

## Contact us

For all enquiries, please call  
**0844 871 1525**

Email: [info@baxi.co.uk](mailto:info@baxi.co.uk)  
Visit: [www.baxi.co.uk](http://www.baxi.co.uk)

Open Monday - Friday, 8am - 6pm  
Saturdays & Bank Holidays, 8.30am - 2pm  
We are closed on Christmas Day & New Year's Day

Please note calls may be monitored or recorded

**BAXI**

# BAXI

Pocket Technical Guide

## Pocket Technical Guide

# BAXI

PART OF BDR THERMEA

Baxi, Brooks House, Coventry Road, Warwick CV34 4LL  
[www.baxi.co.uk](http://www.baxi.co.uk)



This Brochure is printed on paper sourced from well managed forests and controlled sources. This Brochure is printed using vegetable based inks. Please recycle this Brochure when you have finished with it.

Baxi policy is one of continual improvement and development. The right to change specification and appearance without prior notice is reserved. The reproduction of colours is as accurate as photographic and printing processes allow. The consumer's statutory rights are not affected. e&oe



350621/10

Technical Helpline: 0844 871 1525



# Contents

## Introduction

History of Baxi	4
Innovative THINK technology	5
Overview of the range	6-7

## Useful information

Efficiency ratings	8
Sales order codes	9
Flue terminal positioning	10-13

## The Baxi range of boilers

Duo-tec Combi GA	14-21
Flue groups, technical specifications & control options	
Neta-tec Combi GA	22-29
Flue groups, technical specifications & control options	
Megaflo System Compact GA	30-37
Flue groups, technical specifications & control options	
Baxi Solo HE A	38-43
Flue groups & control options	

## Accessories

Accessories and controls	44-50
--------------------------	-------

## Low zero carbon technologies

LZC overview	51
Baxi Solarflo	52-57
Features and benefits	

## Our support for you

Baxi training	58
heateam and aftersales support	59
works business support scheme	60
Literature	61

## Additional information

Conversion tables	62-63
Gas rating charts	64-66
Useful contacts	67-68

## The brand that stands for quality and innovation

A firm favourite with homeowners and installers alike, Baxi is one of Europe's largest and longest-established boiler manufacturers. We have over 150 years of engineering experience – so we know a thing or two about how to do it right. We're very proud not only of our long heritage of quality and innovation, but also that we continue to manufacture here in the UK.

We strive for perfection and always listen to customer feedback, resulting in boilers like the Baxi Duo-tec Combi GA that set new standards in efficiency and reliability.

As for reliability, you can take it for granted with Baxi boilers. They're designed to operate at maximum efficiency throughout their lifetime, and tested rigorously for your peace of mind.

All Baxi boilers are Energy Saving Trust recommended products to give your customer added peace of mind.

Made in the UK



## Innovative THINK technology – the heart of every Baxi GA boiler

Our world-beating technical innovation is focused on delivering years of reliable and economical service and the maximum environmental benefit.

Take our pioneering THINK technology, for example, found at the heart of every boiler in the Baxi GA range. THINK is designed to deliver smooth, reliable and cost effective performance by continuously monitoring and adjusting the boiler's output to maximise burner efficiency. Gas consumption is lower, component wear and tear reduced and reliability increased.

A wide modulation range means that Baxi GA boilers maintain even temperatures without repeatedly switching on and off. Once the home reaches the desired temperature, the boiler simply adapts its output to maintain that temperature more effectively. Less gas is used to re-ignite the boiler, reducing both fuel bills and carbon emissions. The figures speak for themselves:

### **8.7% more Efficient†**

A Baxi GA boiler is 8.7% more efficient than a standard Baxi high efficiency boiler

### **£71 saving per year\***

An additional saving of £71 per year\* can be achieved by having a Baxi GA boiler over a standard Baxi high efficiency boiler

### **9.2% less CO<sub>2</sub>†**

A boiler that reduces CO<sub>2</sub> by 9.2% and delivers a SAP benefit of up to 2.7%

† Baxi laboratory testing & analysis has shown these reductions when measured against a standard Baxi high efficiency boiler.

\* Based on average fuel consumption of a UK household as calculated in the British Gas Home Energy Report 2011, when measuring a Baxi Duo-tec 28 GA compared to a Baxi Duo-tec 28 HE A boiler



## Overview

An at a glance guide to our new boilers, the key features available with each model and their benefits to you and your customer

### Features and benefits

#### Gas Adaptive Technology

Automatic set-up for faster and easier installation

#### Wide modulation range

Reduces wear and tear, and gas usage

#### Front component access

For quicker and easier servicing

#### Two years parts and labour warranty\*

For peace of mind

#### Pre-plumbing jig

For faster and easier installation

#### Cupboard fit

For more flexible and discreet location

#### Low lift weight

For easier installation and transportation

#### Natural gas and LPG-ready

No conversion kit required

#### Multifit GasSaver compatible

Saves up to 37% of gas used to heat hot water and cold water consumption by up to 7%\*\*

#### User-friendly controls

Easy and intuitive, for greater heating and hot water comfort

#### Anti-cycling function/pump overrun

Protects against overheating and prevents boiler cycling

#### Boiler frost protection

Enables more flexibility of siting

#### Anti-sticking function

Extends life by preventing pump and combi 3-way valve sticking

#### Auto-system bypass

Protects against overheating without external bypass

#### Filling loop

For easier installation

\*Subject to registration and annual service

\*\*Compared with a SEDBUK (2005) >91% rated high efficiency boiler

†Excluding 32kW model



Baxi Duo-tec Combi GA	Baxi Neta-tec Combi GA	Baxi Megaflo System Compact GA	Baxi Solo HE A
✓	✓	✓	
1:7	1:5	1:7	1:3
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓		
	✓	✓†	✓
	✓	✓	✓
✓	✓	✓	
✓	✓	✓	
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	
✓	✓		

## Efficiency ratings chart 2005/2009

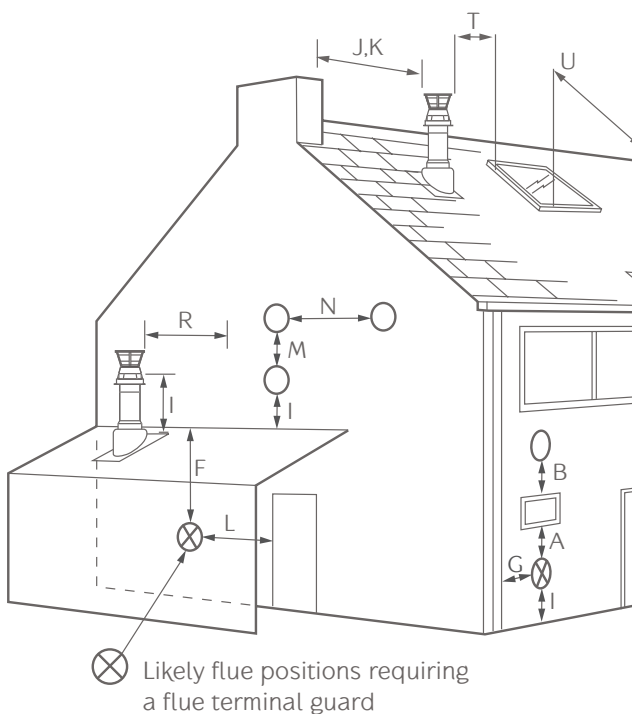
Product	SEDBUK 2005 (%)	SEDBUK 2009 (%)
<b>Baxi Duo-tec Combi GA</b>		
Baxi Duo-tec Combi 24 GA(NG/LPG)	91.1 / 93.2	88.9 / 91.0
Baxi Duo-tec Combi 28 GA(NG/LPG)	91.1 / 93.2	88.9 / 91.0
Baxi Duo-tec Combi 33 GA(NG/LPG)	91.1 / 93.2	89.0 / 90.9
Baxi Duo-tec Combi 40 GA(NG/LPG)	91.1 / 93.2	88.9 / 90.9
<b>Baxi Neta-tec Combi GA</b>		
Baxi Neta-tec Combi 24 GA(NG/LPG)	91.1 / 93.2	88.9 / 91.0
Baxi Neta-tec Combi 28 GA(NG/LPG)	91.1 / 93.2	88.9 / 91.0
Baxi Neta-tec Combi 33 GA(NG/LPG)	91.1 / 93.2	89.0 / 90.9
<b>Baxi Megaflò System Compact GA</b>		
Baxi Megaflò System Compact 12 GA(NG/LPG)	91.1 / 93.2	89.1 / 91.1
Baxi Megaflò System Compact 15 GA(NG/LPG)	91.1 / 93.2	89.0 / 91.0
Baxi Megaflò System Compact 18 GA(NG/LPG)	91.1 / 93.2	89.0 / 91.0
Baxi Megaflò System Compact 24 GA(NG/LPG)	91.1 / 93.2	89.0 / 91.0
Baxi Megaflò System Compact 28 GA(NG/LPG)	91.1 / 93.2	89.0 / 91.0
Baxi Megaflò System 32 GA(NG/LPG)	91.1 / 93.2	89.0 / 91.0
<b>Baxi Solo HE A</b>		
Baxi Solo HE A 12	90.5	88.7
Baxi Solo HE A 15	91.3	89.4
Baxi Solo HE A 18	90.4	88.7
Baxi Solo HE A 24	90.9	88.8
Baxi Solo HE A 30	90.9	88.8



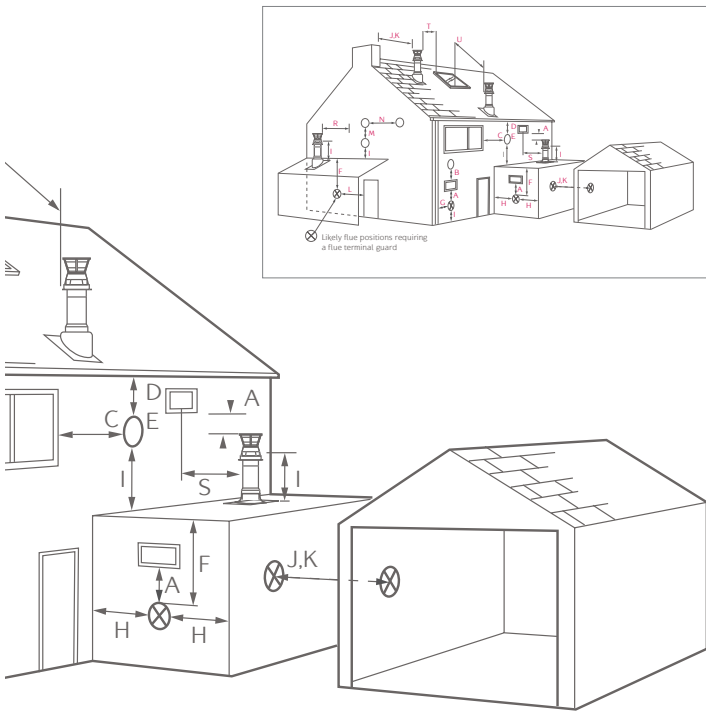
## Sales order codes

Product	Sales Order Code
<b>Baxi Duo-tec Combi GA</b>	
Baxi Duo-tec Combi 24 GA(NG/LPG)	720117801
Baxi Duo-tec Combi 28 GA(NG/LPG)	720118001
Baxi Duo-tec Combi 33 GA(NG/LPG)	720118201
Baxi Duo-tec Combi 40 GA(NG/LPG)	720118401
Baxi Duo-tec Combi GA Standard Flue	720598701
<b>Baxi Neta-tec Combi GA</b>	
Baxi Neta-tec Combi 24 GA(NG/LPG)	720023001
Baxi Neta-tec Combi 28 GA(NG/LPG)	720023101
Baxi Neta-tec Combi 33 GA(NG/LPG)	720023201
Baxi Neta-tec Combi 24 GA(NG/LPG) & Std Flue	720861201
Baxi Neta-tec Combi 28 GA(NG/LPG) & Std Flue	720861301
Baxi Neta-tec Combi 33 GA(NG/LPG) & Std Flue	720861401
Baxi Neta-tec Combi GA Standard Flue	720870201
<b>Baxi Megafluo System Compact GA</b>	
Baxi Megafluo System Compact 12 GA(NG/LPG)	720118501
Baxi Megafluo System Compact 15 GA(NG/LPG)	720118601
Baxi Megafluo System Compact 18 GA(NG/LPG)	720118701
Baxi Megafluo System Compact 24 GA(NG/LPG)	720118901
Baxi Megafluo System Compact 28 GA(NG/LPG)	720119101
Baxi Megafluo System 32 GA(NG/LPG)	720119201
Baxi Megafluo System GA Standard Flue	720598701
<b>Baxi Solo HE A</b>	
Baxi Solo HE A 12	5120295
Baxi Solo HE A 15	5117783
Baxi Solo HE A 18	5120296
Baxi Solo HE A 24	5117784
Baxi Solo HE A 30	5117785

