



VH-20 VH-24

High Quality
Conventional Boiler

VH-24



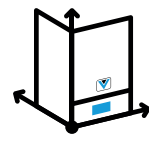
All push-button
smart 3" digital LCD screen

8 Reasons To Choose Vessen Boiler



High Efficiency

With its special design and high capacity components, Lawa Boilers have **93% efficiency**. They are environmentally friendly and cost effective.



Compact Size

With its **minimum dimensions**, Lawa combi boilers can be installed in the narrowest spaces.



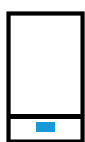
Protection Against Frost

Even in the coldest weather, Lawa boilers are protected with their **Anti-Frost Protection System**.



Very Quiet in Operation

Lawa Boilers run very quiet thanks to **10mm** wide special insulation material in its inner surface.



Long Lasting

Lawa Boilers offer **long lasting and problem free** use with their high quality components.



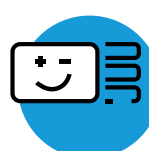
Fully Safe

Lawa Boilers warm you and your loved ones safely thanks to its **23 different safety systems**.



Continuous Comfort

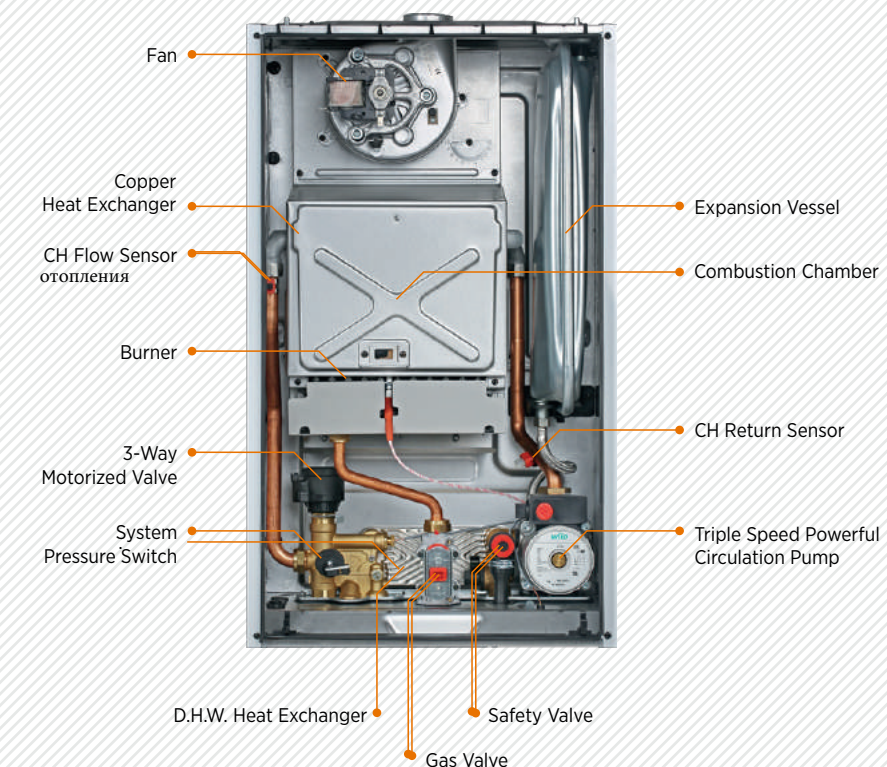
Lawa combi boilers provide uninterrupted warm water comfort by **working properly even in low pressure network system**.



User Friendly With Smart Display

With different display options, Lawa combi boilers offer **aesthetic appearance**, as well as **its ease of use**.

Long Lasting - and Smooth - Use With - High-Quality Components



Aesthetic and Compact



Warmth of Your Home is In Your Hands!

Room Thermostats



WT-07

4 button, cabled digital room thermostat with modulation
Product Code: 153.11.660.600020



WT-08

10 button, cabled digital room thermostat with modulation
Product Code: 153.11.660.600021



WT-RF03

10 button, wireless digital room thermostat with modulation
Product Code: 153.11.660.600022



WDHS-01

Cabled External Temperature Sensor
Product Code: 153.11.660.600001

Our room thermostats are compatible with all Warmhaus boilers and sold separately.

Technical Data	Vessen 18 Vessen Plus 18		Vessen 24 Vessen Plus 24		Vessen 28 Vessen Plus 28	
	Natural Gas*	Natural Gas*	LPG	Natural Gas*	LPG	
Gas Circuit						
Gas Consumption in Maximum Heat Load ("Hu=9,59 kWh/m³)	m³/h	2,12	2,535	0,967	3,254	1,215
Gas Consumption in Minimum Heat Load ("Hu=9,59 kWh/m³)	m³/h	1,11	0,890	0,330	1,090	0,455
Radiator Circuit						
Maximum Nominal Radiator Heat Power	kW	18,33	23,2	21,74	28	28
Efficiency in Maximum Heat Power	%	92,0	93,9	93,77	94,06	93,68
Heat Setting Range	°C	35 - 80	35-80	35-80	35-80	
Minimum / Maximum Operating Pressure	bar	0,5 / 3	0,5 / 3		0,5 / 3	
Domestic Hot Water Circuit						
Maximum Domestic Hot Water Heat Output	kW	22,5	23,2	21,7	28	28
Heat Setting Range	°C	35 - 60	35 - 60		35 - 60	
Max. Domestic Hot Water Flow rate (Δt: 30 °C)	l/min.	10,5	10,9		13,9	
Minimum / Maximum water pressure	bar	0,3 / 10	0,3 / 10		0,3 / 10	
Electric Circuit						
Power Supply	V AC-50 Hz	230 V +%10; -%15	230 V +%10; -%15		230 V +%10; -%15	
Power Consumption	Watt	123	121		136	
Protection Index	IP	X5D	X5D		X5D	
Exhaust Gas Circuit						
Exhaust Gas Min. / Max. Temperature (Domestic Hot Water and Radiator)	°C	105 / 122	96 / 124	89 / 111	85 / 108	88 / 110,2
NOx	Class	3	3	3	2	2
General						
Maximum/Minimum Ambient Temperature	°C	+10 / +48	+10 / +48		+10 / +48	
Hydraulic Group Material		Brass	Brass		Brass	
Sizes	mm	725 x 420 x 288	725 x 420 x 288		725 x 420 x 380	
Net Weight / Packed Device Weight	kg	29,3 / 32,5	29,3 / 32,5		34,5 / 37,2	
Maximum Flue Range (Horizontal)*	m	5	5		5	
Maximum Flue Range (Vertical)*	m	6	6		6	

* In a maximum flue range, for every 90° bend; it should be reduced by 1 m and 0.5 m for each 45° bend.