A guide to our air source heat pump solutions

BAXI

Delivering sustainable warmth

Choosing more sustainable solutions for heating and hot water will be essential for us to reach net zero by 2050. That's why we've developed solutions like our air source heat pumps (ASHPs). Built for comfort, efficiency and reliability, they make a difference across every project – from single installations to large-scale developments.

Proud to drive the change for installers

With a track record in heating innovation dating back to 1866, we understand the challenges you face. Whether you're an installer that's new to ASHPs or already experienced, we offer the full package: ultra-efficient products, expert training, design and commissioning support, enhanced warranties and technical advice. We'll also help you guide tenants and homeowners get the most from their systems.

Supporting our customers

We know the pressures of rising housing demand, limited land and cost-effective delivery. That's why we work with social housing providers and developers, offering efficient products, tailored design services and long-term support to ensure compliance and performance.

Whatever size of your project, from a single unit in a bungalow to a full complex multi-occupancy project, we're here at every step. **Baxi's got you.**

From specification to technical support, handover and aftercare, we're there all the way – helping to heat homes, cut carbon, reduce energy bills and build a more sustainable future.

We're helping you support your customers in confidently and efficiently using ASHPs through clear, practical resources – including educational content, literature and videos – that make the transition to low carbon heating smoother.

Contents

Our complete ASHP solution

Whether you're experienced with ASHPs or just starting out, we're here to make the journey as simple as possible.

Training

Develop your skills and knowledge through training at all levels, including BPEC-accredited courses that can gain you entry to the Microgeneration Certification Scheme (MCS), or more in-depth training that will assist you in becoming a Baxi Heat Pump Installer. See page 44 for more information.
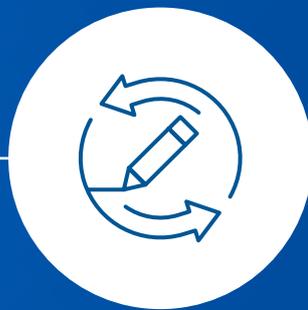
Enquiry and design

Our expert team will guide you in selecting and specifying the right solution for your project. See page 42 for more information.

If you're a non MCS-certified installer, we provide the pathway to MCS-compliant ASHP installations by taking care of the design, commissioning and paperwork on your behalf. Find out more on page 39.

Commissioning

We're here to help you commission your ASHP installations – ensuring optimum performance, efficiency and energy savings for your customers. See page 40 for more information.

Discover our **MCS Umbrella Scheme** visit baxi.co.uk/mcsumbrella

Aftersales support

Our ASHPs have 2 years' warranty as standard, with up to 7 years enhanced warranty* – all supported by Baxi Genuine Parts, which are guaranteed to work perfectly with our products. See the product pages in this guide for more information.

If you ever have any queries, our award-winning Baxi Customer Support team is always on hand to help. See the back cover of this guide for full contact details.

Loyalty scheme

Our installer loyalty scheme, Baxi Works, is designed to prioritise you, support you and reward you. This includes lead generation via the 'Find my installer' tool on Baxi's website, as well as reward points for product installations, which can be redeemed for a range of benefits. See page 46 for more information.

For contract customers, your Business Development Manager will be able to discuss how this applies to you .

* T&Cs apply.

How ASHPs work

An air source heat pump (ASHP) works by taking heat from the air, converting it into usable heat in the home, and is an ultra-efficient alternative to conventional heating. Think of it like a refrigerator in reverse, and just as reliable, efficient and quiet in operation.