## Flue options



Terminal Position with Minimum Distance		(mm)
A <sup>1</sup>	Directly below an opening, air brick, opening windows, etc	300
B <sup>1</sup>	Above an opening, air brick, opening window etc	300
C <sup>1</sup>	Horizontally to an opening, air brick, opening window etc	300
D <sup>2</sup>	Below gutters, soil pipes or drain pipes	25 (75)
E <sup>2</sup>	Below eaves	25 (200)
F <sup>2</sup>	Below balconies or car port roof	25 (200)
G <sup>2</sup>	From a vertical drain pipe or soil pipe	25 (150)
H <sup>2</sup>	From an internal or external corner	25 (300)
I	Above ground, roof or balcony level	300
J	From a surface or boundary line facing a terminal	600
K	From a terminal facing a terminal (Horizontal flue)	1200
K	From a terminal facing a terminal (Vertical flue)	600
L	From an opening in carport (e.g. door, window) into the dwelling	1200

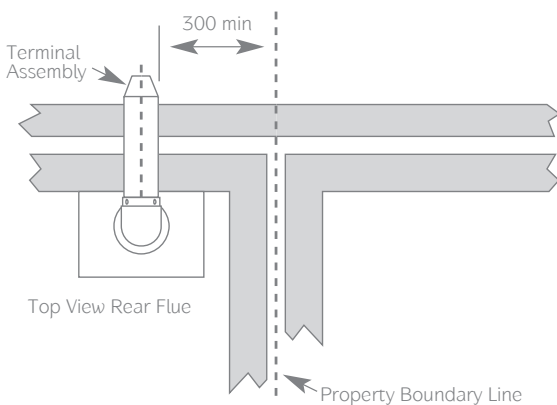


Terminal Position with Minimum Distance		(mm)
M	Vertically from a terminal on the same wall	1500
N	Horizontally from a terminal on the same wall	300
R	From adjacent wall to flue (vertical only)	300
S	From adjacent opening window (vertical only)	100
T	Adjacent to windows or openings on pitched and flat roofs	600
U	Below windows or openings on pitched roofs	2000

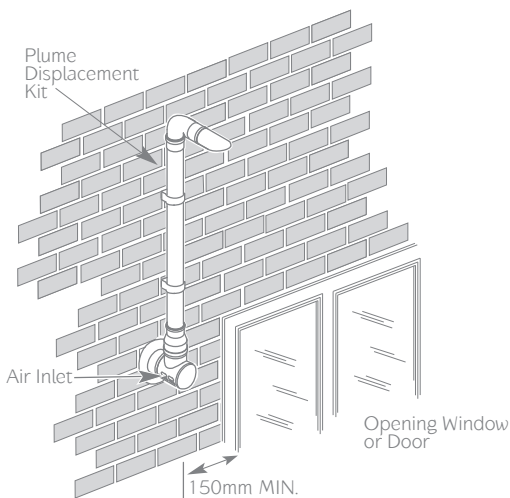
1. In addition, the terminal should be no nearer than 150mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.

2. Only ONE 25mm clearance is allowed per installation. If one of the dimensions D, E, F, G or H is 25mm then the remainder MUST be as shown in brackets, in accordance with B.S.5440-1.

## Flue options



NOTE: The distance from a fanned draught appliance terminal installed parallel to a boundary may not be less than 300mm, in accordance with the diagram above.

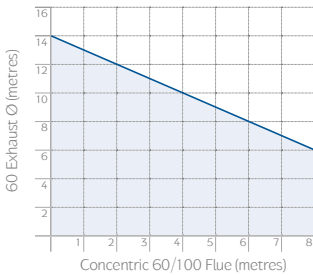


### IMPORTANT:

If fitting a Plume Displacement Flue Kit, the air inlet must be a minimum of 150mm from any opening windows or doors.

## Plume Displacement Kit permissible lengths

NOTE: If using a Plume Displacement Kit please refer to the shaded areas of the graphs below for maximum permissible PDK lengths.

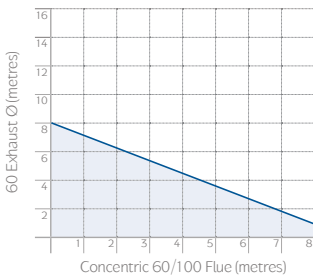


### Models

Baxi Duo-tec Combi 24 GA

Baxi Neta-tec Combi 24 GA

Baxi Megafluo System Compact GA 12, 15, 18 & 24

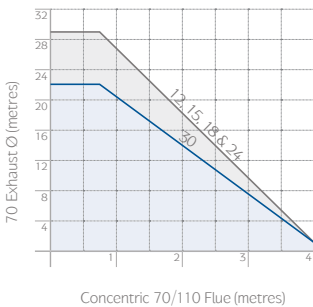


### Models

Baxi Duo-tec Combi GA 28, 33 & 40

Baxi Neta-tec Combi GA 28 & 33

Baxi Megafluo System GA 28 & 32



### Models

Baxi Solo HE A 12, 15, 18, 24 & 30

For technical enquiries e-mail [technical.help@bdrthermea.com](mailto:technical.help@bdrthermea.com) 13

# Baxi Duo-tec Combi GA



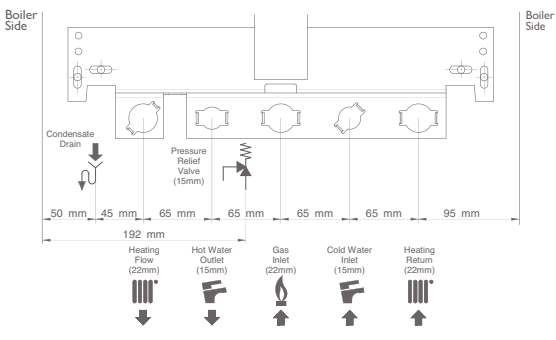
## Clearances

Above:	175mm	Below:	150mm**
Left:	5mm	Front	5mm (in operation)
Right:	5mm		450mm (for servicing)

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

	Max DHW Output (kW)	Flow Rate (l/m) @ 35° Max)	CH Output (kW)	Sales Code
Duo-tec Combi 24 GA	24	9.8	3.4 to 20	720117801
Duo-tec Combi 28 GA	28	11.5	3.8 to 24	720118001
Duo-tec Combi 33 GA	33	13.5	4.7 to 28	720118201
Duo-tec Combi 40 GA	40	16.4	5.7 to 33	720118401

## Baxi Duo-tec Combi GA pipe connection























## Flue lengths

Flue Group (diameter)	Horizontal or Vertical (H/V?)	Max. Permissible length
Flue Group A (60/100)	H & V	10m
Flue Group G (80/125)	H & V	20m
Flue Group N (80/80)	H & V	15m

## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

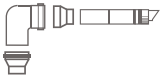



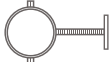





Multifit Flue Group A – (60mm/100mm Concentric flue) horizontal and vertical options		
		
Part No. 720599401	Part No. 720598701	Part No. 720642701
STD Horizontal Telescopic Flue Kit (positive fix) White	STD Horizontal Telescopic Flue Kit (positive fix) Black	STD Horizontal Telescopic Flue Kit (positive fix) Brown
		
Part No. 720644201	Part No. 5111068	Part No. 720644301
Flue Terminal Deflector (White)	Flue Terminal Deflector (Black)	Flue Terminal Deflector (Brown)
		
Part No. 720648801	Part No. 720643001	Part No. 720643101
1m Flue Extension incl Fixing Screws	0.5m Flue Extension incl Fixing Screws	0.25m Flue Extension incl Fixing Screws
		
Part No. 720648401	Part No. 720648501	Part No. 720647901
93° Flue Bend incl Fixing Screws	135° Flue Bend incl Fixing Screws	135° Flue Bend incl Fixing Screws (pair)
		
Part No. 720635501	Part No. 720550801	Part No. 720627901
Offset Adaptor Elbow	93° Low Profile Boiler Elbow	Stainless Steel Terminal Guard – Ø 60/100
		
Part No. 720647101	Part No. 5118576	Part No. 246143
Vertical Ridge Flue Terminal	Vertical Flue Terminal	Roof Cover Plate
		
Part No. 5122151	Part No. 246144	
Pitched Roof Flashing	Flat Roof Flashing	

For technical enquiries e-mail [technical.help@bdrthermea.com](mailto:technical.help@bdrthermea.com) 15

## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

Multifit Flue Group G – (80mm/125mm Flue systems) horizontal and vertical options

		
Part No. 5118580	Part No. 5118584	Part No. 5118597
Horizontal Flue Kit 685mm	1m Flue Extension Kit	Bend (pair) 135°
		
Part No. 5118588	Part No. 5118610	Part No. 5111078
Bend 91.5°	Flue Support Bracket 125mmØ	Vertical Flue Terminal 80/125 (Black) (use with 5111070)
		
Part No. 246143	Part No. 5122151	Part No. 246144
Roof Cover Plate	Pitched Roof Flashing	Flat Roof Flashing
		
Part No. 5111070		
Flue vertical adapter 60/100 to 80/125mm		

## Control options

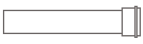
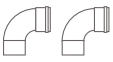
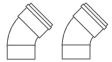



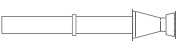







Part Number	Description
<b>Temperature Only Control</b>	
720971601	Baxi room thermostat
<b>Time Only Control</b>	
720971401	Baxi Electro-mechanical 24HR timer kit
720645201	Baxi plug-in digital 24H timer kit (Duo-tec)
720644901	Baxi Programmable 24HR Wireless Sensor (1 channel)
<b>Time &amp; Temperature Control</b>	
720030501	Baxi Wireless Programmable Room Thermostat
<b>Additional Items</b>	
720103001	Baxi Wired Weather Sensor



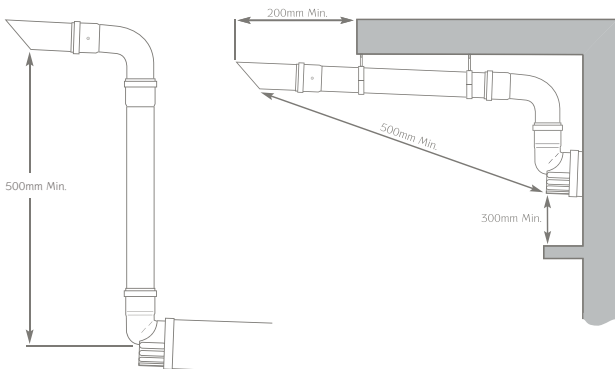
## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.25m, 93° = 0.5m.

### Multifit Flue Group N – (80mm Twin Flue systems) horizontal and vertical options

		
Part No. 5111087	Part No. 5111072	Part No. 5111086
Flue Extension (pair, includes 2 brackets)	Flue Bend (pair) 90°	Flue Bend (pair) 135°
		
Part No. 5111084	Part No. 5120172	Part No. 5111081
Twin Pipe To Concentric Adapter (80/80 to 80/125)	Twin Flue Terminal (Horizontal Termination)	Flue Support Bracket (pair) 80mmØ
		
Part No. 5111078	Part No. 246143	Part No. 246144
Vertical Flue Terminal 80/125 (Black) (use with 5111070)	Roof Cover Plate	Flat Roof Flashing
		
Part No. 5122151	Part No. 720089801	Part No. 720576301
Pitched Roof Flashing	Twin Pipe Flue Adapter	Pitch Roof Flue Terminal
		
Part No. 5121792	Part No. 5121791	
Pitched Roof Terminal Adapter Kit	Single Flue Terminal (only)	

For Plume Displacement Kit permissible flue lengths please see page 13.



