBF18	EBF36	EBF72	EBF99
Rated power (kW)	12	15	18	36	72	99
Rated current (A)	18	24	29	58	116	146
Recommended heating area (m ²)	120	150	180	360	720	1000
Power supply	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Pump	Optional external pump	Optional external pump	Optional external pump	Optional external pump	Optional external pump	Optional external pump
Rated pressure (MPa)	0.87	0.87	0.87	0.87	0.87	0.87
Water temperature range (°C)	30–85	30–85	30–85	30–85	30–85	30–85
Length × width × height (mm)	600×600×1000	600×600×1000	600×600×1000	600×600×1000	600×600×1000	600×600×1000
Inlet/outlet pipe diameter	DN25	DN25	DN25	DN25	DN50	DN50
Net weight (kg)	37	38	39	40	45	50

Data as published by OTTMEL. Specifications may change; please confirm the current datasheet with our sales team before ordering. Gas type, voltage and other market-specific requirements should be confirmed for each project.

Project references in China

OTTMEL equipment supplies domestic hot water and heating in hotels, schools, elderly care centers, healthcare facilities and offices. Selected references (all located in China):



Ji Hotel Xi'an (Zhangba East Road Branch)



Mino Hotel & Qiuguo Hotel, No. 5 Zhongguancun, Beijing



Youxiang Shiguang Elderly Care Service Center, Hefei



Shanghai No. 5 Social Welfare Institute

Hotels

- Ji Hotel Xi'an (Zhangba East Road Branch)
- Mino Hotel & Qiuguo Hotel, No. 5 Zhongguancun, Beijing
- James Joyce Coffetel, Shunsha Road, Beijing
- Pan Pacific Dalian
- Beijing Zhefei Hotel
- Beijing Huairou Qiuguo Hotel
- Urumqi Pulin All Seasons Hotel
- Urumqi Pulin Hanting Hotel
- Bengbu Junhe Hotel
- Beijing Shunsha Road Zhefei Hotel
- Xi'an All Seasons Hotel (Zhangba East Road Branch)
- Hanting Hotel, Jinjiang District, Chengdu
- Beijing Lavande Hotel (Xianqiao Branch)
- Squirrel Town Forest Hotel (134 rooms)

Schools & campuses

- Yihe Middle School, Cangzhou

- Pudong Lingang Senior High School (affiliated with East China Normal University), Shanghai
- Shanghai Soong Ching Ling Kindergarten
- Hefei Engineering Technical School, Binhu Campus
- Jiangsu Suqian High School (tender won for 14 units)

Elderly care

- Youxiang Shiguang Elderly Care Service Center, Hefei
- Shanghai No. 5 Social Welfare Institute
- Dongba Fushouyuan Elderly Care Center, Chaoyang District, Beijing

Healthcare

- Xuxing Town Community Health Service Center, Jiading District, Shanghai

Offices

- Financial Technology Center of Bank of Tianjin

OEM & private label

For brand owners, importers and distributors who want to sell commercial water heaters or boilers under their own brand. Customization is discussed case by case, based on the product and your market requirements.

What can be discussed

- Brand name and logo on the product and rating plate
- Exterior color and appearance
- Control panel language
- Packaging and printed documentation
- Power supply, gas type or other technical adaptations for your market

Information to send for a quotation

- Company name, business type and country
- Product family and models of interest
- Target market requirements (standards, certifications, voltage, gas type)
- Estimated quantity per order and per year
- Branding and customization requirements
- Drawings, tender specifications or reference photos

How it works

Inquiry Send your requirements by email or through the website.	Technical review We review models, market requirements and customization with you.	Quotation We send a quotation and commercial terms.	Sample & approval Samples and artwork confirmation where required.	Production & shipment Production, inspection and shipment as agreed.
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Minimum order quantity, lead time and certification scope are confirmed individually for each inquiry.

2-year warranty on OTTMEL products. Contact us for the warranty terms that apply to your market.



Contact us

Send your country, business type, product interest and estimated quantity.
Our export team will reply with the matching datasheet and a quotation.

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