1 The fan draws in ambient air from the outside, into the evaporator.

2 Liquid refrigerant absorbs the air's heat and evaporates into a vapour, even at low temperatures.

3 This vapour enters the compressor where the pressure and temperature are increased.

4 The heated refrigerant passes through the condenser, transferring heat into the home's heating and hot water system.

5 The refrigerant flow is then controlled by the expansion valve to continue heat pump operation.

Compressor

Internal heating system

Outside air

Evaporator

Condenser

Expansion Valve
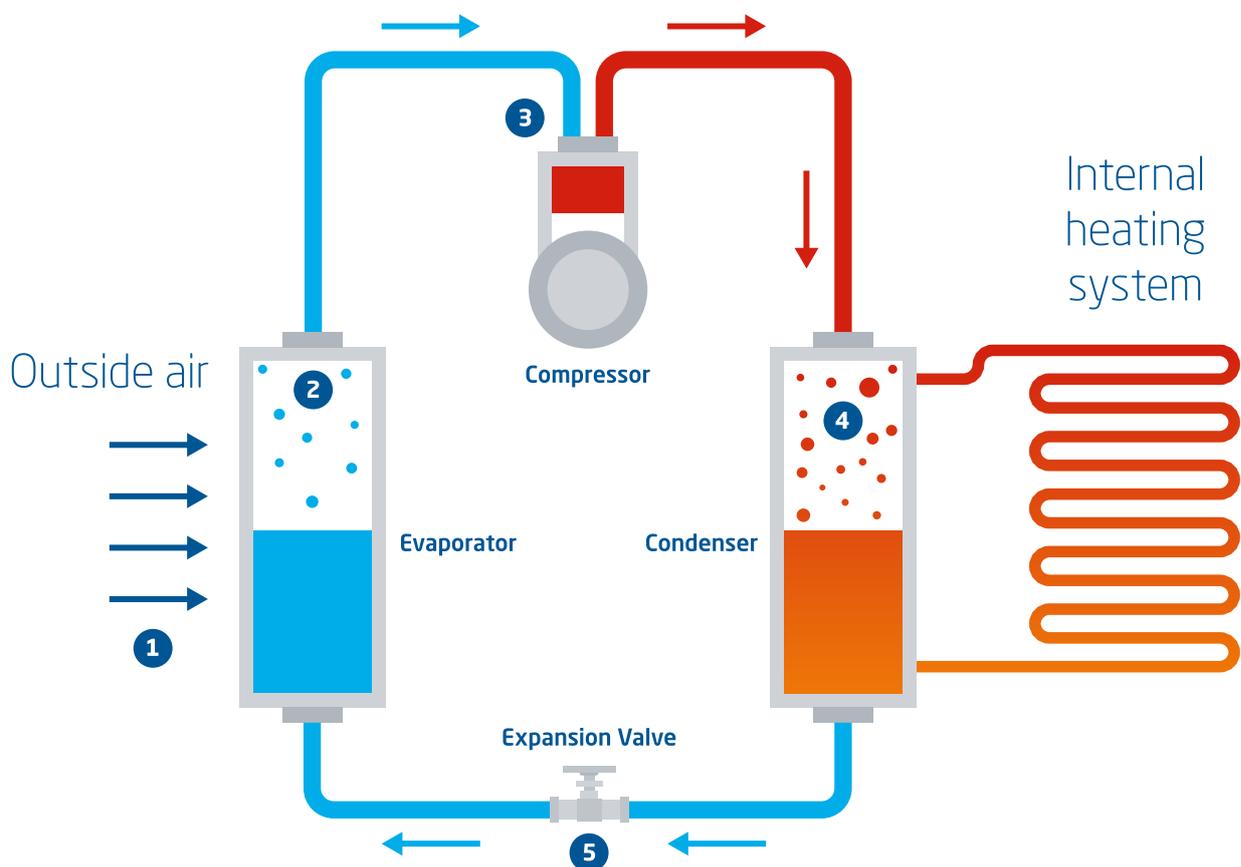
ASHP system options

An ASHP does not produce instantaneous hot water. You'll need to install a separate domestic hot water system, typically chosen from the three main types below.

First select your heat pump and then choose your system configuration below:

Standard configuration:
ASHP + ASHP Controller
+ ASHP Cylinder

Premium configuration:
ASHP + ASHP
Pre-plumbed Cylinder

Hybrid configuration:
ASHP + boiler (to provide instantaneous hot water)

① Select your ASHP

② Select your system configuration

Standard configuration:

ASHP + ASHP Controller + ASHP Cylinder

ASHP unit required:

RESIDENTIAL INSTALLERS

Baxi HP40 (4, 5, 7, 8, 11 or 13kW)
or **Baxi HP60** (4, 6, 8, 11 or 13kW).

