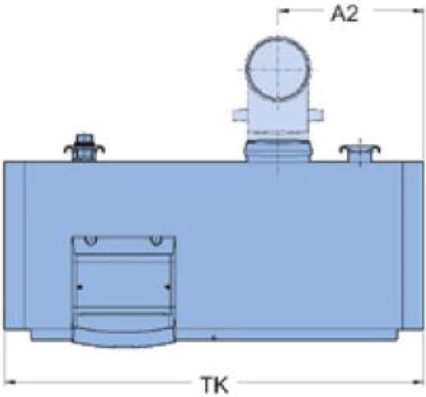
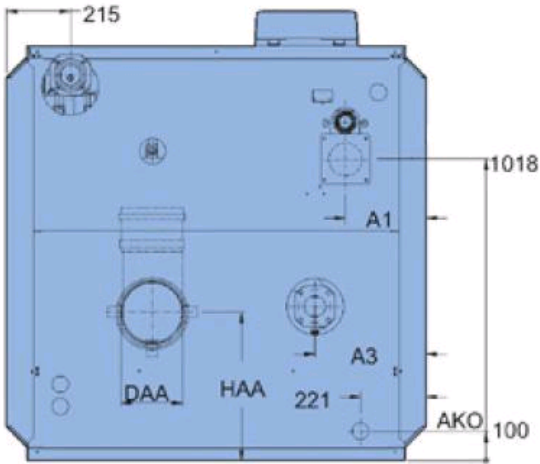
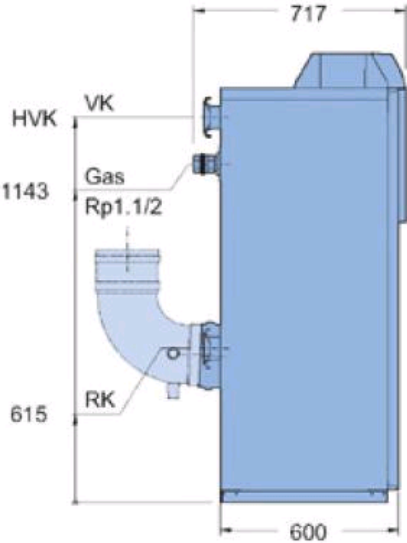
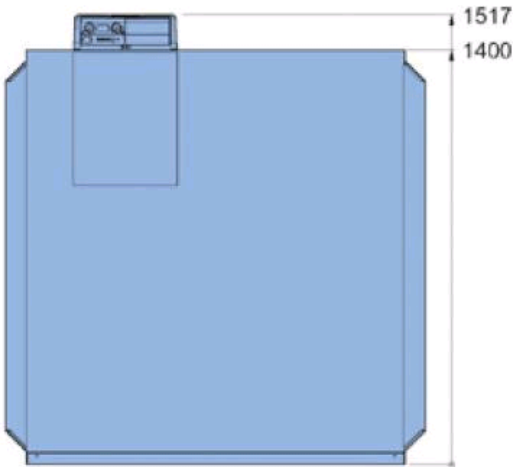


[GB 312 280kW]

Dimensions



Parameter	Value
Height max incl. controls	1532mm
Width, T <sub>K</sub>	1410mm
Width for access	612mm
Depth	625mm
Net weight	330kg
Flue gas connection, ♦ D <sub>AA</sub> (internal)	200DN
Flue gas connection, H <sub>AA</sub>	495mm
Flue gas connection, A <sub>2</sub>	540mm
Boiler flow connection, ♦ VK	DN 65
Boiler flow connection, H <sub>VK</sub>	1300mm
Boiler flow connection	215mm
Boiler return connection, ♦ RK	DN 65
Boiler return connection, H <sub>RK</sub>	615mm
Boiler return connection, A <sub>3</sub>	270mm
Safety valve, ♦ ST	Rp1♦mm
Air sealed, ♦ RLU	110DN
Air sealed, H <sub>RLU</sub>	1029mm
Air sealed, A <sub>1</sub>	373mm
Gas connection, ♦ GAS	R1♦
Gas connection, H <sub>GAS</sub>	1143mm

Gas connection, A <sub>1</sub>	269mm
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### Technical Parameters

Parameter	Value
Output	280kW
Nominal heat output at 80/60 $\blacklozenge$ C, Full load	263kW
Nominal heat output at 80/60 $\blacklozenge$ C, Part load	77kW
Nominal heat output at 50/30 $\blacklozenge$ C, Full load	280kW
Nominal heat output at 50/30 $\blacklozenge$ C, Part load	87kW
Rated heat input, Part load	80kW
Rated heat input, Full load	271kW
Max working pressure	4bar
Max flow temperature	80 $\blacklozenge$ C
Electrical power consumption, full load	330W
Electrical power consumption, part load	50W
Gas pressure	17-24 mbar
Water content	30l
Electrical ingress protection	IP 40
CE certification, product ID no.	CE 0085BP5508
Pressure at flue outlet	100Pa
Water flow resistance, $\Delta$ T 20K	95mbar
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	58 $\blacklozenge$ C
Flue gas mass flow rate at 50/30 $\blacklozenge$ C, Full load	125.9g/s
Flue gas mass flow rate at 50/30 $\blacklozenge$ C, Part load	35.2g/s
Flue gas mass flow rate at 80/60 $\blacklozenge$ C, Full load	125.7g/s
Flue gas mass flow rate at 80/60 $\blacklozenge$ C, Part load	37.5g/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)