



# Introducing the Baxi Duo-tec Combi HE A

## Warmth, efficiency and total peace of mind

When you buy a new boiler, we understand that it is a considerable investment. That's why we want to make sure you have a reliable boiler that will generate efficient heat and hot water for years to come.



### Why choose a combi boiler?

There's no feeling quite like coming home on a cold day knowing it's going to be warm and cosy indoors. Or turning on the hot tap to be rewarded with an endless supply of hot water.

Combi boilers provide central heating and give you plenty of hot water when you turn on the hot tap. This means they're economical to run, as hot water is only produced when you need it. What's more, there's no need for a tank in the loft or a hot water storage cylinder, perfect if space is at a premium.

Installing a new Baxi boiler doesn't have to be daunting. Quite the opposite, in fact, if you're used to living with a boiler that's over 10 years old, you'll be amazed at the savings you can make by replacing it with a new one. Even if your boiler is still working well, replacing it could make perfect sense. A fully functioning, regularly serviced boiler that's 10 years old could cost around £300\* more in annual heating bills than a new model.

### Why choose Baxi?

A firm favourite with homeowners and installers alike, Baxi is one of Europe's largest and longest-established boiler manufacturers. We've had experience in the heating industry since 1866 - so we know a thing or two about quality heating. We're very proud of our long heritage of quality and innovation and that we continue to manufacture here in the UK.

Baxi boilers carry the Energy Saving Trust Recommended logo. They have been designed to operate at maximum efficiency throughout their lifetime, giving you a lifetime of reliability and cost savings and benefits the environment through reduced carbon emissions.



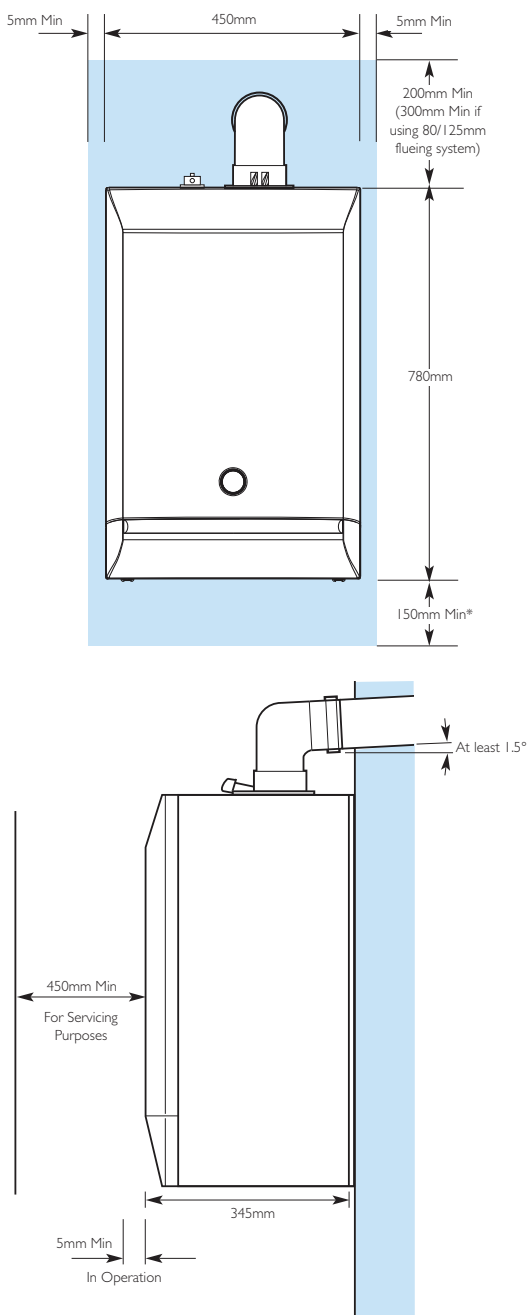
Baxi Duo-tec Combi HE A

\* This estimated saving is based on changing from a older G (<70%) rated boiler, and replacing this with a new A-rated condensing boiler. Source: Energy Saving Trust. [www.est.org.uk](http://www.est.org.uk)

\* Seven year parts and labour warranty applies to the Baxi Duo-tec HE A only for boilers purchased and registered between 1st February 2013 and 31st December 2013. Offer does not apply to the Baxi Duo-tec GA. Registration must be completed within 30 days of installation. The warranty is subject to registration by the installer at [www.baxi.co.uk/warranty](http://www.baxi.co.uk/warranty) and completion of an annual service. Additionally, the Benchmark log book needs to have been completed correctly on installation. The warranty is available for all one-off installers. This offer excludes contract sales and any contract supported sales. Please see [www.baxi.co.uk/warranty](http://www.baxi.co.uk/warranty) for full details. Errors and omissions excepted.



## Technical specifications



\* This is the MINIMUM recommended dimension. Greater clearance will aid installation and maintenance.

