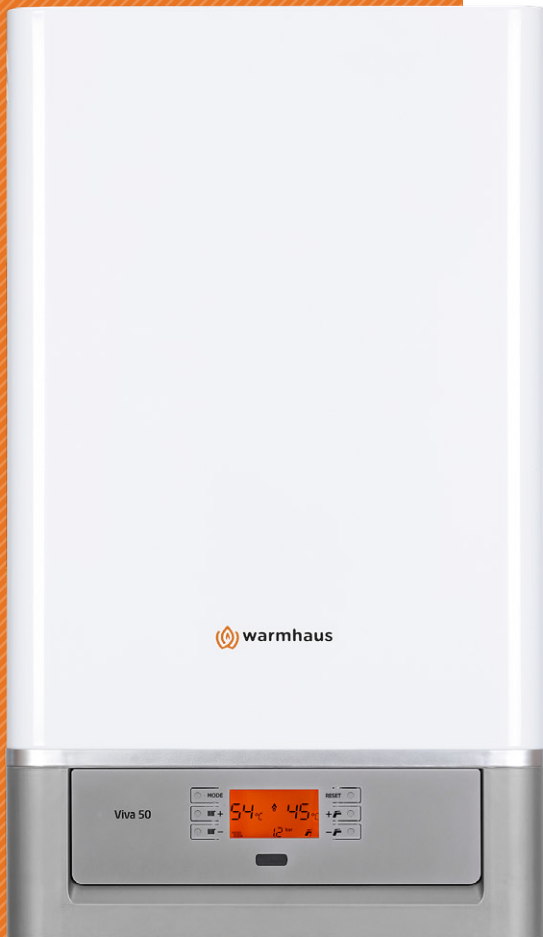


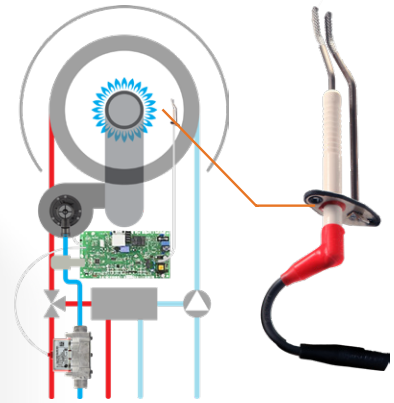
# Viwa

50-65 kW



## 11 Reasons to Choose Viwa Boiler

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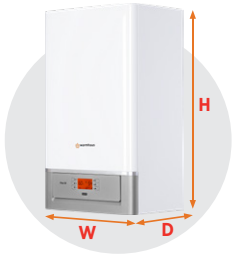
### Gas Adaptive System

Viwa 50 and Viwa 65 boilers have gas adaptive system features that provide continuous high efficiency by adjusting the ideal air and gas ratio.



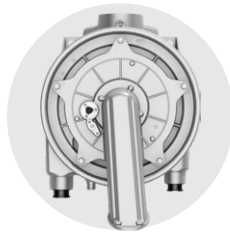
### High Productivity in all Season with 1:8 Modulation Ratio

It ensures high productivity every time both in mid-season and at while minimum power is needed with cutting ability its maximum power 1:8 ratio.



### Compact Dimensions & Less Installation Area (W:425 x D:385 x H:725 mm)

Compact dimensions and adjacent installation capability allows installation with less area.



### Stainless Steel Exchanger

High efficient coil type exchanger provides long product life and decreases clogging risk to minimum with its watertight and wide hydraulic channels.



### Cascade up to 6 boilers & 390 kW Power

Central heating capacity up to 390 kW with 6 boilers can be obtained easily with cascade installation.



### Coordination with Different Cascade Control Panel

Thanks to OpenTherm communication protocol it can contact with any cascade control unit sold in the market.



### Multi-zone management

With an external optional module, 4 heating zone or 1 heating zone plus 1 underfloor zone can be controlled.



