

# Bosch Condens 5000W

## Condensing Hydronic Heating Boilers



Bosch Hydronic Heating Boilers work by utilising condensing technology in recovering the waste heat which is usually expelled through the flue system of a non-condensing boiler. This condensing technology makes the Bosch Condens 5000W range more than 90% energy efficient. For heating a house or apartment, either radiator panels or underfloor heating can be used to heat the air in a natural, quiet way which leads to an increased level of comfort in your home.

The new Bosch Hydronic Heating Boiler range also includes a 37 kW combi boiler which combines heating and domestic hot water supply in the one appliance.

### FEATURES AND BENEFITS:

- ▶ 18 kW and 30 kW system boiler for heating only
- ▶ 37 kW combi boiler for heating and domestic hot water
- ▶ Wall mounted – space saving
- ▶ Easy installation and servicing
- ▶ Available in Natural and LP Gas
- ▶ Aluminium/silicon heat cell
- ▶ Fully electronic safety management and fault diagnostics
- ▶ Optional room thermostats available
- ▶ Quiet operation (42 – 45 dB)

### Specifications

	Models		
Rated heat output	18 kW	30 kW	37 kW
Part number	ZSB182A	ZSB302A	ZWB372A
Ignition	Electronic	Electronic	Electronic
Installation	Internal (requires optional flueing components) or External (requires optional outdoor casing)		
Gas type	NG / LPG	NG / LPG	NG / LPG
Nominal Gas Consumption (NG & LPG) (Mj/H) – Central Heating (CH)	75	130	130
Nominal Gas Consumption (NG & LPG) (Mj/H) – Domestic Hot Water (DHW)	n/a	n/a	160
DHW l/min @ 25°C temp rise	n/a	n/a	21
Energy efficiency at 80°C (CH supply temp)	91%	91%	91%
Gas supply pressure (kPa)	1.13 (NG) 2.75 (LPG)	1.13 (NG) 2.75 (LPG)	1.13 (NG) 2.75 (LPG)
Expansion tank (litr)	8	10	10
Minimum Working Water Pressure (kPa)	CH: 100 DHW: n/a	CH: 100 DHW: n/a	CH: 100 DHW: 300
Maximum Working Water Pressure (kPa)	CH: 265 DHW: n/a	CH: 265 DHW: n/a	CH: 265 DHW: 1000
Net Weight (KG)	27.1	46.5	48.5
<b>Dimensions:</b>			
Height (mm)	700	750	750
Width (mm)	400	440	440
Depth (mm)	330	360	360
<b>Domestic Warranty</b>			
Parts and Labour	1 year*	1 year*	1 year*
Heat exchanger (part only)	5 years	5 years	5 years

Please contact Bosch on 1300 30 70 37 to find a Bosch Hydronic Heating installer near you.



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# Bosch Condens 5000W Accessories

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Component	Part No.	Description	Component	Part No.	Description	Component	Part No.	Description
<b>Flue components 60/100mm</b>			<b>Flue components 80/125mm</b>			<b>DT Programmers and wireless room thermostats</b>		
	7716191082	60/100mm standard telescopic flue terminal		7719003702	80/125mm horizontal flue kit		DT20 7719002984	Digital Twin Channel Programmer – plugs into boiler fascia
	7716191084	60/100mm 90° flue elbow		7719003664	80/125mm 90° flue elbow		DT10 RF digistat 7716192052	Wireless Twin channel 7 day controller
	7716191085	60/100mm 45° flue elbow pack – pack of 2		7719003665	80/125mm 45° degree elbow		DT20 RF 7716192054	Wireless Twin channel 24h controller
	7716191083	60/100mm 1,000mm flue extension		7719003666	80/125mm 1,000mm flue extension	<b>FX intelligent programmers and room thermostats</b>		
	7716191133	60/100mm short 220mm flue extension	<b>Plume Management 60/100mm</b>				FR10 7719003516	Intelligent Room Thermostat
<b>Vertical flue kits</b>				7716191086	60mm plume management kit		FR110 7719003534	Programmable Room Thermostat
	7719002430	60/100mm vertical flue terminal kit		7716191087	60mm plume management 1,000mm extension		FW100 7719003535	Weather compensation controller (incl outdoor sensor)
	7719002431	80/125mm vertical flue terminal kit		7716191088	60mm plume management 90° elbow	<b>Diverter Valves</b>		
<b>Outdoor installation</b>				7716191089	60mm plume management 45° pack (pack of 2)		7716192568	Diverter valve for 18 kW boiler
	BOC5000W	Outdoor casing: 1000 mm (h) x 500 mm (w) x 400 mm (d) (60/100mm horizontal telescopic flue kit, p/n: 7716191082, must be ordered separately)						

### Plumbing connections

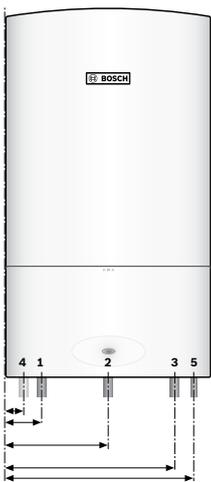


Figure 1  
18kW & 30 kW ZSB models



Figure 2  
37kW ZWS model

18 kW & 30 kW models #Function	From left case edge	Diameter of pipe connections
1 CH Flow	70mm	3/4 BSP
2 Gas	200mm	3/4 BSP
3 CH Return	330mm	3/4 BSP
4 Condensate	35mm	22mm
5 Pressure relief valve	367mm	1/2 BSP

Key to figure 1

37kW model #Function	From left case edge	Diameter of pipe connections
1 CH Flow	70mm	3/4 BSP
2 Gas	200mm	3/4 BSP
3 CH Return	330mm	3/4 BSP
4 Condensate	35mm	22mm
5 Pressure relief valve	367mm	1/2 BSP
6 DHW Outlet	135mm	1/2 BSP
7 Cold Water Inlet	265mm	1/2 BSP

Key to figure 2

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