### Baxi Duo-tec Combi HE A Series: Wall mounted high efficiency combination boilers

		24 HE A	28 HE A	33 HE A	40 HE A
Sales code		5118060	5118646	5118062	5121342
<b>CONTROLS</b>					
Concealed User Controls	Yes	Yes	Yes	Yes	Yes
On/Off Switch with Reset	Yes	Yes	Yes	Yes	Yes
User Adjustable DHW Temperature	Yes	Yes	Yes	Yes	Yes
User Adjustable CH Temperature	Yes	Yes	Yes	Yes	Yes
LED Temp/Status/Fault Diagnosis Display	2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs
<b>GAS</b>					
Gas Supply Pipe Size	mm	22	22	22	22
Natural Gas	Yes	Yes	Yes	Yes	Yes
Nominal Inlet Supply Pressure NG	mbar	20	20	20	20
Maximum Gas Rate NG	m <sup>3</sup> /hr / kg/hr	2.61	3.10	3.59	4.36
Heat Input Central Heating	kW Max Gross	22.7	27.4	32.1	36.4
	kW Max Net	20.5	24.7	28.9	32.8
	kW Min Gross	7.8	10.0	10.8	11
Heat Output CH Non Condensing (70° Mean)	kW Max	20	24	28	32
	kW Min	6.8	8.7	9.4	9.6
	kW Min Net	7	9	9.7	9.9
Heat Output CH Condensing (40° Mean)	kW Max	21	25.9	30.3	34.4
	kW Min	7.4	9.5	10.2	12.1
Heat Input Domestic Hot Water	kW Max Gross	27.4	32.1	37.7	45.7
	kW Max Net	24.7	28.9	34	41.2
Heat Output Domestic Hot Water	kW Max	24	28	33	40
Maximum Domestic Hot Water Flow Rate	l/min @ 35°C Rise	9.8	11.5	13.5	16.4
Seasonal Efficiency NG	%	91.1	91.1	91.1	91.1
SEDBUK Rating	Band	A	A	A	A
NO <sub>x</sub> Class		5	5	5	5
NO <sub>x</sub> Levels	mg / kWhr	22.3	26.0	21.8	25.2
<b>ELECTRICAL</b>					
Electrical Supply	Volts/Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Permanent Live Required	Yes	Yes	Yes	Yes	Yes
Fitted Electrical Cable		1m x 3 core x 0.75mm <sup>2</sup>			
Power Consumption	Watts	155	155	160	160
External Fuse Rating	Amps	3	3	3	3
Internal Fuse Rating	Amps	F2L	F2L	F2L	F2L
Ingress Protection Rating (without electro-mechanical timer fitted)		IPX 5D	IPX 5D	IPX 5D	IPX 5D
24 hour Pump Exercise	Yes	Yes	Yes	Yes	Yes
Pump Overrun	Yes	Yes	Yes	Yes	Yes
Integral 'Boiler Only' Frost Thermostat	Yes	Yes	Yes	Yes	Yes
<b>MECHANICAL &amp; HYDRAULIC</b>					
Compartment Ventilation Requirement		None	None	None	None
Pre-plumbing/Wall Mounting Jig	Yes	Yes	Yes	Yes	Yes
Flow & Return Pipe Size	mm	22	22	22	22
Condensate Discharge Pipe Size	mm	21.5	21.5	21.5	21.5
Integral Automatic Bypass	Yes	Yes	Yes	Yes	Yes
Min Domestic Hot Water Flow Rate	l/min	2	2	2	2
Min Domestic Hot Water Operating Pressure	bar	0.15	0.15	0.15	0.15
Maximum DHW System Pressure	bar	8	8	8	8
Safety Discharge Pressure	bar	3	3	3	3
Integral Expansion Vessel Capacity	litres	8	8	10	10
Max Capacity of Central Heating System	litres	125	125	155	155
Filling Loop included	Yes	Yes	Yes	Yes	Yes
CH System Inhibitor Required	Yes	Yes	Yes	Yes	Yes
<b>CONCENTRIC FLUE SYSTEM</b>					
Standard Telescopic Horizontal Flue Kit Length	mm	315 - 500			
Max Equiv Length Horizontal/Vertical (60/100mm)	m	10	10	10	10
Max Equiv Length Horizontal/Vertical (80/125mm)	m	20	20	20	20
Equivalent Length per 135° Bend	m	0.5	0.5	0.5	0.5
Equivalent Length per 93° Bend	m	1	1	1	1
<b>TWIN PIPE FLUE SYSTEM</b>					
Diameters	mm	80/80	80/80	80/80	80/80
Max Equiv Length Horizontal/Vertical (parallel pipes)	m	15/15	15/15	15/15	15/15
Equivalent Length per 135° Bend	m	0.25	0.25	0.25	0.25
Equivalent Length per 91.5° Bend	m	0.5	0.5	0.5	0.5
<b>WEIGHTS</b>					
Max Installation Lift Weight	kg	43.6	44.2	46	46
Gross Packaged Boiler Weight	kg	48.6	49.2	51	51