### User Friendly Control Panel

Illuminated wide information screen shows heater, hot usage water, installation pressure, Outside Sensor connection and room thermostat connection and flame modulation in the screen at the same time.



### Built-in Air & Dirt Separator

Built-in mini Air & Dirt Separator on the exhaust manifold prevent air and particle in the system from damaging the exchanger.



### Hermetic Flue Connection

Warmhaus Viwa boilers have room sealed hermetic boiler design and compatible with Ø80/125 mm concentric flue connection. Each boiler can be used with its own flue sets independent from each other which makes cascade systems easy to install in roof spaces without a stainless steel flue.



### Perfect Body Isolation

High Usage Productivity is ensured by 10 mm thickened isolation which prevents heat loss from boiler body and decreases sound level.

## Control Panel

Wide illuminated information screen shows heater, hot usage water, installation pressure, outside air sensor connection, room thermostat connection and flame modulation at the same time.

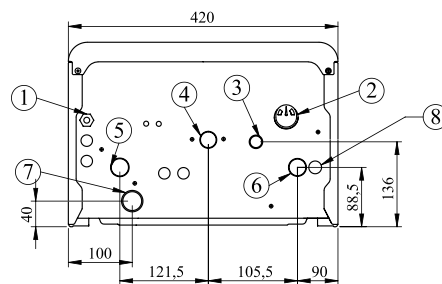
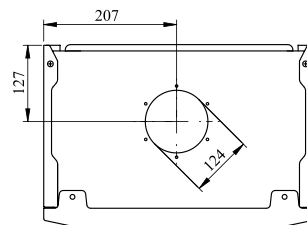
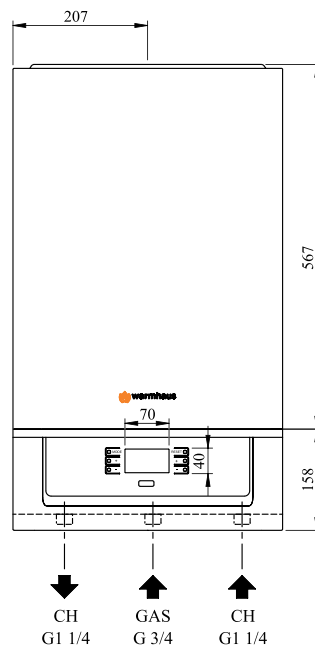
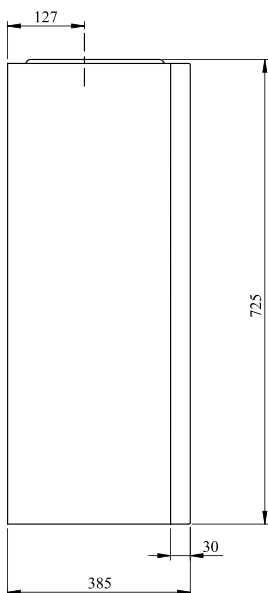
1. OFF / Winter / Summer button
2. C.H. temperature increase button
3. C.H. temperature reduce button



4. Reset button
5. D.H.W. temperature increase button
6. D.H.W. temperature reduce button

## Dimension and Weight

It can be installed side by side without distance thanks to compact dimensions. Thanks to smaller volume and low weight it provides easy assembling.

