warmhaus

High Efficiency Boilers for All Houses

Enerwa **Enerwa** Plus

ErP

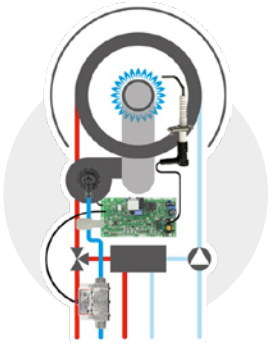
A Energy Class

NOx Level Lower Than ErP Class 6

Beyçelik HOLDİNG

Enerwa	Enerwa Plus
24 kW / 31 kW	24 kW / 31 kW
28 kW / 35 kW	28 kW / 35 kW
33 kW / 39 kW	33 kW / 39 kW
	42 kW / 40 kW
	45 kW / 43 kW

Full Premix Condensing Boilers



Efficiency and Savings up to 97.5%* with Electronic Gas Adaptive Control (GAC)

With its electronic GAC feature, it instantly detects the combustion quality and always provides the ideal air-gas mixture, **providing gas savings with an efficiency of up to *97,5%.**

* At 30% of Nominal Heat Power and Low Temperature Regime (η1)

High Savings with up to 1/10 Modulation Ratios

Varying across different models, the wide modulation ranges from 1/10 (11%), 1/6 (17%) to 1/5 (18%) can decrease the power down to 3.6 - 7 kW, thus adjusting its capacity according to your requirements to provide **you savings in both gas and electric energy.**

Hot Water Comfort in Double Taps (from 15 up to 20 l/min)

Enerwa Plus boilers have enhanced double power capacity for hot water usage and enable you to use double taps simultaneously with high hot water flow rates up to 15, 17, 19, 18 and 20 l/min.

Long Lasting Life With Stainless Steel Exchangers

Enerwa boilers **can be used for long years** with their wide channel, no-welding, single coil, stainless steel main heat exchanger and stainless steel plate heat exchanger.

In the Lowest NO_x Class for Exhaust Gas According to the ErP Directives

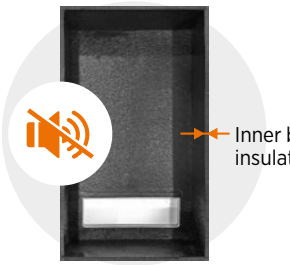
Lowers environmentally hazardous NO_x emissions even below the values determined by the best class level of 6 for NO_x as an appendix of the Energy-related Products Directive (56 mg/kWh), to 25/27 mg/kWh **in order to reduce air pollution.**

Smooth Operation With Corrosion-resistant Brass Hydroblock Component

With brass hydro block components resistant to thermal stress and corrosion, provides problem-free operation **for long years.**

Shorter waiting time for hot water with Pre-Heat

When the pre-heating option is chosen, domestic water inside the plate heat exchanger is always kept warm and ready to use thus **the waiting time required for hot water is lowered to a minimum.**



Silent Operation and Low Heat Loss

Due to special insulation material used in the front and side plates, **heat loss from the body is reduced and silent operation is ensured.**

XL Hot Water Comfort

The Enerwa Plus boilers -designed by Warmhaus and manufactured in Turkey are the best boilers for large houses and spaces with 2 or 3 bathrooms that have high heating and hot water demand.

288 mm : Enerwa and Enerwa Plus 24, 28 and 33
385 mm : Enerwa Plus 42 and Enerwa Plus 45

Can be installed in Small Spaces thanks to Optimum Dimensions

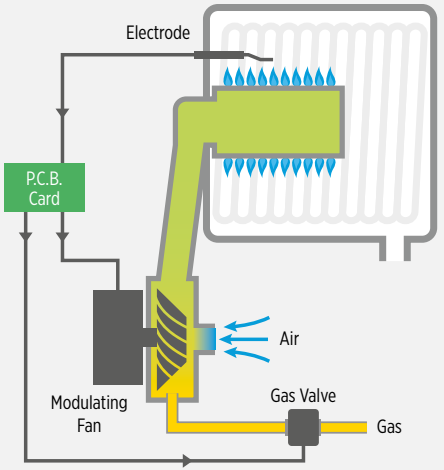
Enerwa and Enerwa Plus 24, 28, 33 models have a volume of 88 liters and Enerwa Plus 42, 45 models with a volume of 117 liters, allowing them to be installed even in narrow spaces, ensuring that high heating and hot water demands are met. Thus, these boilers offer practical solutions with low cost and easy installation.