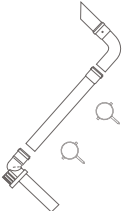
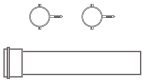

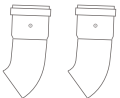

## IMPORTANT:

If fitting a Plume Displacement Flue Kit, the air inlet must be a minimum of 150mm from any opening windows or doors.  
 The inlet of the PDK **MUST** be at least 300mm above ground or balcony level or any projection or ledge. A guard must be fitted where the inlet is below 2 metres.

## Flue options

White  Black

### Plume Displacement Kits Ø 60/100mm - Multifit Flue Group A

		
<p><input type="radio"/> Part No. 720627001  <input checked="" type="radio"/> Part No. 720622901</p>	<p><input type="radio"/> Part No. 720643401  <input checked="" type="radio"/> Part No. 720643301</p>	<p><input type="radio"/> Part No. 5121369  <input checked="" type="radio"/> Part No. 720648701</p>
<p>Plume Displacement Terminal Kit inc. 1m Extension</p>	<p>Plume Displacement Kit Extension &amp; Brackets</p>	<p>Plume Displacement Kit Bend</p>
		
<p><input type="radio"/> Part No. 5121370  <input checked="" type="radio"/> Part No. 720648601</p> <p>Plume Displacement Kit Bend - Pair</p>	<p>Part No. 720644601</p> <p>Stainless Steel PDK Guard Ø 60/100 - Air Intake</p>	



## Technical data

Appliance Type				Appliance Category			
C <sub>13</sub> C <sub>23</sub> C <sub>43</sub> C <sub>53</sub>				CAT I <sub>2H 3P</sub>			
Heat Input CH (Net)				Heat Output CH (Non-Condensing)			
		Max	Min	(Net)	Max	Min	
24 model	kW	20	3.5	24 model	kW	20	3.4
28 model	kW	24	3.9	28 model	kW	24	3.8
33 model	kW	28	4.8	33 model	kW	28	4.7
40 model	kW	32	5.9	40 model	kW	32	5.7
Heat Output CH (Condensing)				Heat Input DHW (Net)			
		Max	Min		Max		
24 model	kW	21.2	3.7	24 model	kW	24.7	
28 model	kW	25.3	4.1	28 model	kW	28.9	
33 model	kW	29.6	5.1	33 model	kW	34	
40 model	kW	33.8	6.2	40 model	kW	41.2	
Heat Output DHW				Injector			
		Max					
24 model	kW	24		24 model	mm	4.4	
28 model	kW	28		28 model	mm	4.6	
33 model	kW	33		33 model	mm	4.9	
40 model	kW	40		33 model	mm	5.8	

NATURAL GAS ONLY!				PROPANE ONLY!			
Max Gas Rate		(Natural Gas - G20) (After 10 mins)		Max Gas Rate		(Propane - G31) (After 10 mins)	
24 model	m <sup>3</sup> /h	2.54		24 model	kg/h	1.92	
28 model	m <sup>3</sup> /h	2.96		28 model	kg/h	2.25	
33 model	m <sup>3</sup> /h	3.49		33 model	kg/h	2.64	
40 model	m <sup>3</sup> /h	4.23		33 model	m <sup>3</sup> /h	3.2	
Inlet Pressure (Natural Gas - G20)				Inlet Pressure (Natural Gas - G31)			
mbar	20			mbar	37		

NOTE: All data in this section are nominal values and subject to normal production tolerances.

Electrical Supply		Power Consumption	
230V~ 50Hz (Appliance must be connected to an earthed)		24 model	W 104
Electrical Protection		28 model	W 116
IPX5D		33 model	W 132
External Fuse Rating		40 model	W 142
3A		Internal Fuse Rating	
Condensate Drain		F2L	
To accept 21.5mm (3/4 in) plastic waste pipe		Flue Terminal	
Connections		Diameter	100mm
	copper tails	Dimensions	
Gas Inlet	22mm	Projection	125mm
Heating Flow	22mm	Outercase Dimensions	
Heating Return	22mm	Casing Height	763mm
Cold Water Inlet	15mm	Overall Height Inc Flue	923mm
Hot Water Outlet	15mm	Casing Width	450mm
Pressure Relief Discharge	15mm	Casing Depth	355mm

Clearances	
	copper tails
Above Casing	175mm Min
Below Casing	150mm Min*
Front	450mm Min (For Servicing)
Front	5mm Min (In operation)
L.H. Side	5mm Min
R.H. Side	5mm Min

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

NO. Class	
	5

DHW Circuit	
Pressures	bar
Max Operating	8
Min Operating	0.15

Flow Rates				
	(24)	(28)	(33)	(40)
	l/min	l/min	l/min	l/min
DHW Flow @ 30° CRise	10.9	12.9	15.3	18.3
DHW Flow @ 35° CRise	9.8	11.5	13.5	16.4
Min Working				
DHW Flow	2	2	2	2

IMPORTANT: Where Low Flow Taps or Fittings are intended to be used in the DHW system it is strongly recommended that the DHW flow rate DOES NOT fall below 2.5l/min. This will ensure reliable operation of the DHW function.

Weights	
	(24/28 model)
Packaged Boiler	41.5kg
Installation Lift	36 kg
(33 model)	
Packaged Boiler	43.5 kg
Installation Lift	38 kg
(40 model)	
Packaged Boiler	44.5 kg
Installation Lift	39 kg

Central Heating Primary Circuit	
Pressures	bar
Safety Discharge	3
Max Operating	2.5
Min Operating	0.5
Recommended Operating Range	1-2

Expansion Vessel - (For Central Heating only. Integral with appliance)		
	bar	
Min Pre-charge	0.5	
	(24 & 28)	(33 & 40)
	litre	litre
Max Capacity of CH	100	100
Primary Water Content of Boiler	2.5	2.8

Temperatures	
C.H. Flow Temp (adjustable)	25°C to 80°C max (± 5°C)
D.H.W. Flow Temp (adjustable)	35°C to 60°C max (± 5°C) dependent upon flow rate

# Baxi Neta-tec Combi GA



## Clearances

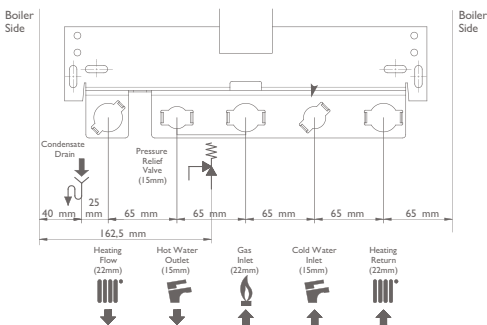
Above:	175mm	Below:	150mm**
Left:	5mm	Front	5mm (in operation)
Right:	5mm		450mm (for servicing)

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

	Max DHW Output (kW)	Flow Rate (l/m) @ 35° Max)	CH Output (kW)	Sales Code
Neta-tec Combi 24 GA	24	9.8	3.4 to 20	720023001
Neta-tec Combi 28 GA	28	11.5	3.8 to 24	720023101
Neta-tec Combi 33 GA	33	13.5	4.7 to 28	720023201

For sales codes that include standard flue see page 10.

## Baxi Neta-tec Combi GA pipe connection

















## Flue lengths

Flue Group (diameter)	Horizontal or Vertical (H/V?)	Max. permissible length
Flue Group A (60/100)	H & V	10m
Flue Group G (80/125)	H & V	20m
Flue Group N (80/80)	H & V	15m

## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

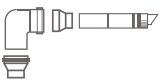



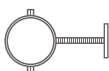


### Multifit Flue Group A – (60mm/100mm Concentric flue) horizontal and vertical options

		
Part No. 720870201	Part No. 5111068	Part No. 720648801
Neta-tec Horizontal Telescopic Flue Kit (Black terminal)	Flue Terminal Deflector (Black)	1m Flue Extension incl Fixing Screws
		
Part No. 720643001	Part No. 720643101	Part No. 720648401
0.5m Flue Extension incl Fixing Screws	0.25m Flue Extension incl Fixing Screws	93° Flue Bend incl Fixing Screws
		
Part No. 720648501	Part No. 720647901	Part No. 720627901
135° Flue Bend incl Fixing Screws	135° Flue Bend incl Fixing Screws (pair)	Stainless Steel Terminal Guard - Ø 60/100
		
Part No. 720647101	Part No. 5118576	Part No. 246143
Vertical Ridge Flue Terminal	Vertical Flue Terminal	Roof Cover Plate
		
Part No. 5122151	Part No. 246144	
Pitched Roof Flashing	Flat Roof Flashing	

## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

### Multifit Flue Group G – (80mm/125mm Flue systems) horizontal and vertical options

		
Part No. 5118580	Part No. 5118584	Part No. 5118597
Horizontal Flue Kit 685mm	1m Flue Extension Kit	Bend (pair) 135°
		
Part No. 5118588	Part No. 5118610	Part No. 5111078
Bend 91.5°	Flue Support Bracket 125mmØ	Vertical Flue Terminal 80/125 (Black) (use with 5111070)
		
Part No. 246143	Part No. 5122151	Part No. 246144
Roof Cover Plate	Pitched Roof Flashing	Flat Roof Flashing
		
Part No. 5111070		
Flue vertical adapter 60/100 to 80/125mm		

## Control options

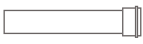
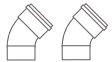










Part Number	Description
<b>Temperature Only Control</b>	
720971601	Baxi room thermostat
<b>Time Only Control</b>	
720971401	Baxi Electro-mechanical 24HR timer kit
720818201	Baxi plug-in digital 24H timer kit
720644901	Baxi Programmable 24HR Wireless Sensor (1 channel)
<b>Time &amp; Temperature Control</b>	
720030501	Baxi Wireless Programmable Room Thermostat
<b>Additional Items</b>	
720103001	Baxi Wired Weather Sensor



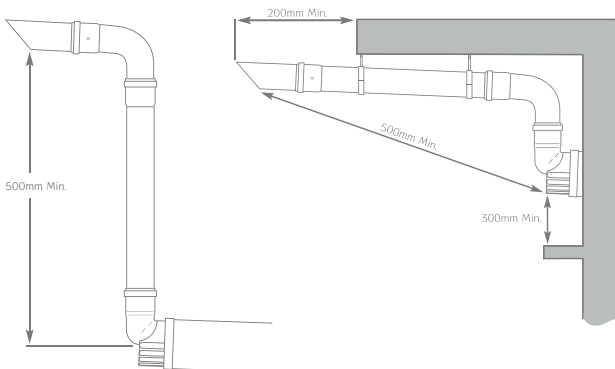
## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.25m, 93° = 0.5m.

### Multifit Flue Group N – (80mm Twin Flue systems) horizontal and vertical options

		
Part No. 5111087	Part No. 5111072	Part No. 5111086
Flue Extension (pair, includes 2 brackets)	Flue Bend (pair) 90°	Flue Bend (pair) 135°
		
Part No. 5111084	Part No. 5120172	Part No. 5111081
Twin Pipe To Concentric Adapter (80/80 to 80/125)	Twin Flue Terminal (Horizontal Termination)	Flue Support Bracket (pair) 80mmØ
		
Part No. 5111078	Part No. 246143	Part No. 246144
Vertical Flue Terminal 80/125 (Black) (use with 5111070)	Roof Cover Plate	Flat Roof Flashing
		
Part No. 5122151	Part No. 720089801	Part No. 720576301
Pitched Roof Flashing	Twin Pipe Flue Adapter	Pitch Roof Flue Terminal
		
Part No. 5121792	Part No. 5121791	
Pitched Roof Terminal Adapter Kit	Single Flue Terminal (only)	

For Plume Displacement Kit permissible flue lengths please see page 13.