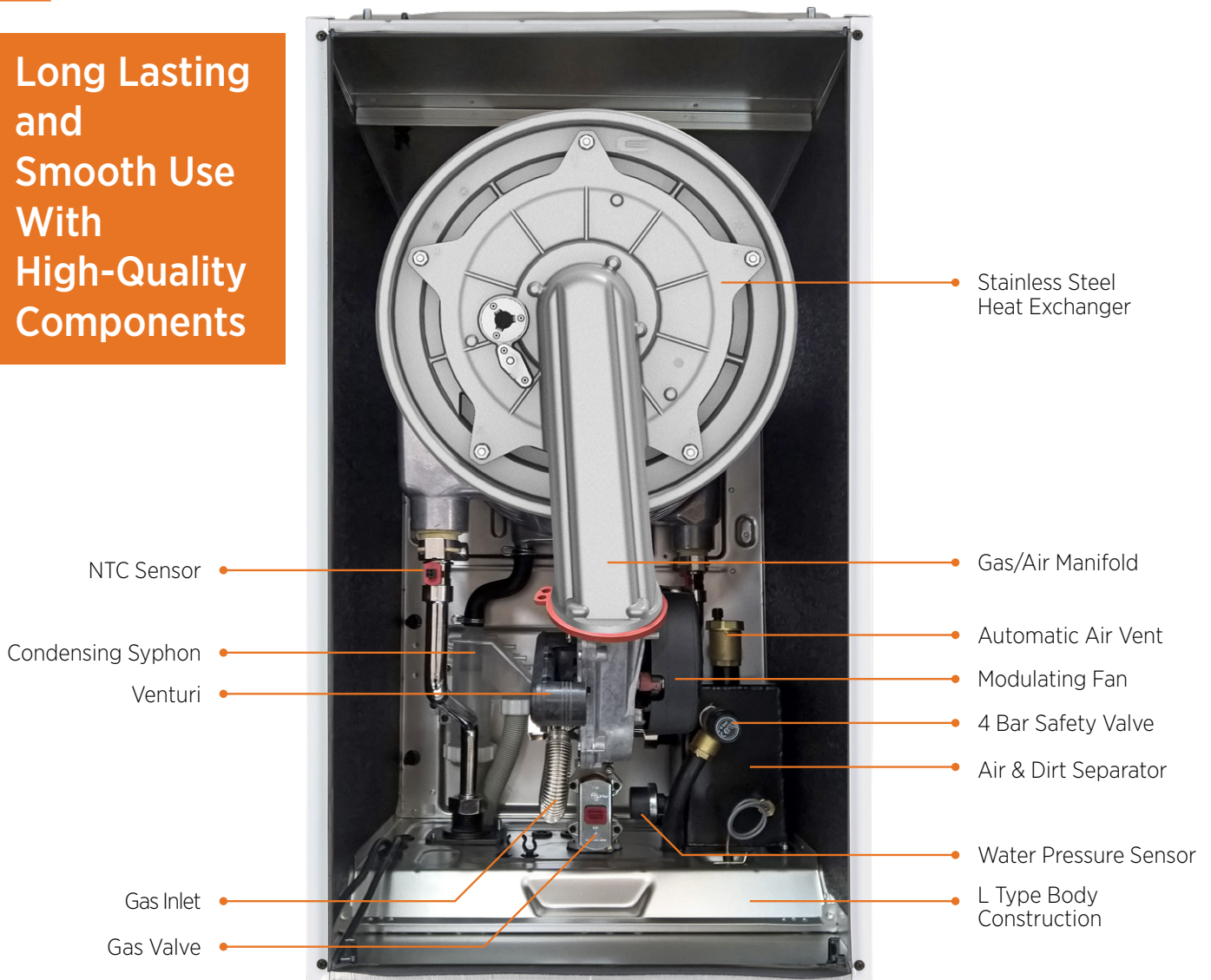


**WIDTH** : 425 mm  
**DEPTH** : 385 mm  
**HEIGHT** : 725 mm  
**WEIGHT** : 40 Kg (Viwa 50)  
 45 Kg (Viwa 65)

1. 230 V AC Electrical Connection
2. Manometer
3. Security Valve Output Lin
4. Gas Input
5. Heater Outgoing Line
6. Heater Return Line
7. Condensate Output Line
8. Sludge Dirt Remover Unload Line

## Internal View and Components

Long Lasting and Smooth Use With High-Quality Components



## Stainless Steel Exchanger & Burner

Thanks to large hydraulic outgoing and without its non-leaking feature spiral exchanger which minimizes the risk of clogging ensures longer usage period.

