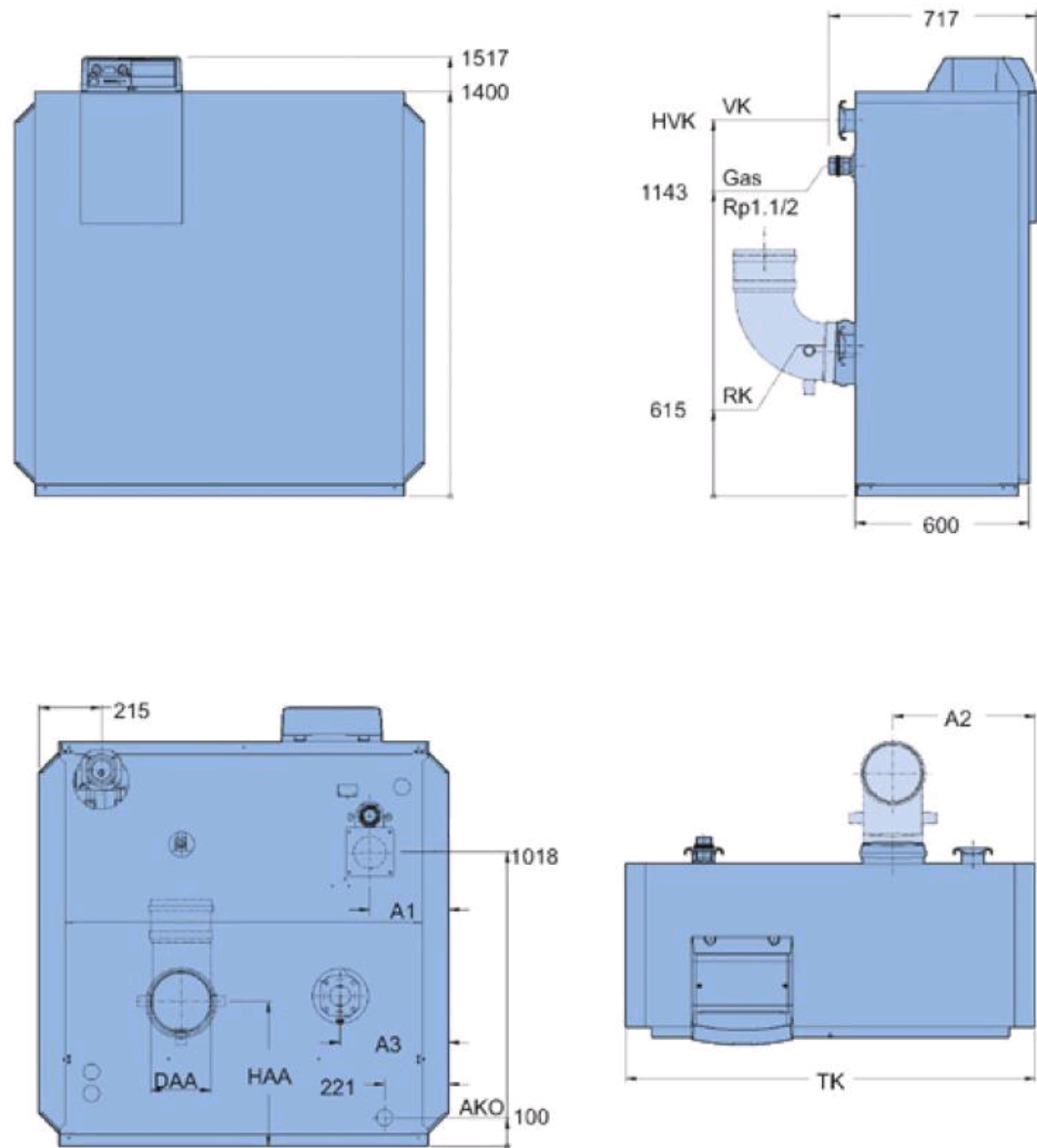


[GB 312 120kW]

Dimensions



Parameter	Value
Height max incl. controls	1532mm
Width,TK	994mm
Width for access	612mm
Depth	625mm
Net weight	205kg
Flue gas connection, ◆ DAA (internal)	160DN
Flue gas connection, HAA	470mm
Flue gas connection, A2	332mm
Boiler flow connection, ◆ VK	Rp2
Boiler flow connection, HVK	1308mm
Boiler flow connection	215mm
Boiler return connection, ◆ RK	Rp2
Boiler return connection, HRK	615mm
Boiler return connection, A3	270mm
Safety valve, ◆ ST	Rp1mm
Air sealed, ◆ RLU	110DN
Air sealed, HRLU	1029mm
Air sealed, A1	373mm
Gas connection, ◆ GAS	R1◆
Gas connection, Hgas	1143mm
Gas connection, Δ1	260mm

Gas connection, H <sub>2</sub>	200mm
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Technical Parameters

Parameter	Value
Output	120kW
Nominal heat output at 80/60 $\blacklozenge$ C, Full load	113kW
Nominal heat output at 80/60 $\blacklozenge$ C, Part load	33kW
Nominal heat output at 50/30 $\blacklozenge$ C, Full load	120kW
Nominal heat output at 50/30 $\blacklozenge$ C, Part load	37kW
Rated heat input, Part load	34kW
Rated heat input, Full load	116kW
Max working pressure	4bar
Max flow temperature	80 $\blacklozenge$ C
Electrical power consumption, full load	150W
Electrical power consumption, part load	40W
Gas pressure	17-24 mbar
Water content	16l
Electrical ingress protection	IP 40
CE certification, product ID no.	CE 0085BP5508
Pressure at flue outlet	100Pa
Water flow resistance, $\Delta$ T 20K	91mbar
Safety temperature letter	100 $\blacklozenge$ C
Electrical connection	230V <sub>AC</sub> 50Hz
Efficiency (NCV)	108%
Flue gas temperature at 50/30 $\blacklozenge$ C, Full load	56 $\blacklozenge$ C
Flue gas temperature at 50/30 $\blacklozenge$ C, Part load	33 $\blacklozenge$ C
Flue gas temperature at 80/60 $\blacklozenge$ C, Full load	78 $\blacklozenge$ C
Flue gas temperature at 80/60 $\blacklozenge$ C, Part load	57 $\blacklozenge$ C
Flue gas mass flow rate at 50/30 $\blacklozenge$ C, Full load	53.8g/s
Flue gas mass flow rate at 50/30 $\blacklozenge$ C, Part load	15.1g/s
Flue gas mass flow rate at 80/60 $\blacklozenge$ C, Full load	53.9g/s
Flue gas mass flow rate at 80/60 $\blacklozenge$ C, Part load	15.7g/s
CO <sub>2</sub> content, Full load	9.1%
CO <sub>2</sub> content, Part load	9.3%
Sound emission level, Full load	55dB(A)
Sound emission level, Part load	40dB(A)