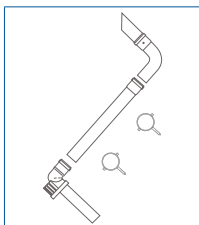
**IMPORTANT:**

If fitting a Plume Displacement Flue Kit, the air inlet must be a minimum of 150mm from any opening windows or doors.  
 The inlet of the PDK **MUST** be at least 300mm above ground or balcony level or any projection or ledge. A guard must be fitted where the inlet is below 2 metres.

**Flue options**

White  Black

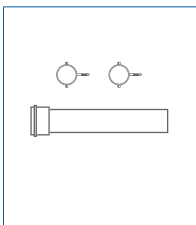
**Plume Displacement Kits Ø 60/100mm**



Part No. 720627001

Part No. 720622901

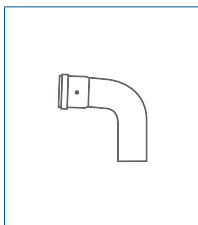
Plume Displacement Terminal Kit inc.1m Extension



Part No. 720643401

Part No. 720643301

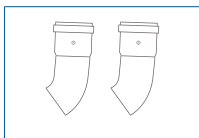
Plume Displacement Kit Extension & Brackets



Part No. 5121369

Part No. 720648701

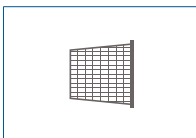
Plume Displacement Kit Bend



Part No. 5121370

Part No. 720648601

Plume Displacement Kit Bend - Pair



Part No. 720644601

Stainless Steel PDK Guard Ø 60/100 - Air Intake



Technical data

<b>Appliance Type</b>				<b>Appliance Category</b>			
C <sub>13</sub> C <sub>33</sub> C <sub>43</sub> C <sub>53</sub>				CAT II <sub>2H3P</sub>			
<b>Heat Input CH (Net)</b>				<b>Heat Output CH (Non-Condensing)</b>			
		Max	Min	(Net)	Max	Min	
24 model	kW	20	3.5	24 model	kW	20	3.4
28 model	kW	24	3.9	28 model	kW	24	3.8
33 model	kW	28	4.8	33 model	kW	28	4.7
<b>Heat Output CH (Condensing)</b>				<b>Heat Input DHW (Net)</b>			
		Max	Min	Max			
24 model	kW	21.2	3.7	24 model	kW	24.7	
28 model	kW	25.3	4.1	28 model	kW	28.9	
33 model	kW	29.6	5.1	33 model	kW	34	
<b>Heat Output DHW</b>				<b>Injector</b>			
		Max					
24 model	kW	24		24 model	mm	4.4	
28 model	kW	28		28 model	mm	4.6	
33 model	kW	33		33 model	mm	4.9	

<b>NATURAL GAS ONLY !</b>				<b>PROPANE ONLY !</b>			
Max Gas Rate	(Natural Gas - G20) (After 10 mins)			Max Gas Rate	(Propane - G31) (After 10 mins)		
24 model	m <sup>3</sup> /h	2.54		24 model	kg/h	1.92	
28 model	m <sup>3</sup> /h	2.96		28 model	kg/h	2.25	
33 model	m <sup>3</sup> /h	3.49		33 model	kg/h	2.64	
<b>Inlet Pressure (Natural Gas - G20)</b>				<b>Inlet Pressure (Natural Gas - G31)</b>			
mbar	20			mbar	37		

NOTE: All data in this section are nominal values and subject to normal production tolerances.

<b>Electrical Supply</b>		<b>Power Consumption</b>	
230V~ 50Hz		24 model	W 104
(Appliance must be connected to an earthed supply)		28 model	W 116
<b>Electrical Protection</b>		33 model	W 133
IPX5D		<b>Internal Fuse Rating</b>	
<b>External Fuse Rating</b>		F2L	
3A		<b>Flue Terminal</b>	
<b>Condensate Drain</b>		Diameter 100mm	
To accept 21.5mm (3/4 in) plastic waste pipe		<b>Dimensions</b>	
<b>Connections</b>		Projection 125mm	
	copper tails	<b>Outercase Dimensions</b>	
Gas Inlet	22mm	copper tails	
Heating Flow	22mm	Casing Height	700mm
Heating Return	22mm	Overall Height Inc Flue	860mm
Cold Water Inlet	15mm	Casing Width	390mm
Hot Water Outlet	15mm	Casing Depth	300mm
Pressure Relief Discharge	15mm		

Clearances	
	copper tails
Above Casing	175mm Min
Below Casing	150mm Min *
Front	450mm Min (For Servicing)
Front	5mm Min (In Operation)
L.H. Side	5mm Min
R.H. Side	5mm Min :

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

NO <sub>x</sub> Class	
	5

CO <sub>2</sub>	
N.G.	9.0% ± 0.7
LPG.	10.5% ± 1.0

DHW Circuit	
Pressures	bar
Max Operating	8
Min Operating	0.15

Flow Rates	(24) (28) (33)		
	l/min	l/min	l/min
DHW Flow @ 30° CRise	10.9	12.9	15.3
DHW Flow @ 35° CRise	9.8	11.5	13.5
Min Working DHW Flow	2	2	2

IMPORTANT: Where Low Flow Taps or Fittings are intended to be used in the DHW system connected it is strongly recommended that the DHW flow rate DOES NOT fall below 2.5l/min. This will ensure reliable operation of the DHW function.

Weights	
	(24 model)
Packaged Boiler	38.5kg
Installation Lift	34 kg
	(28 model)
Packaged Boiler	38.5kg
Installation Lift	34 kg
	(33model)
Packaged Boiler	40.5kg
Installation Lift	36kg

Central Heating Primary Circuit	
Pressures	bar
Safety Discharge	3
Max Operating	2.5
Min Operating	0.5
Recommended Operating	1-2
Expansion Vessel - (For Central Heating only. Integral with appliance)	
	bar
Min Pre-charge	0.5
	(24 & (33)
	litre litre
Max Capacity of CH	100 100
Primary Water Content of Boiler (unpressurised)	2.5 2.8

Temperatures	
C.H. Flow Temp (adjustable)	25°C to 80°C max (± 5°C)
D.H.W. Flow Temp (adjustable)	35°C to 60°C max (± 5°C) dependent upon flow rate

# Baxi Megafluo System Compact GA

Output: 12,15,18, 24 and 28kW



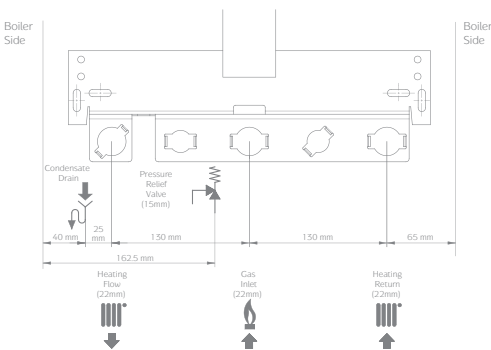
## Clearances

Above Flue:	175mm	Below:	150mm**
Left:	5mm	Front:	5mm (in operation)
Right:	5mm		450mm (for servicing)

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

	Heat Output (kW)	Sales Code
Megafluo System Compact 12 GA	2 to 12	720118501
Megafluo System Compact 15 GA	2.1 to 15	720118601
Megafluo System Compact 18 GA	2.5 to 18	720118701
Megafluo System Compact 24 GA	3.4 to 24	720118901
Megafluo System Compact 28 GA	4 to 28	720119101

## Baxi Megafluo System Compact GA pipe connection



# Baxi Megaflo System GA

Output: 32kW



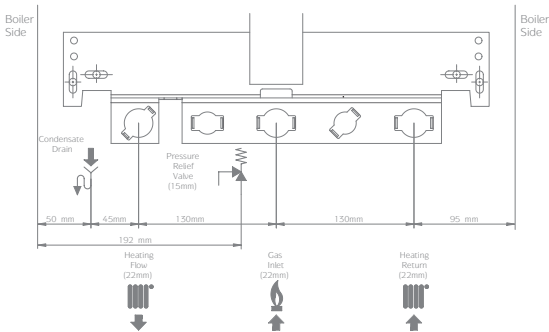
## Clearances

Above Flue:	175mm	Below:	150mm**
Left:	5mm	Front:	5mm (in operation)
Right:	5mm		450mm (for servicing)

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

	Heat Output (kW)	Sales Code
Megaflo System Compact 32 GA	4.6 to 32	720119201

## Baxi Megaflo System GA pipe connection



For technical enquiries e-mail [technical.help@bdrthermea.com](mailto:technical.help@bdrthermea.com) 31

## Flue lengths







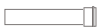













In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

Flue group are also applicable to the Baxi Megafluo System GA 32kW.

Flue Group (diameter)	Horizontal or Vertical (H/V?)	Max. permissible length
Flue Group A (60/100)	H & V	10m
Flue Group G (80/125)	H & V	20m
Flue Group N (80/80)	H & V	15m

## Horizontal and vertical fluing options

Multifit Flue Group A – (60mm/100mm Concentric flue) horizontal and vertical options

		
Part No. 720599401	Part No. 720598701	Part No. 720642701
STD Horizontal Telescopic Flue Kit (positive fix) White	STD Horizontal Telescopic Flue Kit (positive fix) Black	STD Horizontal Telescopic Flue Kit (positive fix) Brown
		
Part No. 720644201	Part No. 5111068	Part No. 720644301
Flue Terminal Deflector (White)	Flue Terminal Deflector (Black)	Flue Terminal Deflector (Brown)
		
Part No. 720648801	Part No. 720643001	Part No. 720643101
1m Flue Extension incl Fixing Screws	0.5m Flue Extension incl Fixing Screws	0.25m Flue Extension incl Fixing Screws
		
Part No. 720648401	Part No. 720648501	Part No. 720647901
93° Flue Bend incl Fixing Screws	135° Flue Bend incl Fixing Screws	135° Flue Bend incl Fixing Screws (pair)
		
Part No. 720550801	Part No. 720635501	Part No. 720627901
93° Low Profile Boiler Elbow	Offset Adaptor Elbow	Stainless Steel Terminal Guard - Ø 60/100
		
Part No. 720647101	Part No. 5118576	Part No. 246143
Vertical Ridge Flue Terminal	Vertical Flue Terminal	Roof Cover Plate
		
Part No. 5122151	Part No. 246144	
Pitched Roof Flashing	Flat Roof Flashing	



## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.

### Multifit Flue Group G – (80mm/125mm Flue systems) horizontal and vertical options

Part No. 5118580 Horizontal Flue Kit 685mm	Part No. 5118584 1m Flue Extension Kit	Part No. 5118597 Bend (pair) 135°
Part No. 5118588 Bend 91.5°	Part No. 5118610 Flue Support Bracket 125mmØ	Part No. 5111078 Vertical Flue Terminal 80/125 (Black) (use with 5111070)
Part No. 246143 Roof Cover Plate	Part No. 5122151 Pitched Roof Flashing	Part No. 246144 Flat Roof Flashing
Part No. 5111070 Flue vertical adapter 60/100 to 80/125mm		

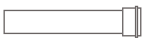
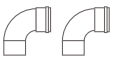
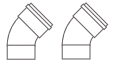








## Control options

Part Number	Description
Temperature Only Control	
720971601	Baxi room thermostat

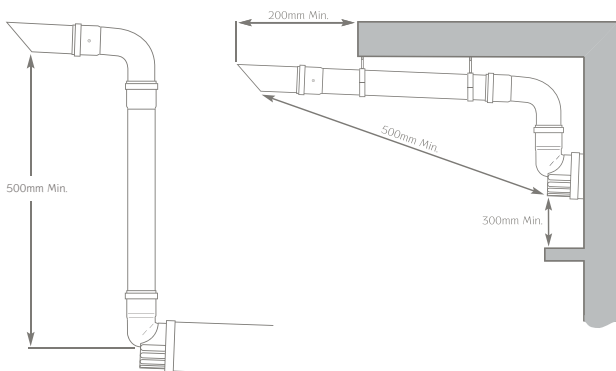
## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.25m, 93° = 0.5m.