- **Stainless steel material** that provides perfect resistance against corrosion
- A double-chambered **high efficiency** compact body that consists of a burning chamber and a condensing chamber separated with insulation
- The single-coil wide pipe with an oval shape provides long-term reliability against blockages caused by debris
  - Even distribution to the pipe and smooth flow rate
  - Perfect heat transfer
  - No-welding robust construction

What is the Full Premix Gas Adaptive System?

The electronic card detects the gas quality instantly through the signal received over the electrode and preserves consistent burning quality due to the Full Premix System which commands the modulating fan and gas valve synchronously.

The Full Premix System ensures that the used gas burns with the most ideal mixture and all its energy is used to the maximum. Thus, the electronic Full Premix Gas Adaptive System provides **higher gas and electric savings** compared to premix boilers using a pneumatic system.



Easy to Use Push-Button Panel

Enerwa

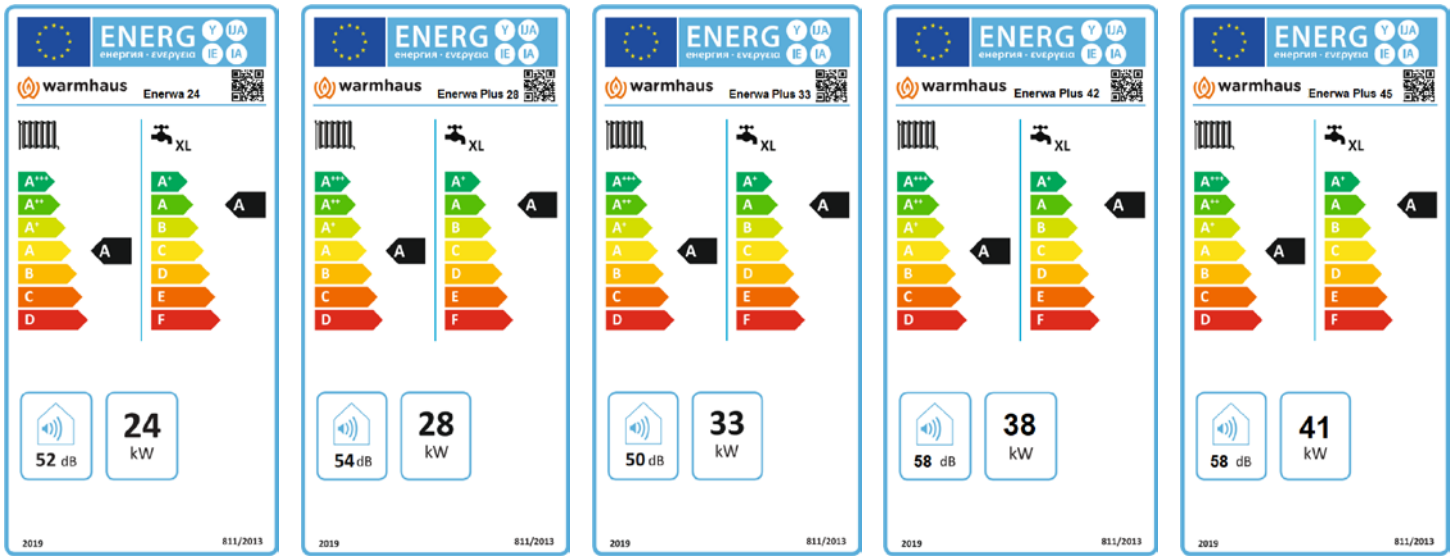
Control panel with rotary temperature adjustment knobs, MODE and RESET buttons and digital 2” LCD screen with blue backlight.

Enerwa Plus

The wide 3” LCD digital screen with orange illumination shows the radiator water temperature and domestic hot water temperature at the same time. The screen also has multi-function features that enable various information like plumbing system pressure, warning/error codes, room thermostat connection, and parametric features that enable the equipment to be customized and easily tracked.

The RESET button that makes the boiler restart and enables separate adjustment of the radiator water temperature and domestic hot water temperature, and the MODE button that enables the winter, summer and on-off features combined with 6 push buttons ensure that the control panel is easy to use.

Practical Heating Solutions For Large Houses



How Does the Warmhaus ErP Boiler Stand Out?