Baxi Auriga HP (20, 26, 33 or 40kW)
or **Baxi Auriga+ HP** (20 or 30kW).

SOCIAL HOUSING PROVIDERS AND DEVELOPERS

Baxi HP50 (4, 5, 7, 8, 11 or 13kW) or
Baxi Assure HP55 (4, 6, 8, 11 or 13kW).

Baxi Auriga HP (20, 26, 33 or 40kW)
or **Baxi Auriga+ HP** (20 or 30kW).

Additional products required:

- **Baxi ASHP Controller** for HP60 and Assure HP55 (**Note:** A dedicated basic controller is already included with the HP40 and HP50 outdoor units)
- **Baxi ASHP Cylinder** (210, 250 or 300L)

Benefits:

- Low-carbon, affordable solution – each item can be purchased separately
- Can be used in bespoke layouts
- Provides constant warmth and hot water, operating down to -25°C ambient temperature
- Space-saving, single-fan monobloc design with self-contained refrigeration
- Full on-site support and commissioning service
- MCS certified for quality assurance

Premium configuration:

ASHP + ASHP Pre-plumbed Cylinder

ASHP unit required:

RESIDENTIAL INSTALLERS

Baxi HP40 (4, 5, 7, 8, 11 or 13kW)
or **Baxi HP60** (4, 6, 8, 11 or 13kW).

SOCIAL HOUSING PROVIDERS AND DEVELOPERS

Baxi HP50 (4, 5, 7, 8, 11 or 13kW) or
Baxi Assure HP55 (4, 6, 8, 11 or 13kW).

Additional products required:

- **Baxi ASHP Pre-plumbed Cylinder** (170, 210, 250 or 300L) – with integrated main controller

Benefits:

- Low-carbon solution that provides continuous warmth
- DHW cylinder is pre-plumbed and pre-wired for quick installation and compact footprint
- Pre-plumbed cylinder provides optimum efficiency and is designed to be used specifically with Baxi ASHPs
- Range of cylinder capacity options available, to suit individual design requirements
- Space-saving, single-fan monobloc design with self-contained refrigeration
- Full on-site support and commissioning service
- MCS certified for quality assurance
- Simplified installation with our Commissioning Wizard: Baxi START App

Hybrid configuration:

ASHP + boiler

The hybrid system pairs a
Baxi Assure HP55 or HP60 with
any OpenTherm-compatible gas
or oil boiler – new or existing.

Heating

- The ASHP handles the majority of
  the property's space heating needs

- The boiler provides additional back-up
  heating during colder periods or when
  the ASHP alone cannot meet the demand

Hot Water

- **Combi boiler configurations** –
  the combi boiler continues to provide
  instantaneous domestic hot water (DHW)

- **System boiler configurations** –
  the system includes an upgraded, highly
  efficient ASHP-compatible cylinder for DHW

Select a heat pump that
meets at least 55% of
the building's calculated
peak heat loss at a 55°C
flow temperature, under
design conditions.

Hybrid systems are particularly suited for:

- **Limited space** – properties that are lacking
  internal space for a DHW Cylinder, but still have
  the space for a combi boiler

- **Incremental upgrades** – situations where a full
  ASHP retrofit isn't feasible, allowing for a phased
  approach to integrating a low carbon solution

- **Older properties** – where comprehensive
  fabric upgrades are cost-prohibitive or disruptive

Combi boiler configurations

- The ASHP provides around 80% of the home's space heating needs

- The combi boiler delivers instantaneous hot water

- The boiler supplements space heating during peak demand or colder weather

- No need for a separate hot water cylinder

System boiler configurations

- The ASHP provides around 80% of the home's space heating needs

- The system boiler assists during colder periods, reducing its usage by approximately 80%

- The configuration includes an upgraded, highly efficient ASHP-compatible cylinder for DHW

Key benefits of hybrid systems

Built-in redundancy – dual systems ensure continued operation if one component fails – when used with a combi boiler

Space efficiency – perfect for homes without space for a hot water cylinder

Versatility – compatible with both combi and system boiler configurations

Lower cost – installation generally more affordable than full ASHP installations with extensive fabric upgrades

Reduced disruption – typically installed within a couple of days, minimising disruption compared to full ASHP retrofits

Full range overview

Maximum heating capacity at a glance

Baxi ASHP range of MAXIMUM **rounded heating capacity at A7/W35.** When selecting an ASHP, we recommend that you avoid sizing the ASHP too close to the maximum output to ensure performance and efficiency in 'real world conditions'.

