HeatMaster 45 Evo 2

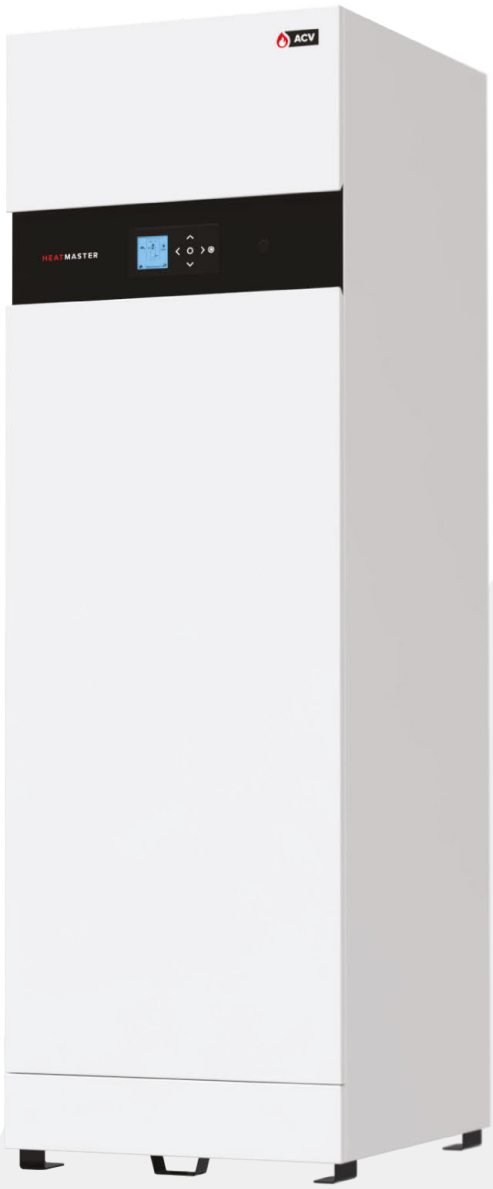
Commercial combi boiler

Peak 1st hour: 894 l/h. Continuous flow 820 l/h (at 60°C)

Tank-in-tank heat exchange technology

ErP class A

Exceeds all current legislation requirements



Up to 45kW of heating load

Internal time clock

5

5 year warranty*

kiwa CERTIFIED KUKreg4 ATS 3

A XXL

CE

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*Terms and conditions apply visit acv.com/gb for more information

HeatMaster 45 Evo 2
Technical data & dimensions

Performance

Maximum heat input NCV (GCV)	kW	45.6 (50.6)
Minimum heat input	kW	9
Maximum output (80/60)	kW	44.1
Maximum output (50/30)	kW	46.8
Efficiency at 100% load (80/60)	%	98
Efficiency at 100% load (50/30)	%	103.9
Efficiency at 30% load (EN 15502-1) nett	%	109
Seasonal Efficiency Part L (Heating)	%	98.1

ErP

Water heating efficiency class	-	A
Space heating energy efficiency class	-	A
Seasonal space heating efficiency (ErP)	%	93
Seasonal water heating efficiency (ErP)	%	93.1
Standby loss DT 30K	W	79
Standby loss DT 45K	W	124
Declared load profile	-	XXL
Sound power level indoors LWA (BSEN15036-1)	dB	59

Combustion

Gas Inlet Pressure (NG)	mbar	18-23
Gas flow rate (max output)	m3/h	4.67
Nox class (EN15502)	-	6
Nox weighted (GCV) (EN15502)	mg/kWh	33.2

Flue

Flue connection	-	80/125
Max allowed flue pressure drop	Pa	130

Hydraulic

Water pressure drop boiler at 20°C ΔT	mbar	10
Primary flow rate at 20°C ΔT	l/h	1900
Primary flow rate at 20°C ΔT	l/s	0.53

Electrical

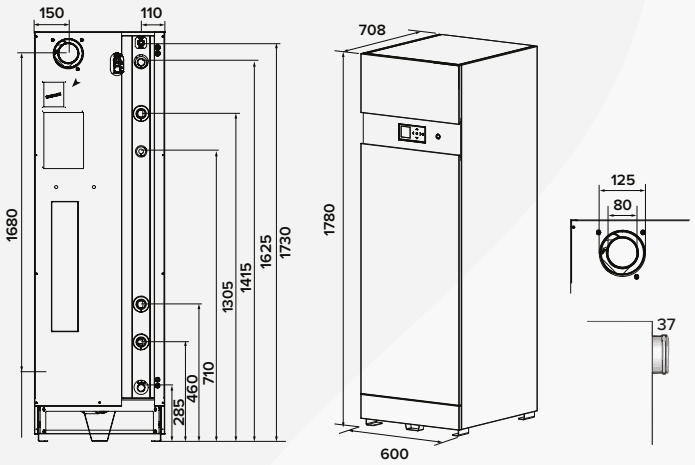
Voltage	V	230
Fuse Rating	A	16
Electrical power consumption Max	W	126
Electrical power consumption Standby	W	3

General

Storage capacity (total)	L	196
Storage capacity (domestic hot water)	L	96
Connection - heating	-	1" F
Connection - DHW	-	1" M
Connection - gas	-	3/4" M
Max operating temperature (primary)	°C	87
Max operating temperature (DHW)	°C	75
Max service pressure heating (primary)	bar	3
Max service pressure (DHW)	bar	8.6
Weight (empty)	kg	177
Weight full	kg	373

DHW Performance - Primary Temperature - 80°C

Peak 10 min flow @ 40°C (30°C ΔT)	L/10'	451
Peak 1st hour flow @ 40°C (30°C ΔT)	L/60'	1610
Continuous flow @ 40°C (30°C ΔT)	L/h	1390
Peak 10 min flow @ 45°C (35°C ΔT)	L/10'	373
Peak 1st hour flow @ 45°C (35°C ΔT)	L/60'	1366
Continuous flow @ 45°C (35°C ΔT)	L/h	1192
Peak 10 min flow @ 60°C (50°C ΔT)	L/10'	224
Peak 1st hour flow @ 60°C (50°C ΔT)	L/60'	894
Continuous flow @ 60°C (50°C ΔT)	L/h	820
Heat up time time (Primary: 10-80°C)	mins	23



All dimensions in mm.

Minimum Clearances			
Top	**Left side**	**Right side**	**Rear**
300mm	600mm	250mm	400mm

This data assumes an incoming mains water temperature of 10°C. *In line with the recommendations specified in UK Building Regulations (2016) Part G, ACV UK Ltd advise the installation of a suitable domestic hot water thermostatic mixing valve on the hot flow immediately after the appliance.

Please contact ACV UK for details of flow rates and pressure drops at other system differentials.

Every effort has been taken to ensure the details are accurate. ACV UK Limited does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. ACV UK Limited reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.