

TECHNICAL DATA SHEET

TECHNICAL DATA SHEET COM111 (03/2022)



BOSCH

Invented for life

Condens 7000 WP Condensing Boiler:

Condens 7000 WP – 125	26.2 – 124.4 kW	@50/30
Condens 7000 WP – 145	26.2 – 143.1 kW	@50/30



- ▶ 125 & 145 kW wall hung condensing boiler, also available in outputs of 50, 65, 85 or 100kW
- ▶ Option to cascade in banks of up to 6 boilers with TL & TR frame kits
- ▶ Easy to install, 97kg lift weight and compact boiler dimensions (H) 1120mm x (W) 520mm x (D) 587mm
- ▶ Condensing technology with easy servicing
- ▶ Patented ALU-PLUS® heat exchanger with plasmapolymised surface
- ▶ 5-year parts and labour guarantee for the boiler
- ▶ All parts can be serviced from the front
- ▶ Energy Management System (EMS) controls
- ▶ Modulation down to 26.2 kW

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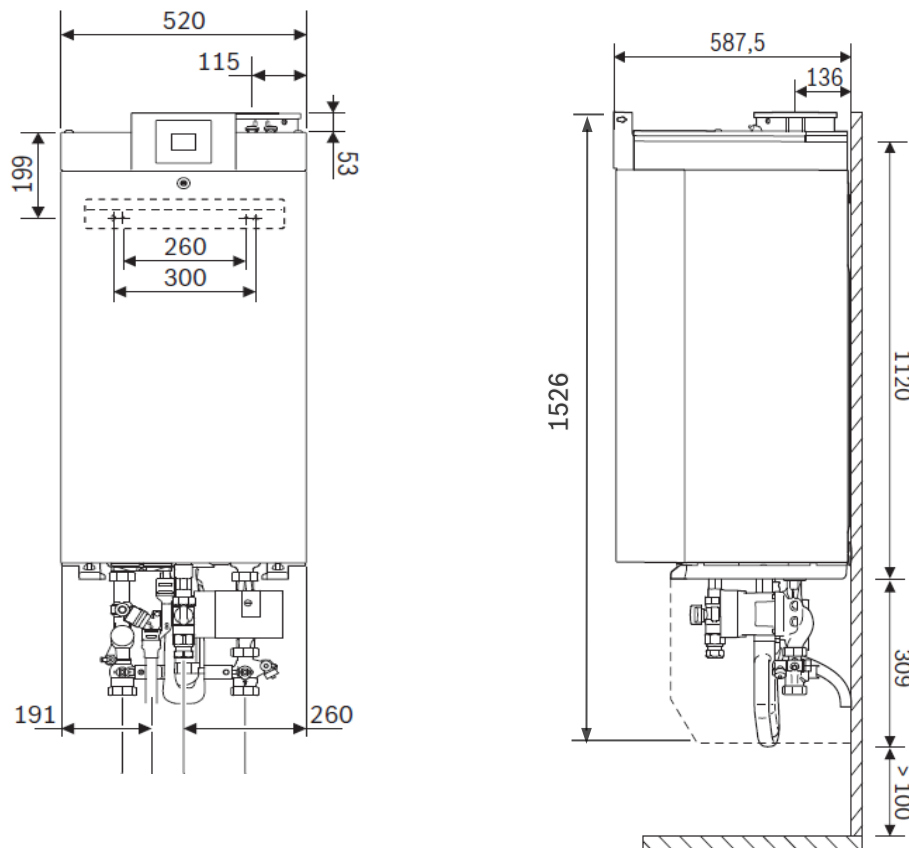
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Condens 7000 WP Dimensions:



The drawing shows the pump group attached to the boiler, this is available as an accessory. Each pump group contains a modulating pump, flow, return and gas isolation valves, a pressure gauge, a 4bar PRV and a connection for an appropriately sized expansion vessel.

Condens 7000 WP	Unit	125 kW	145 kW
Dimensions without Pump Group (HxWxD)	mm	1120 x 520 x 587	
Dimensions with Pump Group (HxWxD)	mm	1526 x 520 x 587	
Weight (without a Pump Group)	kg	97	
Boiler Flow and Return Connections	inch	G1½' Female Union	
Condensate Drain	mm	Ø 24	
Gas Connection	inch	G1 Male	
Ø Flue Gas System, Room-Air Dependent	mm	Ø 110	
Ø Flue Gas System, Room-Air Independent	mm	Standard Ø 110/160 Concentric	

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Condens 7000 WP Technical Specification:

Condens 7000 WP		Unit	125 kW	145 kW
Nominal Heat Output @ 80/60 °C		kW	24.1 - 116.9	24.1 - 138.8
Nominal Heat Output @ 50/30 °C		kW	26.2 - 124.4	26.2 - 143.1
Rated Heat Input		kW	24.5 - 118.1	24.5 - 140.1
Net Efficiency (Partial load 30% in accordance with EN15502)		%	109.3	109.6
Seasonal Efficiency (as L2B)		%	96.7	97
ErP Class and Seasonal Efficiency		%	N/A	N/A
Standby Loss (in accordance with EN15502)		%	0.12	0.15
Maximum Working Pressure		bar	6 *	
Maximum Flow Temperature		°C	85	
Maximum Flow Rate @ ΔT=20k		l/h	7000	
Required Flow Rate @ ΔT=20k		l/h	5300	6300
Resistance @ Required Flow Rate		mbar	312	430
Maximum Condensate Rate		l/h	13.5	16
Noise Level @ 1m	Full load	dB(A)	65	69
Fuel Type			Natural Gas H (G20) – LPG (G31)	
Gas Category according to EN 437			GB/IE II2H,3P 20;37mbar	
Gas Pressure – Min/Max		mbar	Natural Gas 17/25 – LPG 25/45	
Gas Rating – Natural Gas (G20)		m³/h	12.63	15.14
Gas Rating – LPG (G31)		m³/h	4.86	5.83
CO2 Content – NG (G20)	Full load	%	8.8	8.7
	Part load	%	8.3	8.3
CO Emission G20	Full load	ppm	76	85
NOx Emission G20 @ Full Load (in accordance with EN15502)		mg/kWh	35	38
Residual Head of Fan		Pa	145	200
Flue Gas Mass Flow Rate	Full load	g/s	56.3	67.5
Flue Gas Temperature @ 80/60 °C	Part load	°C	56	56
	Full load	°C	67	71
Flue Gas Temperature @ 50/30 °C	Full load	°C	50	53
Flue Type			B23, B53, C13, C33, C43, C53, C63, C83, C93	
Mains Connection Voltage / Phase		V	230 / Single Phase	
Current Supply Rating			230 VAC, 50 Hz, 130 Watts	
Electrical Ingress Protection			IPX0D	
Electrical Power Consumption (without Pump Group)	Standby		2	2
	Part load	W	15	15
	Full load	W	145	243

* 4 bar safety valve with pump group as standard, optional 6 bar safety valve as additional extra.

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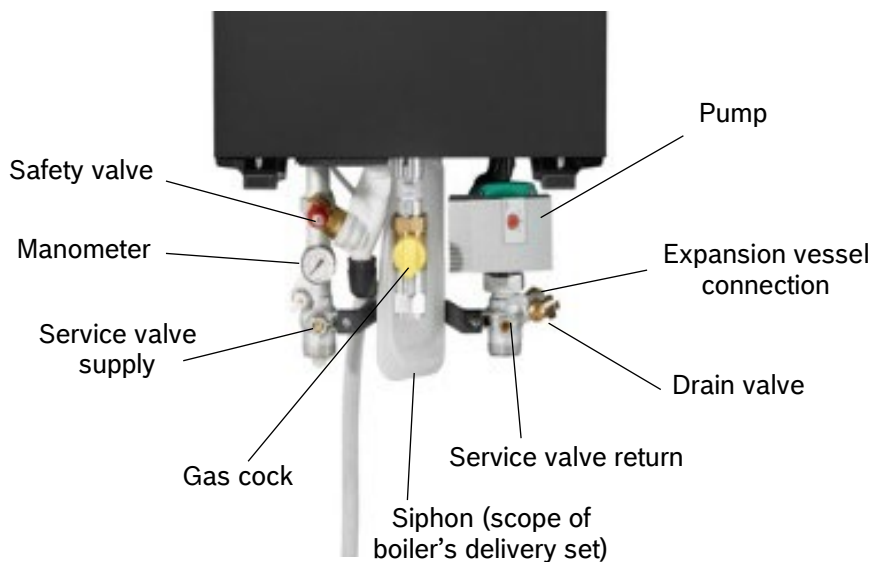


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Pump Group Overview:

125 & 145 kW Pump Group



Condens 7000 WP	Unit	125 kW	145 kW
Pump Group Flow Connection	Inch	G1 ½ Male	
Pump Group Return Connection	Inch	G1 ½ Male	
Pump Group Gas Connection	Inch	G1 Female	
Electrical power consumption Wilo-Stratos Para 25-1/12, min. / max.	W	12 / 300	12 / 300

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