### Multifit Flue Group N – (80mm Twin Flue systems) horizontal and vertical options

		
Part No. 5111087	Part No. 5111072	Part No. 5111086
Flue Extension (pair, includes 2 brackets)	Flue Bend (pair) 90°	Flue Bend (pair) 135°
		
Part No. 5111084	Part No. 5120172	Part No. 5111081
Twin Pipe To Concentric Adapter (80/80 to 80/125)	Twin Flue Terminal (Horizontal Termination)	Flue Support Bracket (pair) 80mmØ
		
Part No. 5111078	Part No. 246143	Part No. 246144
Vertical Flue Terminal 80/125 (Black) (use with 5111070)	Roof Cover Plate	Flat Roof Flashing
		
Part No. 5122151	Part No. 720089801	Part No. 720576301
Pitched Roof Flashing	Twin Pipe Flue Adapter	Pitch Roof Flue Terminal
		
Part No. 5121792	Part No. 5121791	
Pitched Roof Terminal Adapter Kit	Single Flue Terminal (only)	

For Plume Displacement Kit permissible flue lengths please see page 13.



**IMPORTANT:**

If fitting a Plume Displacement Flue Kit, the air inlet must be a minimum of 150mm from any opening windows or doors. The inlet of the PDK **MUST** be at least 300mm above ground or balcony level or any projection or ledge. A guard must be fitted where the inlet is below 2 metres.

**Flue options**

White ○ Black ●

**Plume Displacement Kits Ø 60/100mm - Multifit Flue Group A**

<p>○ Part No. 720627001 ● Part No. 720622901</p>	<p>○ Part No. 720643401 ● Part No. 720643301</p>	<p>○ Part No. 5121369 ● Part No. 720648701</p>
<p>Plume Displacement Terminal Kit inc.1m Extension</p>	<p>Plume Displacement Kit Extension &amp; Brackets</p>	<p>Plume Displacement Kit Bend</p>
<p>○ Part No. 5121370 ● Part No. 720648601</p>	<p>Part No. 720644601</p>	
<p>Plume Displacement Kit Bend - Pair</p>	<p>Stainless Steel PDK Guard Ø 60/100 - Air Intake</p>	

For technical enquiries e-mail [technical.help@bdrthermea.com](mailto:technical.help@bdrthermea.com) 35

## Technical data (12, 15, 18, 24, 28)

Appliance Type				Appliance Category			
C <sub>13</sub>	C <sub>33</sub>	C <sub>43</sub>	C <sub>53</sub>	CAT I <sub>2H 3P</sub>			
Heat Input CH (Net)				Heat Output CH (Non-Condensing)			
		Max	Min	(Net)	Max	Min	
12 model	kW	12	2.1	12 model	kW	12	2
15 model	kW	15	2.2	15 model	kW	15	2.1
18 model	kW	18	2.6	18 model	kW	18	2.5
24 model	kW	24	3.5	24 model	kW	24	3.4
28 model	kW	28	4.1	28 model	kW	28	4
Heat Output CH (Condensing)				Injector			
		Max	Min				
12 model	kW	12.7	2.2	12 model	mm	3	
15 model	kW	15.9	2.3	15 model	mm	3.3	
18 model	kW	19	2.8	18 model	mm	3.6	
24 model	kW	25.4	3.7	24 model	mm	4.6	
28 model	kW	29.6	4.3	28 model	mm	4.9	

NATURAL GAS ONLY !			PROPANE ONLY !		
Max Gas Rate	(Natural Gas - G20) (After 10 mins)		Max Gas Rate	(Propane - G31) (After 10 mins)	
12 model	m <sup>3</sup> /h	1.27	12 model	kg/h	0.93
15 model	m <sup>3</sup> /h	1.59	15 model	kg/h	1.17
18 model	m <sup>3</sup> /h	1.90	18 model	kg/h	1.4
24 model	m <sup>3</sup> /h	2.54	24 model	kg/h	1.86
28 model	m <sup>3</sup> /h	2.96	28 model	kg/h	2.18
Inlet Pressure (Natural Gas - G20)			Inlet Pressure (Natural Gas - G31)		
mbar	20		mbar	37	

NOTE: All data in this section are nominal values and subject to normal production tolerances.

<b>Electrical Supply</b>	<b>Power Consumption</b>
230V~ 50Hz (Appliance must be connected to an earthed supply)	12 model W 110
<b>Electrical Protection</b>	15 model W 108
IPX5D	18 model W 125
<b>External Fuse Rating</b>	24 model W 104
3A	28 model W 135
<b>Condensate Drain</b>	<b>Internal Fuse Rating</b>
To accept 21.5mm (3/4 in) plastic waste pipe	F2L
<b>Connections</b>	<b>Flue Terminal</b>
copper tails	Diameter 100mm
Gas Inlet 22mm	<b>Dimensions</b>
Heating Flow 22mm	Projection 125mm
Heating Return 22mm	
Pressure Relief Discharge 15mm	

## Technical data (32)

Outer Case Dimensions	
Casing Height	700mm
Overall Height Inc Flue	860mm
Casing Width	390mm
Casing Depth	300* mm

\*This can be reduced to 290mm by removing the boiler control access flap

Weights	
(12/15/18/24 model)	
Packaged Boiler	36.5kg
Installation Lift	32.5 kg
(28 model)	
Packaged Boiler	38.5kg
Installation Lift	34.5 kg

NO <sub>x</sub> Class	
5	

CO <sub>2</sub>	
N.G.	9.0% ± 0.7
L.P.G.	10.5% ± 1.0

Central Heating Primary Circuit	
Pressures	bar
Safety Discharge	3
Max Operating	2.5
Min Operating	0.5
Recommended Operating	1-2

Clearances	
Above Casing	175mm Min
Below Casing	150mm Min*
Front	450mm Min (For Servicing)
Front	5mm Min (In operation)
L.H. Side	5mm Min
R.H. Side	5mm Min

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

Expansion Vessel - (For Central Heating only. Integral with appliance)	
	bar
Min Pre-charge Pressure	0.5
	(12, 15, 18, 24 & 28)
	litre
Max Capacity of CH System	100
Primary Water Content of Boiler (unpressurised)	2.5

Temperatures	
C.H. Flow Temp (adjustable)	25°C to 80°C max (± 5°C)

Appliance Type			
C <sub>15</sub>	C <sub>33</sub>	C <sub>43</sub>	C <sub>53</sub>

Appliance Category			
CAT II <sub>2H3P</sub>			

Heat Input CH (Net)			
		Max	Min
32 model	kW	32	4.6

Heat Output CH (Condensing)			
		Max	Min
32 model	kW	33.8	5

Injector			
32 model	mm	5.8	

NATURAL GAS ONLY!			
Max Gas Rate	(Natural Gas - G20) (After 10 mins)		
32 model	m <sup>3</sup> /h	3.40	
Inlet Pressure (Natural Gas - G20)	mbar		
	20		

PROPANE ONLY!			
Max Gas Rate	(Propane - G31) (After 10 mins)		
32 model	kg/h	2.49	
Inlet Pressure (Natural Gas - G31)	mbar		
	37		

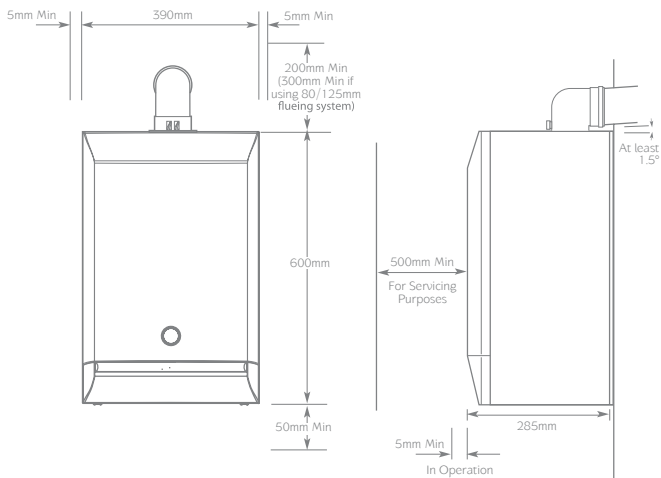
Power Consumption		
32 model	W	132

Outer Case Dimensions	
Casing Height	763mm
Overall Height Inc Flue	923mm
Casing Width	450mm
Casing Depth	355mm

Weights	
(32 model)	
Packaged Boiler	42.5kg
Installation Lift Weight	37.5 kg

Expansion Vessel - (For Central Heating only. Integral with appliance)	
	bar
Min Pre-charge Pressure	0.5
	32 model
	litre
Max Capacity of CH System	155
Primary Water Content of Boiler (unpressurised)	2.8

## Baxi Solo HE A



## Clearances

Above Flue:	200mm	Below:	50mm*
Left:	5mm	Front:	5mm (in operation)
Right:	5mm		500mm (for servicing)

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

	CH Output (kW)	Sales Code
Solo HE 12A	12	5121343
Solo HE 15A	15	5121344
Solo HE 18A	18	5118063
Solo HE 24A	24	5118648
Solo HE 30A	30	5121345



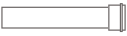



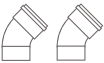

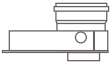





## Flue lengths

Flue Group (diameter)	Horizontal or Vertical (H/V?)	Max. permissible length
Flue Group B (70/110)	H & V	4m + terminal
Flue Group P (80/80)	H & V	75m
Flue Group L (70/110)	N/A	N/A

## Horizontal and vertical fluing options

In line bend reduction amount: 135° = 0.5m, 93° = 1.0m.




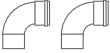











Multifit Flue Group B – (70mm/110mm Concentric flue) horizontal and vertical options

		
Part No. 243013BAX	Part No. 236921	Part No. 241695
Horizontal Flue Terminal 0.85m	Horizontal Flue Terminal (incl elbow)	Flue Extension 1m
		
Part No. 241694	Part No. 241692	Part No. 241687
Flue Extension 0.5m	Flue Extension 0.25m	Flue Bend 93°
		
Part No. 241689	Part No. 243014BAX	Part No. 5106888
Flue Bend (pair) 135°	Pipe Support 110mm	Vertical Flue Boiler Adaptor
		
Part No. 248167	Part No. 242802	Part No. 243015
Flue Terminal Deflector	Vertical Flue Terminal	Pitched Roof Flashing 25°/50°
		
Part No. 243131	Part No. 243016BAX	
Roof Cover Plate	Flat Roof Flashing	

## Horizontal and vertical fluing options

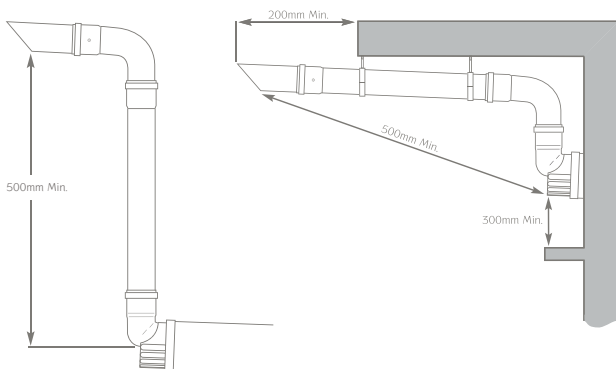
In line bend reduction amount: 135° = Air 1.3m, Flue gas 2.6m; 95° = Air 4.8m, Flue gas 9.6m

### Multifit Flue Group P – (80mm Twin Flue systems) horizontal and vertical options

		
Part No. 246137	Part No. 246136	Part No. 246135
Flue Extension (pair) 1m	Flue Extension (pair) 0.5m	Flue Extension (pair) 0.25m
		
Part No. 5121560	Part No. 243013 BAX	Part No. 242757
Flue Bend (pair) 90°	Horizontal Wall Terminal	Twin Pipe Flue Adapter Set
		
Part No. 5121561	Part No. 242757	Part No. 5111081
Flue Bend (2 pair) 135°	Vertical Flue Boiler Adaptor Kit	Pipe Support (pair) 80mm
		
Part No. 243014 BAX	Part No. 242802	Part No. 248167
Pipe Support 110mm	Vertical Flue Terminal	Flue Terminal Deflector
		
Part No. 243015	Part No. 243131	Part No. 243016BAX
Pitched Roof Flashing 25°/50°	Roof Cover Plate	Flat Roof Flashing



For Plume Displacement Kit permissible flue lengths please see page 13.