- The circulation pumps of ErP condensing boilers are modulating pumps that can adjust their speed when necessary. Thus **the electric consumption of the equipment is reduced significantly.**
- ErP condensing boilers are products compatible with EU directives that **heat more efficiently and consume less energy.**
- ErP compatible products are labeled according to their energy class. So you can see how much energy-saving your product is capable of from its label.

Technical Data

TECHNICAL DATA	UNIT	Enerwa 24/31 Enerwa Plus 24/31		Enerwa 28/35 Enerwa Plus 28/35		Enerwa 33/39 Enerwa Plus 33/39		Enerwa Plus 42/40		Enerwa Plus 45/43	
Gas Circuit / Gas Type		NG / G20	LPG / G31	NG / G20	LPG / G31	NG / G20	LPG / G31	NG / G20	LPG / G31	NG / G20	LPG / G31
Gas Supply Pressure	mbar	20	37	20	37	20	37	20	37	20	37
Gas Consumption at Minimum / Maximum	m^3/h	0.37 / 2.38	0.11 / 0.92	0.40 / 3.05	0.14 / 1.18	0.43 / 3.40	0.17 / 1.3	0.7 / 4.0	0.3 / 1.6	0.7 / 4.2	0.3 / 1.7
Seasonal Space Heating Energy Class / Efficiency (η_s)	**%**	**A / 92**		**A / 92**		**A / 92**		**A / 92**	**A / 91**	**A / 92**	**A / 91**
Useful efficiency at rated heat output and high temperature regime(2) (η_4)	%	87.6	87.7	88.0	88.6	88.2	88.0	87.4	87.4	87.4	87.4
Useful efficiency at 30% of rated heat output and low temperature regime(1) (η_1)	%	97.5	97.7	96.8	96.9	96.9	96.6	96.6	96.6	96.6	96.6
Radiator Circuit / Temperature Selection Range High / Low	**°C**	**25 - 80 / 25 - 47**									
Useful heat output at rated heat output and high temperature regime (2) (P_4)	kW	23.7	23.7	28	28	33.02	33.02	38.2	38.2	41.4	41.3
Useful heat output at 30% of rated heat output and low temperature regime (1) (P_1)	kW	4.34	4.4	4.97	4.85	5.72	6.09	7.91	7.91	7.91	7.91
(50/30 °C) Efficiency at Minimum / Maximum Heat Output P_n	kW	3.6 / 25	2.9 / 25	3.9 / 30	3.9 / 30	3.6 / 35.5	2.9 / 25	7.6 / 42	7.5 / 42	7.6 / 45	7.5 / 44
Operating Pressure (Minimum / Maksimum)	bar	0.5 / 3									
Expansion Vessel	liter	8		10		10		12		12	
Maximum Pump Pressure (Q = 0 m^3/h)	mH_2O	6.2		7.6		7.6		7.6		8	
Maximum Pump Flow Rate	l/h	2300 (H = 0.8 mH_2O)		2500 (H = 0.4 mH_2O)		2500 (H = 0.4 mH_2O)		2300 (H = 0.4 mH_2O)		2800 (H = 0.8 mH_2O)	
Domestic Hot Water Circuit / Temperature Adjustment Range	**°C**	**35 - 60**									
Water Heating Energy Efficiency Class / Declared Load Profile		**A / L**	**A / XL**	**A / XL**	**A / XL**	**A / XL**	**A / XXL**	**A / XL**	**A / XL**	**A / XL**	**A / XL**
Water Heating Energy Efficiency	**%**	**81**	**84**	**83**		**84**	**82**	**81**		**81**	
Maximum DHW Heat Input (Minimum / Maximum)	**kW**	**3.5 / 31.2**		**3.75 / 35**		**4.35 / 38.8**		**7.2 / 39.5**		**7.2 / 42.5**	
Modulation Range		**1/10 (11% - %100)**		**1/10 (11% - %100)**		**1/10 (11% - %100)**		**1/5 (18% - %100)**		**1/6 (17% - %100)**	
Domestic Hot Water flow rate (Δt: 30 °C) (Minimum / Maximum)	l/min	1.5 / 15		1.5 / 17		1.5 / 19		1.5 / 18		1.5 / 20	
DHW Water Pressure (Minimum / Maximum)	bar	0.5 / 10									
Electricity Circuit / Electricity Supply / Protection Index		**[230 V +%10; -%15] / IP X 5D**									
Electricity Consumption (Min./Max.)	**Watt**	**95 / 55**		**104 / 60**		**115 / 65**		**149 / 90**		**154 / 90**	
Exhaust Gas Circuit		NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG
(80/60 °C) Exhaust gas temperature (Minimum / Maximum)	°C	69 / 71	60 / 70	61/ 66	58 / 65	57 / 62	58 / 67	60 / 65	54 / 66	61 / 66	55 / 67
(50/30 °C) Exhaust gas temperature (Minimum / Maximum)	°C	49 / 51	47 / 51	45 / 45	43 / 45	47 / 44	49 / 49	34 / 42	34 / 43	35 / 43	35 / 44
Weighted Value of NO_x (GCV) / NO_x Class: 6	mg/kWh	20	31	41	49	34	53	25	50	27	53
Maximum Flue Lenght (Ø60/100 mm) [Horizontal* / (Vertical*]	m	10 / 11		10 / 11		10 / 11		10 / 11		10 / 11	
Type		C_{13}. C_{33}. C_{53}. C_{63}. C_{83}. C_{93}. C_{103}. B_{23}. B_{23P}. B_{33}						C_{13}. C_{33}. C_{43}. C_{53}. C_{63}. C_{83}. B_{23}. B_{23P}			
General / Dimensions H x W X D	**mm**	**725 x 420 x 288 [Volume < 87.7 Liter]**						**725 x 420 x 385 [Volume < 117.2 Liter]**			
Sound Level	dB (A)	52		54		50		58		58	
Net Weight / Packed Device Weight	kg	33.5 / 34.7		34.7 / 35.9		35.5 / 36.7		37.5 / 39.5		38 / 40	