Product	6 kW	7 kW	9 kW	10 kW
Baxi HP40-4-1-PHMB & Baxi Assure HP50-4-1-PHMB	6.3	-	-	-
Baxi HP40-5-1-PHMB & Baxi Assure HP50-5-1-PHMB	-	7.4	-	-
Baxi HP40-7-1-PHMB & Baxi Assure HP50-7-1-PHMB	-	-	9.1	-
Baxi HP40-8-1-PHMB & Baxi Assure HP50-8-1-PHMB	-	-	-	10.3
Baxi HP40-11-1-PHMB & Baxi Assure HP50-11-1-PHMB	-	-	-	-
Baxi HP40-13-1-PHMB & Baxi Assure HP50-13-1-PHMB	-	-	-	-
Baxi HP40-11-3-PHMB & Baxi Assure HP50-11-3-PHMB	-	-	-	-
Baxi HP40-13-3-PHMB & Baxi Assure HP50-13-3-PHMB	-	-	-	-
Baxi HP60-4-1-PHMB & Baxi Assure HP55-4-1-PHMB	6.9	-	-	-
Baxi HP60-6-1-PHMB & Baxi Assure HP55-6-1-PHMB	-	7.7	-	-
Baxi HP60-8-1-PHMB & Baxi Assure HP55-8-1-PHMB	-	-	-	-
Baxi HP60-11-1-PHMB & Baxi Assure HP55-11-1-PHMB	-	-	-	-
Baxi HP60-11-3-PHMB & Baxi Assure HP55-11-3-PHMB	-	-	-	-
Baxi HP60-13-1-PHMB & Baxi Assure HP55-13-1-PHMB	-	-	-	-
Baxi HP60-13-3-PHMB & Baxi Assure HP55-13-3-PHMB	-	-	-	-
Baxi Auriga HP 20T (coastal option available)	-	-	-	-
Baxi Auriga HP 26T (coastal option available)	-	-	-	-
Baxi Auriga HP 33T (coastal option available)	-	-	-	-
Baxi Auriga HP 40T (coastal option available)	-	-	-	-
Baxi Auriga+ HP 20T (coastal option available)	-	-	-	-
Baxi Auriga+ HP 30T (coastal option available)	-	-	-	-

Baxi HP40/Baxi Assure HP50 can be cascaded up to 6 units.
Baxi Auriga HP and Baxi Auriga+ HP can be cascaded up to 8 units.

Operating limits
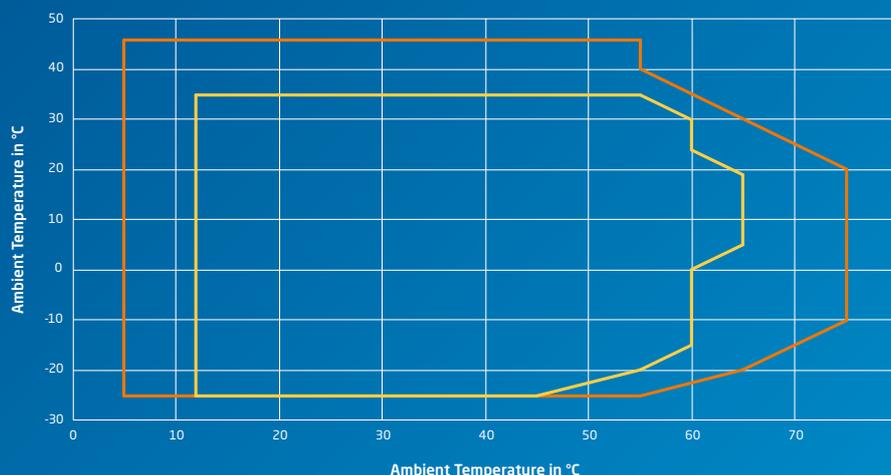
Key:

— HP40 / HP50 flow temperature

— HP60 / Assure HP55 flow temperature

Ambient Temperature in °C

11 kW	14 kW	17 kW	25-34 kW	35-44 kW	50 kW +	Refrigerant type
-	-	-	-	-	-	R32 – GWP 675
-	-	-	-	-	-	R32 – GWP 675
-	-	-	-	-	-	R32 – GWP 675
-	-	-	-	-	-	R32 – GWP 675
-	14.6	-	-	-	-	R32 – GWP 675
-	-	16.8	-	-	-	R32 – GWP 675
-	14.6	-	-	-	-	R32 – GWP 675
-	-	16.8	-	-	-	R32 – GWP 675
-	-	-	-	-	-	R290 – GWP 3
-	-	-	-	-	-	R290 – GWP 3
11.1	-	-	-	-	-	R290 – GWP 3
-	14.7	-	-	-	-	R290 – GWP 3
-	14.7	-	-	-	-	R290 – GWP 3
-	-	17.6	-	-	-	R290 – GWP 3
-	-	17.6	-	-	-	R290 – GWP 3
-	-	-	34.4	-	-	R32 – GWP 675
-	-	-	-	36.3	-	R32 – GWP 675
-	-	-	-	-	50.5	R32 – GWP 675
-	-	-	-	-	54.1	R32 – GWP 675
-	-	-	27.6	-	-	R290 – GWP 3
-	-	-	-	37.3	-	R290 – GWP 3

Mid-Temperature Monobloc ASHP

Baxi HP40 / Baxi Assure HP50

An efficient and affordable self-contained ASHP, compatible with our range of Baxi hot water cylinders and smart thermostats.

A+++ ENERGY RATING 35°C

WARRANTY UP TO FIVE YEARS* 5
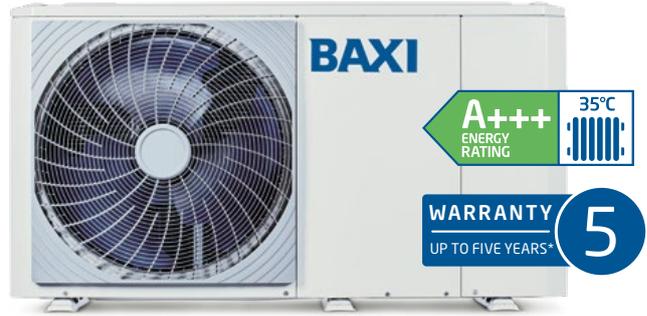
Mid-temperature ASHP

4-13kW outputs – all single phases with optional 3 phase for larger outputs

On-site commissioning support available†

Key features and benefits

In build and installation:

- Outputs of 4kW to 13kW
- Easy to install single fan monobloc units
- Flexible options to suit all siting requirements
- Available with an optional back-up heater to maintain comfort levels in very cold weather
- Easily-accessible internal components
- Self-contained R32 refrigerant, with no handling of refrigerant during installation
- Supplied with main controller, Y strainer, magnetic filter, integrated water pump and expansion vessel
- Enhances comfort and maximises efficiency by reducing flow temperatures in milder ambient temperatures

In operation and performance:

- Up to 65°C flow temperature
- DC Inverter technology gives reliable efficiency
- Excellent SCOP: up to 5.03
- A+++ ErP rating at 35°C flow temperature
- Compatible with Baxi smart thermostats, so can be controlled on the move
- Up to 5 years' enhanced warranty* for extra peace of mind
- Quiet in operation – sound power down to 55 dB (A)
- MCS-certified product range eligible for grant through the Boiler Upgrade Scheme (BUS)