### Advantages of Stainless Steel Exchanger

Aluminum body and cover, Ferritic Stainless Steel (EN 1.4509/ AISI 441) temperature exchanger (Laser-welded tube ), stainless steel single spiral, stainless steel burner, high efficiency, fitted condensation platform for ErP, low emission rates, none parallel hydraulic circuit, brass and without manifold hydraulic circuit, non-hydraulic leaking, balanced hydraulic flow, better thermal efficiency, more resistance to dirty with large hydraulic outgoing are among the advantages.



## Technical Data

Technical Table	Unit	Viwa 50	Viwa 65
CE Certificate		CE-1015CT 0659	CE-1015CT 0660
<b>Gas Circuit</b>			
Gas type		G20	
Gas Supply Pressure	mbar	20	
Maximum Gas Consumption	m <sup>3</sup> /h	4,809	6,506
Minimum Gas Consumption	m <sup>3</sup> /h	0,619	0,825
<b>Premix System</b>			
<b>Modulation Rate</b>			
1:8			
<b>Exchanger Material</b>			
Stainless steel			
<b>Efficiency</b>			
		<b>G20</b>	<b>G20</b>
Efficiency at (80/60 °C) Maximum Heat Output	%	97,56	97,33
Efficiency at (50/30 °C) Maximum Heat Output	%	105,32	104,92
Efficiency at (36/30 °C) 30% Load	%	107,78	108,02
Seasonal Heating Energy Efficiency	%	92 (Class A)	
<b>Radiator Circuit</b>			
		<b>G20</b>	<b>G20</b>
Maximum Heat Input (Qn)	kW	50	65
Minimum Heat Input (Qn)	kW	6,5	8
Maximum Heat Output (Pn) (80/60 °C)	kW	45,73	57,78
Minimum Heat Output (Pn) (80/60 °C)	kW	5,69	7,28
Maximum Heat Output (Pn) (50/30 °C)	kW	51,23	64,66
Minimum Heat Output (Pn) (50/30 °C)	kW	6,51	8,51
(High) Temperature Setting Range for Radiator Circuit (min÷max)	°C	25÷80	
(High) Temperature Setting Range for Underfloor Heating Circuit (min÷max)	°C	25÷47	
Operating Pressure (Maximum)	bar	4	
Operating Pressure (Minimum)	bar	0,5	
<b>Temperature Setting Range</b>			
Temperature Setting Range	°C	35 - 60	
<b>Electrical Circuit</b>			
Power Supply	Watt	4	
Power Consumption (Maximum/Minimum)	V AC-50 Hz	230 V +%10; -%15	
Protection Index	Watt	92 / 11	100 / 12
Power Consumption (Stand-By Mode PSB)	IP	IPX5D	
<b>Exhaust Gas Circuit</b>			
		<b>G20</b>	<b>G20</b>
Exhaust Gas Temperature (Qn)	°C		
(80/60 °C) Exhaust Gas Temperature (Min. / Max.)	°C	55,7 / 62,1	61,4 / 72,0
(50/30 °C) Exhaust Gas Temperature (Min. / Max.)	°C	37,2 / 44,4	40,0 / 51,0
NOx	Class	6	
NOx Weight Values (GCV)	mg/kWh	40	
Exhaust Gas Flow Rate (60/80°C - Qn) Nominal/Minimum	g/s	22,25 / 2,83	28,50 / 3,50
<b>General</b>			
Dimensions (H X W X D)	mm	725 x 425 x 385	
Noise Level (± 1.5 dBA)	dB (A)	61	58
Net Weight	kg	40	46
Packaged Weight	kg	42	48
Type		B 23, C 13, C 33, C 53, C 63, C 83	
Category		I2H (G20=20 mbar)	

Gas Adaptive (\*): This boiler fitted with gas/air ratio controls. Gas and air ratio control settings must not be changed un autorised persons. The gas valve calibration method is explained on service manual and has to be done by Warmhaus official service.