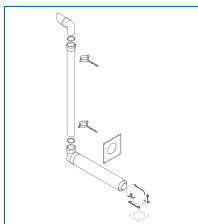
### IMPORTANT:

If fitting a Plume Displacement Flue Kit, the air inlet must be a minimum of 150mm from any opening windows or doors.

The inlet of the PDK **MUST** be at least 300mm above ground or balcony level or any projection or ledge. A guard must be fitted where the inlet is below 2 metres.

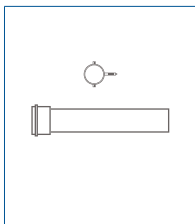
## Flue options

### Plume Displacement Kits 70/110mm diameter - Multifit Flue Group L



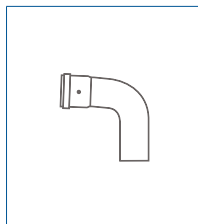
Part No. 5121371

Plume Displacement  
Terminal Kit inc Elbow  
& Clips.



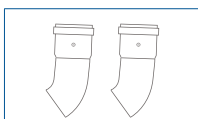
Part No. 5121372

Plume Displacement  
Kit Extension & Clip



Part No. 5121373

Plume Displacement  
Kit Bend



Part No. 5121374

Plume Displacement  
Kit Bend - Pair

For technical enquiries e-mail [technical.help@bdrthermea.com](mailto:technical.help@bdrthermea.com) 41

## Technical data

## Appliance Type

C<sub>13</sub> C<sub>33</sub> C<sub>53</sub>

## Heat Input (Q) (Gross)

	Gross	Max	Min
12 model	kW	13.34	10.2
15 model	kW	16.88	10.2
18 model	kW	20.18	10.2
24 model	kW	24.50	10.2
30* model	kW	33.76	10.2

\* NOTE: The maximum output of the 30 model is factory set at 22.0kW. This can be altered to 30.18kW

Heat Output  
(Condensing 40° C Mean Water Temp)

	Max	Min	
12 model	kW	12.81	
15 model	kW	16.49	10.1
18 model	kW	19.27	
24 model	kW	23.8	10.1
30 model	kW	32.61	10.1

## Flue Terminal

Diameter 100mm

## Dimensions

Projection 150mm

## Outer case Dimensions

Overall Height Inc Flue Elbow	750mm
Casing Height	600mm
Casing Width	390mm
Casing Depth	285 mm

## Weights

Packaged Boiler	36.2
Packaged Flue Kit	3.6
Installation Lift	26.0

## Appliance Category

CAT I<sub>2H</sub>Heat Output  
(Non Condensing 70° C Mean Water Temp)

	Max	Min	
12 model	kW	11.82	9.14
15 model	kW	15.24	9.14
18 model	kW	17.81	9.14
24 model	kW	22.0	9.14
30 model	kW	30.18	9.14

Max Gas Rate  
(2H - G20 - 20mbar)(After 10 Mins)

	(12)	(15)	(18)	(24)	(30)
m <sup>3</sup> /	1.34	1.64	1.94	2.31	2.95

## Injector (Natural Gas)

6.5mm Diameter

## Nox Class

5

## Connections

Gas Supply	1/2in
Central Heating Flow	22mm
Central Heating Return	22mm
Condensate Drain	1 in BSP

## Clearances

Both Sides	5mm Min
Above Casing	200mm Min
Below Casing	50mm Min
Front (For Servicing)	500mm Min
Front (In Operation)	5mm Min

CO/CO<sub>2</sub> Ratio

Up to a maximum of 0.004

CO<sub>2</sub> Level

9% ± 1%

**Electrical Supply**

230V~ 50Hz

(Appliance must be connected to an earthed supply)

**External Fuse Rating**

3A

**Water Content**

litres 2.6

pints 4.6

**Static Head**

max 30 metres (100 ft)

min 1 metre (3.25 ft)

**Gas Connection**

G1/2" B.S.P.

**Inlet Pressure at Gas Valve (Natural Gas)**

Min 18.1 mbar

Max 22.5 mbar

**Power Consumption**

80W

**Internal Fuse Rating (BS 4265)**

Fuse 3.15 AT (PCB)

**Electrical Protection**

IPX2

**Low Head**

0.2m (8 in) min

**System Detail**

fully pumped open vented &amp; sealed systems

**Controls**

boiler thermostat, safety thermostat, flow switch, electronic flame sensing, temperature protection thermostat &amp; condensate blockage sensor

**Flow Temperature (adjustable)**

55° C to 78° C (± 5° C)

**Recommended System Temperature Drop**

Condensing 20°C 36°F

## Accessories and controls

		Part Number	
Temperature Only Control	Baxi room thermostat	720971601	
Time only Control	Baxi electro mechanical 24hr timer kit	720971401	
	Baxi plug in digital 24hr timer kit	720645201	
		720818201	
	Baxi programmable 24hr wireless sensor	720644901	
Time & Temperature Control	Baxi Wireless Programmable Room Thermostat	720030501	
Additional items	Baxi wired weather sensor	720103001	
	Multifit GasSaver	GS1 - 720056901	
		GS1c- 720855201	
	Multifit Heatsaver kit	720721001	
	Multifit external boiler discharge pump (PRV & condensate)	720648300	
Condensate trace heating kit	Please see page 50		

\*Please use the Multifit GasSaver GS1 (720056901) for the Megaflo System 32kw



Baxi Duo-tec Combi GA	Baxi Neta-tec Combi GA	Baxi Megaflo System Compact GA	Baxi Solo HE A
✓	✓	✓	✓
✓	✓		
✓			
	✓		
✓	✓		
✓	✓		
✓	✓		
✓			
	✓	✓ <sup>+</sup>	
✓	✓		
✓	✓	✓	✓
✓	✓	✓	✓

## Accessories and controls

The advanced range of Baxi GA boilers deserve state of the art controls and accessories. We've introduced sensors that monitor internal and external temperatures so the boiler can adjust its output to perfectly suit the home's heat requirement, and an external boiler PRV and condensate discharge pump, which removes the need for additional pipework. Fitting Baxi has never been easier.

### Temperature only controls:

#### Baxi room thermostat (#720971601)



- Easy to use dial
- Temperature range 5°C to 35°C adjustment
- Additional savings of £71 can be achieved by installing a room thermostat†

### Time only controls:

#### Baxi electro-mechanical 24 hour timer kit (#720971401)



- To be sited remotely from the boiler
- Simple-to-use tapet time clock in 15min adjustable time segments
- On/Off/Auto functionality

† Source: Energy Saving Trust

### Baxi plug-in digital 24 hour timer kit – standard

(#720645201) & compact (#720818201)



- Compatible with Baxi Neta-tec Combi GA and Baxi Duo-tec Combi GA
- Plugs into boiler fascia for simple timer option
- Easy-to-read backlit LCD display
- The familiarity of a mechanical timer with digital simplicity

### Time and temperature controls:

#### Baxi Programmable 24 hour wireless sensor

(#720644901)



- Compatible with Baxi Neta-tec Combi GA and Baxi Duo-tec Combi GA
- Single channel timer and room sensor
- Easy to read backlit LCD display
- Energy-saving night set-back function lowers night time room temperature

#### Baxi wireless 7 day programmable room thermostat

(#720030501)



- Portable room thermostat for ease of use and greater comfort
- 7 day programmable timer
- Easy to read, backlit LCD display

## Accessories and controls

### Wired weather sensor (#720103001)



- Monitors outside temperature and optimises boiler performance for efficiency, economy and comfort
- Recognised SAP benefit up to 3%
- No servicing or maintenance

### Multifit external boiler discharge pump (PRV & condensate) (#720648301)



- External pump solution
- Stores and discharges high temperature waste from boiler pressure relief valve avoiding the need for external pipework
- Manages condensate line waste allowing pump to discharge into soil pipe
- 5 metre vertical head

### Multifit GasSaver – GS1 (#720056901) & compact GS1c (#720855201)



- Compact (GS1c) for use with Baxi Neta-tec Combi GA and Baxi Megafluo System Compact GA
- Standard (GS1) for use with Baxi Duo-tec Combi GA and Baxi Megafluo System 32 GA
- Saves up to 37% of the gas used to heat hot water annually\*
- Reduces cold water consumption by up to 7%\*
- No servicing or maintenance required



### Multifit HeatSaver kit (#720721001)



- SAP benefit up to 7.5%\*
- Increases boiler efficiency – saves up to 37%\* of the gas used to heat hot water annually, compared to a SEDBUK (2005) >90% band A boiler
- Low carbon solution, offering up to 700kg carbon emissions saving
- Reduces cold water consumption by up to 7%\*\* compared to a SEDBUK (2005) >90% band A boiler
- Maintenance free – no moving parts and no annual servicing required
- Simple to install – designed for easy and fast fitting such as a standard airing cupboard

---

### Multifit Stand Off Kit – standard (#720648101) and compact (#720648201)

- Compact for use with Baxi Neta-tec Combi GA and Baxi Megafluo System Compact GA
- Standard for use with Baxi Duo-tec Combi GA and Baxi Megafluo System 32 GA
- Stand the boiler 40mm off the wall so that you can run upward piping at the back of the boiler

---

\*Based on SAP 2005 and Building Regulations Part L 2006. In independent tests conducted by TUV and TNO this one simple device was proven to deliver domestic hot water savings of up to 7% and reduce the gas used to heat hot water by up to 37% compared to a SEDBUK (2005) Band A combination boiler.

\*\*Test conducted by independent scientific test house, TNO. Calculation based on an average household's consumption of 100 litres of hot water per day. Results were based on a comparison of a SEDBUK (2005) >91% rated high efficiency boiler versus a high efficiency boiler and GasSaver.

## Accessories and controls

### Condensate trace heating kits



Baxi is pleased to present an addition to the Multifit accessory range: the Multifit Condensate Trace Heating Kit.

The Multifit Condensate Trace Heating Kit is compatible with all condensing boilers and easy for installers to fit where external condensate pipes are used. For the householder it is an effective and economical way to protect their boiler's condensate pipes from freezing, which was a major cause of boiler breakdowns during the extreme weather conditions in recent years.

- Self-regulating trace heating – applies only the necessary amount of trace heating to prevent freezing to avoid wasting energy
- Operation begins when the temperature drops below 3°C
- Comes complete with Power on and Heater on LED indicator lights
- Can wire to the boiler fused spur or connect via a plug
- Perfect solution for small diameter pipe work – small diameter pipes have the highest risk of freezing
- Suitable for all plastic pipes up to 32mm diameter
- Comes complete with RCD, fixings and warning labels for a complete installation
- Designed for all condensing boilers with RCD protection – complies with 17th Edition wiring regulations

#### Product Details

Product	Sales code Number
Condense Trace Heating Kit – 1m	720644401
Condense Trace Heating Kit – 2m	720664101
Condense Trace Heating Kit – 3m	720664201
Condense Trace Heating Kit – 5m	720664401

## Low zero carbon overview

### Baxi Ecogen™

---



The Baxi Ecogen is a dual energy micro-CHP boiler, delivering highly efficient heating and hot water and generating up to 1kW/h of low cost, low carbon electricity. MCS certified.

### Baxi Solargen™

---



The Baxi Solargen is a complete PV kit which uses energy from daylight to produce clean, sustainable electricity. The range includes a number of outputs with both pitched roof & flat roof mountings available. The kit includes all components required for installation and is MCS Certified.