Volumetrics	4kW	5kW	7kW	8kW	11kW	13kW	11kWφ	13kWφ
Height (mm)	700	700	850	850	850	850	850	850
Width (mm)	1,309	1,309	1,388	1,388	1,388	1,388	1,388	1,388
Depth (mm)	400	400	448	448	448	448	448	448
Weight (kg Net)	86	86	105	105	129	129	144	144
Weight (kg Gross)	107	107	132	132	155	155	172	172
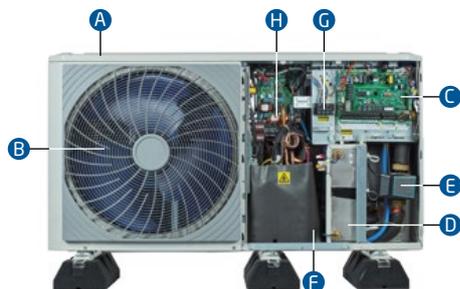
A Evaporator
B Fan
C Main board
D Condenser (Plate heat exchanger)
E Circulation Pump
F Compressor
G Power
H 4-way valve

Technical information	4kW	5kW	7kW	8kW	11kW	13kW	11kWφ	13kWφ
Baxi HP40 Mid-Temperature ASHP for residential installers - with up to 5 years' enhanced warranty*								
Product name	Baxi HP40-4-1-PHMB	Baxi HP40-5-1-PHMB	Baxi HP40-7-1-PHMB	Baxi HP40-8-1-PHMB	Baxi HP40-11-1-PHMB	Baxi HP40-13-1-PHMB	Baxi HP40-11-3-PHMB	Baxi HP40-13-3-PHMB
Product code	7830576	7830575	7830574	7830573	7830572	7830571	7830570	7830568
Baxi Assure HP50 Mid-Temperature ASHP for social housing providers and developers - with 2 years' warranty†								
Commercial name	Baxi Assure HP50-4-1-PHMB	Baxi Assure HP50-5-1-PHMB	Baxi Assure HP50-7-1-PHMB	Baxi Assure HP50-8-1-PHMB	Baxi Assure HP50-11-1-PHMB	Baxi Assure HP50-13-1-PHMB	Baxi Assure HP50-11-3-PHMB	Baxi Assure HP50-13-3-PHMB
Product code	7830577	7830578	7830579	7830580	7830581	7830582	7830583	7830584
SCOP 35°C	**4.66**	**4.77**	**5.03**	**5.03**	**4.67**	**4.49**	**4.67**	**4.49**
35°C maximum output [1]								
A-5°C W+35°C	5.02	6.14	7.69	8.80	11.3	14.0	11.3	14.0
A0°C W+35°C	5.10	6.35	8.49	9.56	12.0	14.3	12.0	14.3
A+7°C W+35°C	6.26	7.41	9.11	10.3	14.6	16.8	14.6	16.8
35°C nominal output [2]								
A-5°C W+35°C	4.37	5.26	6.69	7.66	9.05	11.2	9.05	11.2
A0°C W+35°C	4.60	5.74	7.67	8.63	9.19	10.9	9.19	10.9
A+7°C W+35°C	4.20	6.35	8.40	10.0	12.1	15.9	12.1	15.9
SCOP 45°C	**3.93**	**4.06**	**4.11**	**4.19**	**4.01**	**3.88**	**4.01**	**3.88**
45°C maximum output [1]								
A-5°C W+45°C	4.63	5.84	7.44	8.18	10.9	13.4	10.9	13.4
A0°C W+45°C	5.04	6.85	8.09	8.89	12.3	14.1	12.3	14.1
A+7°C W+45°C	5.96	7.13	8.98	10.3	14.5	16.6	14.5	16.6
45°C nominal output [2]								
A-5°C W+45°C	4.10	5.10	6.49	7.13	8.78	10.7	8.78	10.7
A0°C W+45°C	4.46	6.06	7.16	7.87	9.43	10.8	9.43	10.8
A+7°C W+45°C	4.30	6.30	8.10	10.0	12.3	16.0	12.3	16.0
SCOP 55°C	**3.19**	**3.39**	**3.23**	**3.37**	**3.34**	**3.30**	**3.34**	**3.30**
55°C maximum output [1]								
A-5°C W+55°C	4.41	5.31	7.35	7.53	10.6	12.6	10.6	12.6
A0°C W+55°C	5.13	5.42	8.11	8.18	10.8	12.8	10.8	12.8
A+7°C W+55°C	5.74	6.90	8.43	9.72	13.9	16.2	13.9	16.2
55°C nominal output [2]								
A-5°C W+55°C	3.94	4.28	5.56	6.49	8.36	9.98	8.36	9.98
A0°C W+55°C	4.43	4.75	6.33	7.30	7.93	9.77	7.93	9.77
A+7°C W+55°C	4.40	6.00	7.50	9.50	11.9	16.0	11.9	16.0
Min/max operating range (°C)	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35
Sound pressure level dB(A) @1m	45.0	47.5	48.0	50.5	53.0	57.5	53.5	58.0
Sound power level dB(A) (EN12102-1)	55	58	59	60	65	68	65	68
ErP @ 35°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
ErP @ 55°C	A++	A++	A++	A++	A++	A++	A++	A++
Power supply (V/Ph/Hz)	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
MCA (A)	12	14	16	17	25	27	10	12
TOCA (A)	18	18	19	19	30	30	14	14
MFA (A)	25	25	25	25	35	35	16	16
Flow/return connections	G 1"	G 1"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"
Internal expansion vessel (L)	8	8	8	8	8	8	8	8
Maximum water pressure (bar)	3	3	3	3	3	3	3	3
Refrigerant	R32	R32	R32	R32	R32	R32	R32	R32
Volume (kg)	1.4	1.4	1.4	1.4	1.75	1.75	1.75	1.75

