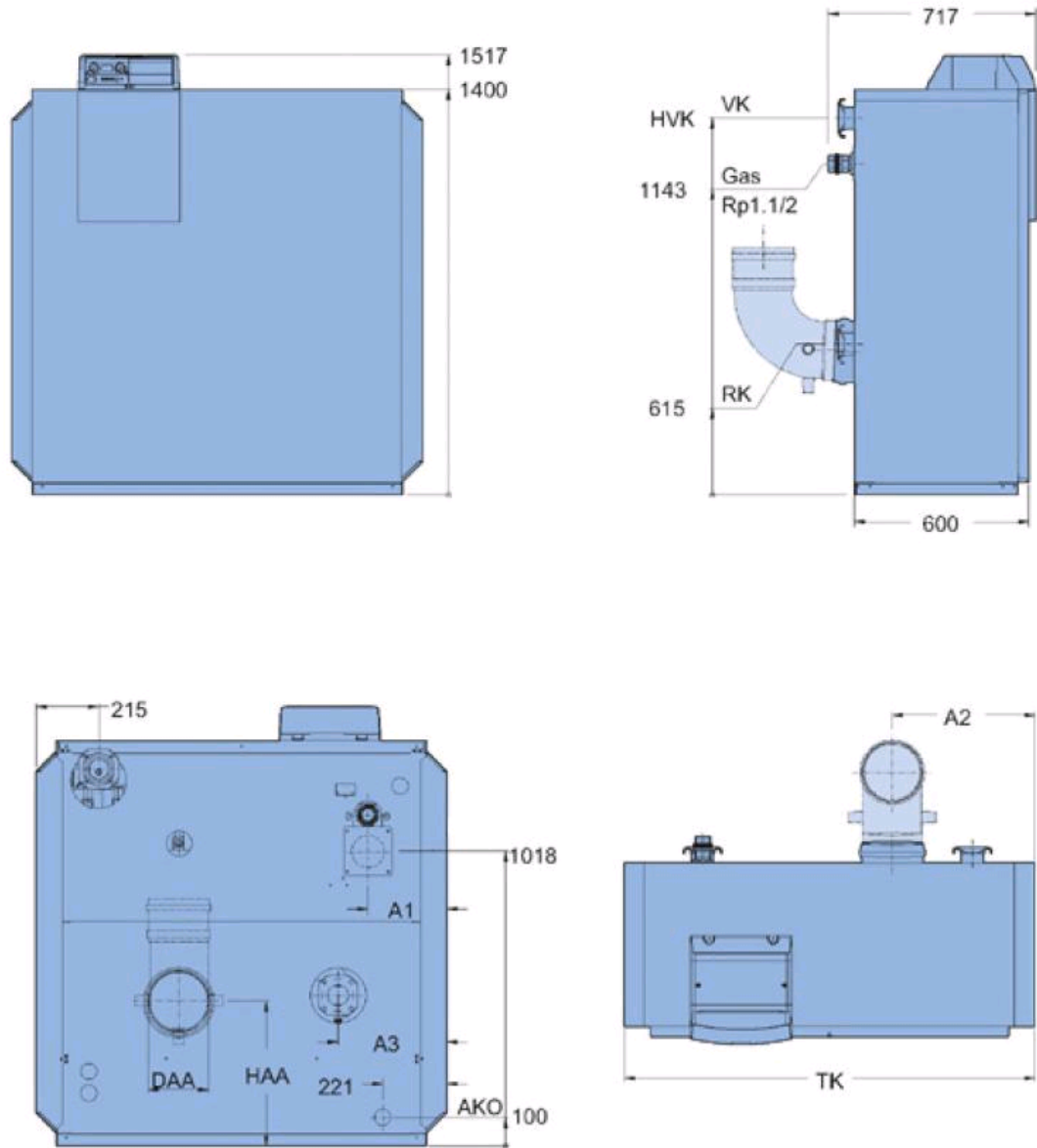


[GB 312 90kW]

Dimensions



Parameter	Value
Height max incl. controls	1532mm
Width, T _K	994mm
Width for access	612mm
Depth	625mm
Net weight	205kg
Flue gas connection, ♦ D _{AA} (internal)	160DN
Flue gas connection, H _{AA}	470mm
Flue gas connection, A ₂	332mm
Boiler flow connection, ♦ VK	Rp2
Boiler flow connection, H _{VK}	1308mm
Boiler flow connection	215mm
Boiler return connection, ♦ RK	Rp2
Boiler return connection, H _{RK}	615mm
Boiler return connection, A ₃	270mm
Safety valve, ♦ ST	Rp1mm
Air sealed, ♦ RLU	110DN
Air sealed, H _{RLU}	1029mm
Air sealed, A ₁	373mm
Gas connection, ♦ GAS	R1♦
Gas connection, H _{GAS}	1143mm

Gas connection, A ₁	269mm
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Technical Parameters

Parameter	Value
Output	90kW
Nominal heat output at 80/60 \blacklozenge C, Full load	84kW
Nominal heat output at 80/60 \blacklozenge C, Part load	33kW
Nominal heat output at 50/30 \blacklozenge C, Full load	90kW
Nominal heat output at 50/30 \blacklozenge C, Part load	37kW
Rated heat input, Part load	34kW
Rated heat input, Full load	87kW
Max working pressure	4bar
Max flow temperature	80 \blacklozenge C
Electrical power consumption, full load	84W
Electrical power consumption, part load	40W
Gas pressure	17 - 24mbar
Water content	16l
Electrical ingress protection	IP 40
CE certification, product ID no.	CE 0085BP5508
Pressure at flue outlet	100Pa
Water flow resistance, Δ T 20K	65mbar
Safety temperature letter	100 \blacklozenge C
Electrical connection	230V _{AC} 50Hz
Efficiency (NCV)	108%
Flue gas temperature at 50/30 \blacklozenge C, Full load	50 \blacklozenge C
Flue gas temperature at 50/30 \blacklozenge C, Part load	34 \blacklozenge C
Flue gas temperature at 80/60 \blacklozenge C, Full load	70 \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	38.2g/s
Flue gas mass flow rate at 50/30 \blacklozenge C, Part load	13.6g/s
Flue gas mass flow rate at 80/60 \blacklozenge C, Full load	38.9g/s
Flue gas mass flow rate at 80/60 \blacklozenge C, Part load	14.5g/s
CO ₂ content, Full load	9.1%
CO ₂ content, Part load	9.3%
Sound emission level, Full load	55dB(A)
Sound emission level, Part load	40dB(A)