(1) Low temperature means for condensing boilers 30 °C, for low temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).
(2) High temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.
(*) At the maximum flue distance, the flue length should be reduced by 1 meter for every 90° bend and 0.5 meter for every 45° bend.

The Warmth of Your Home is In Your Command!

Weekly Programmable Control Panels With Room Thermostats and Outdoor Air Temperature Sensor

With a modulated room thermostat remote control panel and outdoor air temperature sensor that works in coordination (both units are optional), you can install a comfortable and modulating automatic heating system that offers weekly programming, and temperature adjustment according to room temperature.

WT-07

Cabled digital room thermostat with modulation and 4 buttons

Product Code: 15311800000027

WT-01

Cabled digital room thermostat with modulation and 10 buttons

Product Code: 15311660600021

WT-RF02

Wireless digital room thermostat with modulation and 10 buttons

Product Code: 15311660600022

WDHS-01

Cabled Outdoor Air Temperature Sensor

Product Code: 15311660600001

Remote Mobile Control with the RecoWa Application!

Product Code: 15311800000001

RecoWa Wi-Fi Smart Room Thermostat Kit

RecoWa is an WiFi Smart Room Thermostat kit with Internet access that allows you to set any temperature you wish from anywhere and at any time through the mobile application.

You can downlad the RecoWa application to your mobile phone with an Android or IOS operating system over an Internet connection.