### Baxi Bioflo™

---



The Baxi Bioflo is the ideal solution for homeowners who wish to take a proactive role in environmental protection. The 94% efficient wood pellet biomass boiler provides a steady supply of clean, sustainable, carbon neutral heating and hot water. It is MCS certified.

### Baxi Geoflo™

---



The Baxi Geoflo ground source heat pump exploits the latent heat from the earth. It is particularly effective for use in the UK as our ground temperature below a certain depth remains constant throughout the year. The Baxi Geoflo is particularly suitable for well insulated, off mains gas homes with underfloor heating or low temperature radiators.

## Why use Solar?

### Savings for customers mean opportunities for installers

Real savings can be made over the medium to long term when homeowners switch to renewable energy sources. As the world's supply of gas diminishes, we must use this resource more efficiently and find other ways of meeting our hot water requirements. A Baxi Solarflo™ system gives customers a sustainable energy source which is free and natural, so it's becoming an attractive addition for customers and developers with an eye on the future. Thanks to the superb design and the training we offer, Baxi Solarflo™ systems are also easy for installers to fit.



## Baxi Solarflo™ key features & benefits:

- On-roof, in-roof and flat roof portrait or landscape solar collector panel packages available (1, 2 or 3 panels) to enable installation to most roof styles
- Evacuated tube packages also available (20 or 30 tubes)
- Provides approximately 55% of a home's annual domestic hot water needs
- The package consists of solar collector panel (s), a hydraulic pump station, controller and all the components required for safeoperation
- Compatible with Heatrae Sadia's Megaflo Eco solar range of cylinders
- Quick fit brackets supplied for on-roof kit to aid speedy installation
- Tool free hydraulic fittings to aid speedy installation and less time spent on the roof
- 3.2mm tempered low Iron glass cover to aid absorption of solar irradiation in cloudy conditions to improve efficiency
- 10 year warranty\*
- SAP compliant\*\* and MCS certified

\* Subject to registration and an annual service.

Domestic hot water



### How Baxi Solarflo™ works

The collector panels work by transferring heat into a fluid that is circulated to a solar coil in the base of the hot water storage cylinder. Here, the heat is transferred into the stored domestic hot water. The cooled fluid is then circulated back to the solar collectors to be re-heated, and the cycle is repeated.

## On-roof

### Baxi Slate & Tile On-roof System

Includes

- 1, 2 or 3 panels
- Solar controller
- Mounting rail and brackets
- Portrait or landscape options
- Solar fluid

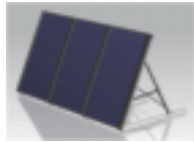


Codes portrait		Codes landscape	
1 panel	720670401	1 panel	720671701
2 panel	720670601	2 panel	720671901
3 panel	720670801	3 panel	720672101

### Baxi Flat Roof A-frame System

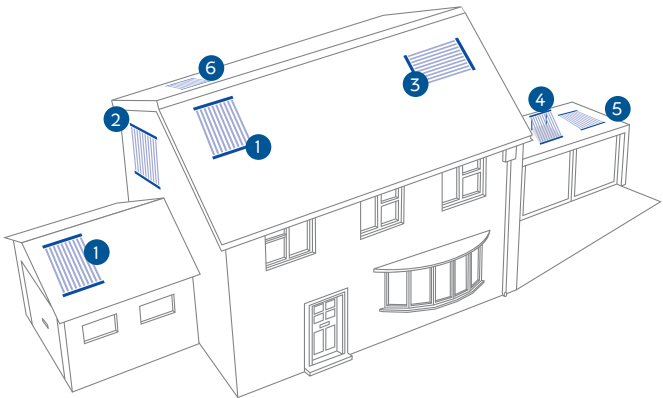
Includes

- 1, 2 or 3 panels
- Solar controller
- A-frame
- Portrait or landscape options
- Solar fluid



Codes portrait		Codes landscape	
1 panel	720675301	1 panel	720676501
2 panel	720675501	2 panel	720676701
3 panel	720675701	3 panel	720676901

## Application Suitability



## In-roof

### Baxi Slate In-roof System

Includes

- 1, 2 or 3 panels 2.0m<sup>2</sup> or 1 or 2 panels 2.5m<sup>2</sup>
- Solar controller
- Mounting rail and brackets
- Solar fluid
- Portrait or landscape\* options
- Slate flashing kit



#### Codes portrait 2.0m<sup>2</sup> Codes landscape 2.0m<sup>2</sup>

1 panel	720762501	1 panel	720764701
2 panel	720763101	2 panel	720765101
3 panel	720763501	3 panel	720765401

#### Codes portrait 2.5m<sup>2</sup>

1 panel	720763801
2 panel	720764201

### Baxi Tile In-roof System

Includes

- 1, 2 or 3 panels 2.0m<sup>2</sup> or 1 or 2 panels 2.5m<sup>2</sup>
- Solar controller
- Mounting rail and brackets
- Solar fluid
- Portrait or landscape\* options
- Tile flashing kit

#### Codes portrait 2.0m<sup>2</sup> Codes landscape 2.0m<sup>2</sup>

1 panel	720672901	1 panel	720674101
2 panel	720673101	2 panel	720674301
3 panel	720673301	3 panel	720674501

#### Codes portrait 2.5m<sup>2</sup>

1 panel	720673501
2 panel	720673701

\*2.0m<sup>2</sup> only

- 1 **Pitched roof portrait application**  
Suitable for: *On roof / In roof*
- 2 **Façade application**  
Suitable for: *Evacuated tube collectors*
- 3 **Pitched roof landscape application**  
Suitable for: *On roof / In roof*
- 4 **A-frame application**  
Suitable for: *On roof (flat)*
- 5 **Flat roof horizontal application**  
Suitable for: *Evacuated tube collectors*
- 6 **East/West array application**  
Suitable for: *In roof / on roof*  
For more information see page 57

For technical enquiries e-mail [technical.helpline@bdrthermea.com](mailto:technical.helpline@bdrthermea.com) 55

## Evacuated tube

### Baxi Evacuated Tubes for Slate or Tile Pitched Roof

Includes

- 20 or 30 tubes
- Solar controller
- Mounting rail and brackets
- Solar fluid
- 30m flexible stainless steel pipe kit
- Hydraulic Pump Station
- Expansion vessel
- Manifold



#### Codes

20 tube*	5130214
----------	---------

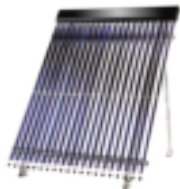
30 tube	5130215
---------	---------

\* Evacuated tubes can be orientated portrait of landscape to suit application. The 20 tube kit is also compatible with an additional separate 10 evacuated tube collector for flexibility of siting where roof obstructions might prevent siting of a 30 tube kit.

### Baxi Evacuated Tubes for Flat Roof

Includes

- 20 or 30 tubes
- Solar controller
- A-frame
- Solar fluid
- 30m flexible stainless steel pipe kit
- Hydraulic Pump Station
- Manifold



#### Codes

20 tube	5130216
---------	---------

30 tube	5130217
---------	---------

### Baxi Evacuated Tubes for Building Façade

Includes

- 20 or 30 tubes
- Solar Controller
- Mounting rail and brackets
- Solar fluid
- 30m flexible stainless steel pipe kit
- Hydraulic Pump Station
- Expansion vessel
- Manifold

#### Codes

20 tube	5130232
---------	---------

30 tube	5130233
---------	---------



## East/West array kits

The East/West array package is perfect for roof orientations which are not south facing. The kit enables collectors to be fitted on either side of the roof structure with one panel facing east and one facing west.

East/West array kits enable solar gain around the building throughout the day.

The solar controller supplied with the main hydraulic pump station (see Installation Guide on [www.baxi.co.uk](http://www.baxi.co.uk)) already has the facility built in to control an East/West array.

A Baxi Solarflo™ 2 panel in-roof flat plate package, 2 panel on-roof flat plate package or Baxi evacuated tubes (20 or 30 tube kits) can be transformed into an East West arrangement by adding the appropriate kit.



For more information please call  
0844 871 1525 to request a  
Solarflo brochure

## Our support for you

Our free product training courses are available throughout the UK and are a great way to learn about Baxi boilers

So that you're happy and confident in installing our great products, we provide a range of high quality courses on electrics, diagnostics, controls and every other aspect of installation. Our courses are held at dedicated, fully equipped UK training centres and delivered by trainers with many years' experience of Baxi products. They're designed to help you understand the THINK combustion management system and boiler components and make installation, service and maintenance easier and simpler. We also offer free training days on our new range of boilers.



*"Baxi puts together programmes that are thorough and professional and keep me up to date with new technology which helps me do my job with confidence".*

To book a place on one of our free new product training days simply contact your local Baxi Area Sales Manager, or visit [www.baxitraining.co.uk](http://www.baxitraining.co.uk)

## Supporting the best, with the best



heateam, our award winning customer service division, is our team of 270 Gas Safe registered engineers working across the UK to ensure your customers are happy with their investment in their Baxi boiler. In fact,

it's like having your very own aftersales team. Any problems encountered with a Baxi product within two years of installation will be resolved quickly and efficiently by one of our engineers.

If you're a member of our business support scheme **works** we will guarantee to be with your customer the very next day\*.

\* Calls booked before 3pm when the appliance is inoperative

*"If you need some support during an installation it's great to know that heateam are at the end of the phone. It's clear that their guys have been on the tools and know how we work, which is reassuring".*

Call us on  
**0844 871 1525**  
[www.heateam.co.uk](http://www.heateam.co.uk)

heateam  
opening hours  
Mon - Fri 8am - 6pm  
Sat/Sun 8.30am - 2pm

**heateam**

**TOP**  
**50**  
CALL CENTRES  
FOR CUSTOMER  
SERVICE  
**2011**

For technical enquiries e-mail [technical.helpline@bdrthermea.com](mailto:technical.helpline@bdrthermea.com) 59

## works – You've earned it

We want to thank you for your business and help you grow it

Running a business of any size isn't easy, especially in the current economic climate. That's why we've set up **works**, our great business support scheme. Far more than a loyalty programme, **works** rewards genuine two-way communication between you and Baxi.

Here are just a few of the benefits that **works** can offer:



### Rewards

Earn points to spend on a range of gifts and business support



### Free Gas Safe notification

Save time and money on Gas Safe notifications with **works**' easy online process



### Next day call out

We'll support you with next day call out\* from **heateam**, our award winning customer service division



### Annual service reminder

We prompt your customers to call you when their annual service is due\*\*



### 'Find an installer'

We'll help you grow your business by adding a listing on to 'Find an installer' on the Baxi website



\* calls booked before 3pm

\*\*Available for registered boilers only. See website for details



**works**  
building success together

[www.works2gether.co.uk](http://www.works2gether.co.uk)

## Baxi literature

General	Sales Order Code
Baxi GA Range Guide	402050
Baxi Pocket Guide	350621

Baxi Duo-tec Combi GA	Sales Order Code
User instructions	7206335
Installation Instructions	7206334
Homeowner sales brochure	396126

Baxi Neta-tec Combi GA	Sales Order Code
User instructions	7206333
Installation Instructions	7206332
Homeowner sales brochure	396129

Baxi Megaflo System Compact GA	Sales Order Code
User instructions	7206339
Installation Instructions	7206338
Homeowner sales brochure	396130

Baxi Solo HE A	Sales Order Code
User instructions	7204219
Installation Instructions	7204218
Homeowner sales brochure	356244
Installer sales brochure	401616

Low zero carbon literature	Sales Order Code
Baxi Solarflo™	350622
Baxi Solargen	415441
Baxi Geoflo	356145
Baxi Biomass	356417
Baxi Ecogen	379548

### How to order

If you would like to order any brochures please call our literature hotline on **0844 871 1525** or contact your local Baxi Area Sales Manager.

All our brochures, instructions, leaflets and guides are available free of charge.