Download on the App Store

GET IT ON Google Play

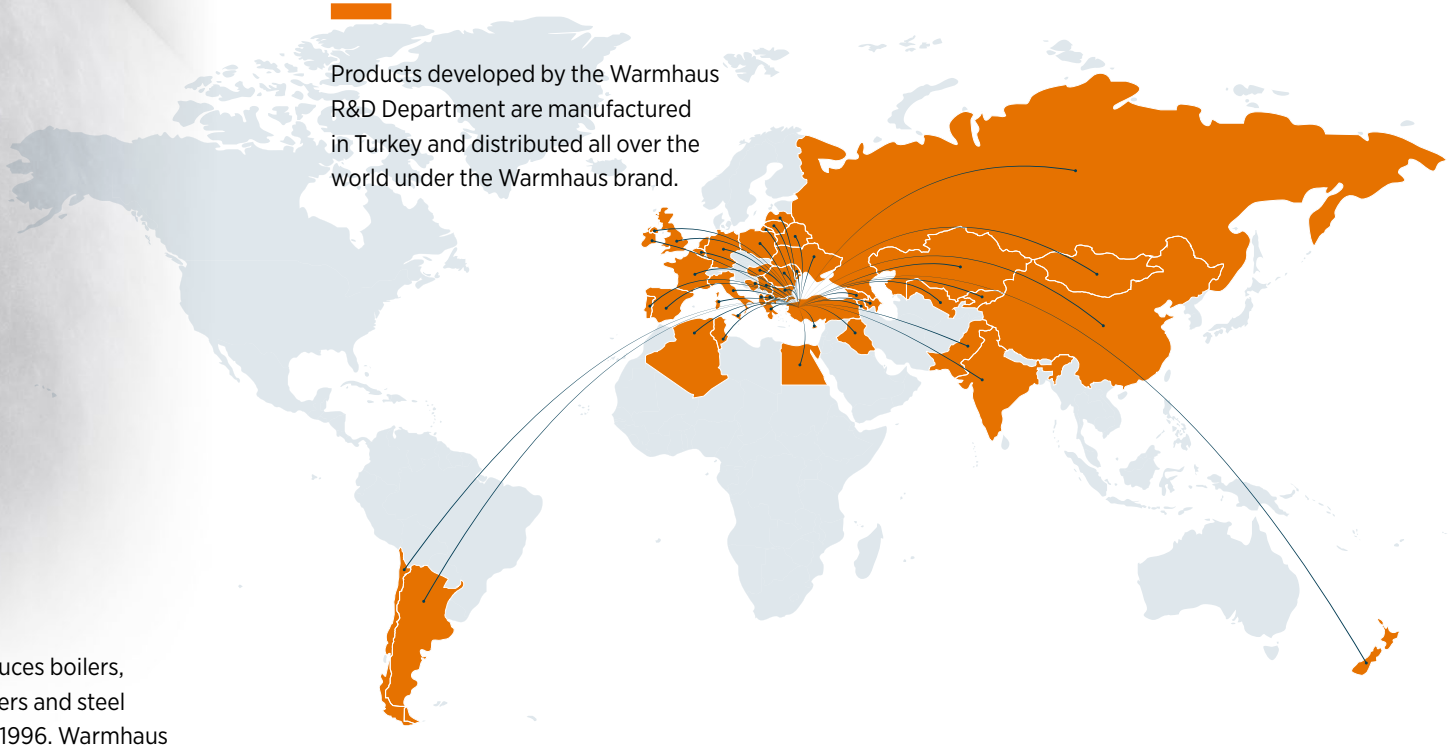
About Warmhaus

Warmhaus is an affilate of Beyçelik Holding which produces boilers, high capacity wall hung consending boilers, water heaters and steel panel radiators with experience in HVAC industry since 1996. Warmhaus is one of the biggest steel panel radiator manufacturers in the world and is heating one of every seven houses in Turkey. Warmhaus products are warming houses and buildings in more than +50 countries.

With modernised production lines and high quality products; Warmhaus warms houses and buildings in more than +50 countries.

Global Heating Brand

Products developed by the Warmhaus R&D Department are manufactured in Turkey and distributed all over the world under the Warmhaus brand.



- Albania
- Algeria
- Argentina
- Azerbaijan
- Belgium
- Bosnia
- Bulgaria
- Chile
- China
- Egypt
- Estonia
- France
- Georgia
- Germany
- Greece
- Hungary
- India
- Iraq
- Ireland
- Italy
- Jordan
- Kazakhstan
- Kosovo
- Kyrgyzstan
- Latvia
- Lithuania
- Macedonia
- Moldova
- Mongolia
- Netherlands
- Northern Cyprus
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Spain
- Tunisia
- Turkmenistan
- Ukraine
- United Kingdom
- Uzbekistan

Beyçelik HOLDİNG

Management Office Nidakule Ataşehir Kuzey Barbaros Mahallesi, Begonya Sokak No: 3 K: 19 34746 Ataşehir, İstanbul, Turkey **T** +90 216 300 16 50
Boiler Factory Işıktepe OSB Mah. Park Cad. No: 10 16140, Nilüfer, Bursa, Turkey
Radiator Factory Minareliçavuş OSB Mah. Selvi Cad. No: 3 16140, Nilüfer, Bursa, Turkey **T** +90 224 295 94 00 **F** +90 224 411 23 77
United Kingdom Unit 7, St Martins Business Centre St Martins Way, Bedford MK42 0LF, England **T** +44 207 164 6233 **F** +44 207 000 1336

Follow Us On Social Media

warmhausofficial
warmhausoff
warmhausofficial
Warmhaus Official

info@warmhaus.com.tr
warmhaus.com

WH-212-KAT-20230213-INT