To download our brochures electronically visit [www.baxi.co.uk](http://www.baxi.co.uk)

---

For technical enquiries e-mail [technical.helpline@bdrthermea.com](mailto:technical.helpline@bdrthermea.com) 61

## Metric and Imperial measures

### Imperial to Metric units

1 inch	= 25.4 mm	= 2.54 cm
1 foot	= 304.8 mm	= 0.3048 m
1 yard	= 914.4 mm	= 0.9144 m
1 mile	= 1609 m	= 1.609 km
1 square inch	= 645.2 mm <sup>2</sup>	= 6.452 cm <sup>2</sup>
1 cubic inch	= 16387 mm <sup>3</sup>	= 0.016 39 dm <sup>3</sup>
1 cubic yard	= 0.764555 m <sup>3</sup>	
1 ton	= 1016 kg	= 1.016 tonne
0.1 inches water gauge	= 0.25 mbar	
1.0 inch water gauge	= 2.5 mbar	
1 atmosphere	= 1.01325 bar	
1 British thermal unit (Btu)	= 1055 J	
1 therm	= 105.5 MJ	
1000 Btu/h	= 0.2931 kW	= 1.055 MJ/h

## Metric to Imperial units

1 millimetre	= 0.03937 in		
1 metre	= 39.37 in	= 3.281 ft	= 1.094 yd
1 kilometre	= 0.6214 mile	= 1094 yd	
1 square millimetre	= 0.001550 in <sup>2</sup>		
1 square metre	= 1.196 yd <sup>2</sup>	= 0.047 hectare	
1 cubic millimetre	= 0.000061 in <sup>3</sup>		
1 cubic decimetre	= 61.02 in <sup>3</sup>	= 0.035 31 ft <sup>3</sup>	
1 cubic metre	= 35.31 ft <sup>3</sup>	= 1.308 yd <sup>3</sup>	= 220.0 gal
1 litre	= 1.760 pint	= 0.2200 gal	= 0.035 ft <sup>3</sup>
1 gram	= 0.03527 oz	= 15.43 grains	
1 kilogram	= 2.205 lb		
1 kilowatt	= 3412 Btu/h		

## Gas rating chart natural gas

Gas rating chart for domestic gas meters (up to 6 m<sup>3</sup>/hr) which measures gas in m<sup>3</sup> Average CV = 38.76MJ/m<sup>3</sup> -1040btu/ft<sup>3</sup>

m <sup>3</sup> 2 min	kW (gross)	kW (net)
0.002	0.65	0.58
0.004	1.29	1.16
0.006	1.94	1.75
0.008	2.58	2.33
0.010	3.23	2.91
0.012	3.88	3.49
0.014	4.52	4.07
0.016	5.17	4.66
0.018	5.81	5.24
0.020	6.46	5.82
0.022	7.11	6.40
0.024	7.75	6.98
0.026	8.40	7.57
0.028	9.04	8.15
0.030	9.69	8.73
0.032	10.34	9.31
0.034	10.98	9.89
0.036	11.63	10.48
0.038	12.27	11.06
0.040	12.92	11.64
0.042	13.57	12.22
0.044	14.21	12.80
0.046	14.86	13.39
0.048	15.50	13.97
0.050	16.15	14.55

m <sup>3</sup> 2 min	kW (gross)	kW (net)
0.052	16.80	15.13
0.054	17.44	15.71
0.056	18.09	16.30
0.058	18.73	16.88
0.060	19.38	17.46
0.062	20.03	18.04
0.064	20.67	18.62
0.066	21.32	19.21
0.068	21.96	19.79
0.070	22.61	20.37
0.072	23.26	20.95
0.074	23.90	21.53
0.076	24.55	22.12
0.078	25.19	22.70
0.080	25.84	23.28
0.082	26.49	23.86
0.084	27.13	24.44
0.086	27.78	25.03
0.088	28.42	25.61
0.090	29.07	26.19
0.092	29.72	26.77
0.094	30.36	27.35
0.096	31.01	27.94
0.098	31.65	28.52
0.100	32.30	29.10

Converting from ft<sup>3</sup>/hr to m<sup>3</sup>/hr: ft<sup>3</sup>/hr ÷ 35.3 = m<sup>3</sup>/hr

Converting from m<sup>3</sup>/hr to ft<sup>3</sup>/hr: m<sup>3</sup>/hr × 35.3 = ft<sup>3</sup>/hr



m <sup>3</sup> 2 min	kW (gross)	kW (net)
0.102	32.95	29.68
0.104	33.59	30.26
0.106	34.24	30.85
0.108	34.88	31.43
0.110	35.53	32.01
0.112	36.18	32.59
0.114	36.82	33.17
0.116	37.47	33.75
0.118	38.11	34.34
0.120	38.76	34.92
0.122	39.41	35.50
0.124	40.05	36.08
0.126	40.70	36.66
0.128	41.34	37.25
0.130	41.99	37.83
0.132	42.64	38.41
0.134	43.28	38.99
0.136	43.93	39.57
0.138	44.57	40.16
0.140	45.22	40.74
0.142	45.87	41.32
0.144	46.51	41.90
0.146	47.16	42.48
0.148	47.80	43.07
0.150	48.45	43.65

m <sup>3</sup> 2 min	kW (gross)	kW (net)
0.152	49.10	42.23
0.154	49.74	44.81
0.156	50.39	45.39
0.158	51.03	45.98
0.160	51.68	46.56
0.162	52.33	47.14
0.164	52.97	47.72
0.166	53.62	48.30
0.168	54.26	48.89
0.170	54.91	49.47
0.172	55.56	50.05
0.174	56.20	50.63
0.176	56.85	51.21
0.178	57.49	51.80
0.180	58.14	52.38
0.182	58.79	52.96
0.184	59.43	53.54
0.186	60.08	54.12
0.188	60.72	54.71
0.190	61.37	55.29
0.192	62.02	55.87
0.194	62.66	56.45
0.196	63.31	57.03
0.198	63.95	57.62
0.200	64.60	58.20

## Gas rating chart

Gas rating chart for domestic gas meters (up to 212 ft<sup>3</sup>/hr) which measures gas in ft<sup>3</sup> Average CV = 38.76MJ/m<sup>3</sup> -1040btu/ft<sup>3</sup>

Sec	kW (gross)	kW (net)	Sec	kW (gross)	kW (net)
17	64.57	58.17	68	16.14	14.54
18	60.98	54.94	70	15.68	14.13
19	57.77	52.05	74	14.83	13.36
20	54.89	49.45	78	14.07	12.68
21	52.27	47.09	82	13.39	12.06
22	49.90	44.95	86	12.76	11.50
23	47.73	43.00	90	12.20	10.99
24	45.74	41.21	94	11.68	10.52
25	43.91	39.56	98	11.20	10.09
26	42.22	38.04	102	10.76	9.70
27	40.66	36.63	106	10.36	9.33
28	39.20	35.32	110	9.98	8.99
29	37.85	34.10	114	9.63	8.67
30	36.59	32.96	120	9.15	8.24
31	35.41	31.90	130	8.44	7.61
32	34.30	30.90	140	7.84	7.06
33	33.23	29.97	150	7.32	6.59
34	32.29	29.09	160	6.86	6.18
35	31.36	28.25	170	6.46	5.82
36	30.49	27.47	180	6.10	5.49
37	29.67	26.73	190	5.78	5.20
38	28.89	26.02	200	5.49	4.94
39	28.15	25.36	210	5.23	4.71
40	27.44	24.72	220	4.99	4.50
41	26.77	24.12	230	4.77	4.30
42	26.14	23.55	240	4.57	4.12
43	25.53	23.00	250	4.39	3.96
44	24.95	22.48	260	4.22	3.80
45	24.39	21.98	270	4.07	3.66
46	23.86	21.50	280	3.92	3.53
47	23.36	21.04	290	3.79	3.41
48	22.87	20.60	300	3.66	3.30
49	22.40	20.18	310	3.54	3.19
50	21.95	19.78	320	3.43	3.09
52	21.11	19.02	330	3.33	3.0
54	20.33	18.31	340	3.23	2.91
56	19.60	17.66	350	3.14	2.83
58	18.9	17.05	260	3.05	2.75
60	18.30	16.48	370	2.97	2.67
62	17.70	15.95	380	2.89	2.60
64	17.15	15.45	390	2.81	2.54
66	16.63	14.98	400	2.74	2.47

Converting from ft<sup>3</sup>/hr to m<sup>3</sup>/hr: ft<sup>3</sup>/hr ÷ 35.3 = m<sup>3</sup>/hr  
 Converting from m<sup>3</sup>/hr to ft<sup>3</sup>/hr: m<sup>3</sup>/hr × 35.3 = ft<sup>3</sup>/hr

## Useful contacts

### Head Office:

Baxi, Brooks House, Coventry Road, Warwick, CV34 4LL

Tel: 0844 871 1525 (option 6)

Email: [info@baxi.co.uk](mailto:info@baxi.co.uk)

General website: [www.baxi.co.uk](http://www.baxi.co.uk)

Specification website: [www.baxiknowhow.co.uk](http://www.baxiknowhow.co.uk)

### **heateam** aftersales service

Tel: 0844 871 1525 (option 1)

Fax: 01926 410006

Email: [info@baxi.co.uk](mailto:info@baxi.co.uk)

### Technical

Tel: 0844 871 1525 (option 2)

Fax: 01926 410006

Email: [technical.helpline@bdrthermea.com](mailto:technical.helpline@bdrthermea.com)

### Literature

Tel: 0844 871 1525 (option 3)

Email: [info@baxi.co.uk](mailto:info@baxi.co.uk)

### Training

Tel: 0845 600 7402

Email: [training.dartford@baxigroup.com](mailto:training.dartford@baxigroup.com)

Web: [www.bdrthermeaprofessionaltraining.co.uk](http://www.bdrthermeaprofessionaltraining.co.uk)

### **interpart** genuine spare parts

Tel: 0844 871 1540

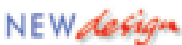
Website: [www.interpartspares.co.uk](http://www.interpartspares.co.uk)



Tel: 0845 605 4370

Email: [admin@works2gether.co.uk](mailto:admin@works2gether.co.uk)

Web: [www.works2gether.co.uk](http://www.works2gether.co.uk)



Tel: 0844 871 1538

Email: [newdesign@bdrthermea.co.uk](mailto:newdesign@bdrthermea.co.uk)

## Useful contacts



### Energy Saving Trust

Tel: 020 7222 0101

Website: [www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)



### Gas Safe Register

Tel: 0800 408 5577

Email: [enquiries@gassaferegister.co.uk](mailto:enquiries@gassaferegister.co.uk)

Web: [www.gassaferegister.co.uk](http://www.gassaferegister.co.uk)



### Chartered Institute of Plumbing & Heating Engineering

Tel: : 01708 472791

Email: [info@ciphe.org.uk](mailto:info@ciphe.org.uk)

[www.ciphe.org.uk](http://www.ciphe.org.uk)



### Association of Plumbing and Heating Contractors

Tel: 0121 711 5030

Email: [info@aphc.co.uk](mailto:info@aphc.co.uk)

Web: [www.aphc.co.uk](http://www.aphc.co.uk)



### Building & Engineering Service Association (formerly HVAC)

Tel: 020 7313 4900

Web: [www.b-es.org](http://www.b-es.org)



### Scottish & Northern Ireland Plumbing Employers Federation

Tel: 0131 556 0600

Email: [info@snipef.org](mailto:info@snipef.org)

Web: [www.snipef.org](http://www.snipef.org)



### Heating and Hot water Information Council

Tel: 01926 513777

Email: [info@hhic.org.uk](mailto:info@hhic.org.uk)

Web: [www.centralheating.co.uk](http://www.centralheating.co.uk)



### EUA (Energy & Utilities Alliance)- formerly SBGI

Tel: 01926 513765

Web: [www.sbgi.org.uk](http://www.sbgi.org.uk)



### Benchmark

Tel: 01926 513747

Email: [info@hhic.org.uk](mailto:info@hhic.org.uk)

Web: [www.centralheating.co.uk](http://www.centralheating.co.uk)



### The Microgeneration Certification Scheme

Tel: 020 7090 1082

Web: [www.microgenerationcertification.org](http://www.microgenerationcertification.org)