* Parts-and-labour warranty is subject to terms and conditions – visit baxi.co.uk/terms for details.
† Subject to terms and conditions – visit baxi.co.uk/terms for details.
(1) Output values tested at maximum compressor frequency.
(2) Nominal values under test conditions EN14825:2013.

Scan here for more information

Baxi HP40 / Baxi Assure HP50 accessories

Product code	Description	Comments	Standard config.	Premium config.
ASHP Controller and Cylinder				
7890025	Baxi ASHP Control	An HMI is already provided with the HP40 and HP50, however you can choose to use this more advance controller. More details can be found on page 26.	🟠	
7837416	Baxi ASHP Cylinder 210L	2m² coil – Standard Installation Kit includes: 18L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual.	🔵	
7837491	Baxi ASHP Cylinder 250L	3m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual.	🔵	
7837562	Baxi ASHP Cylinder 300L	3m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual.	🔵	
7853985	Baxi ASHP Pre-plumbed Cylinder 170L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 2m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual.		🔵
7853986	Baxi ASHP Pre-plumbed Cylinder 210L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 2m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual.		🔵
7853987	Baxi ASHP Pre-plumbed Cylinder 250L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 3m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual.		🔵
7853988	Baxi ASHP Pre-plumbed Cylinder 300L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 3m² coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual.		🔵
Outside installation				
7816801	Rubber Support For ODU 600mm (3 Pack)	Dimension: 600Lx170W, 100H mm each. Required to provide minimum clearance off ground while allowing access to under the HP for drainage of condensate. This also provides noise reduction. This is a set of 3 for each chassis mounting points.	🔵	🔵
100001369	Hoses 1" Heat Pump	Flexible hoses 870mm, pre-insulated. Will fit 4 and 5kWs.	🔵	🔵
7902049	1" Antifrost Caleffi valve kit	Frost protection valve 1". Set consists of 2 pieces. Will fit 4 to 5kWs. If you do not use those, please make sure you use glycol in your system.	🔵	🔵
7842647	1¼" Antifrost Caleffi valve kit	Frost protection valve 1¼". Set consists of 2 pieces. Will fit 7kWs and larger outputs. If you do not use those, please make sure you use glycol in your system.	🔵	🔵
Hydronic accessories				
7901289	Additional Zone Accessory Kit	For the Baxi ASHP Pre-plumbed Cylinder. Enables control of Central Heating across additional zones.		🔵
7859015	Temperature Probe Extension 20m	For first fix or as an alternative to the 10m DHW temperature probe already supplied between a standard ASHP cylinder and the HP40 and HP50's basic controller.	🟠	
100000030	Sensor DHW and TAS AD212	If you choose to use the ASHP Control, this is included in its box. If needed for first fix, please order the 5m length DHW Sensor + connector to our PCB.	🟠	
7768655	40L Buffer Tank	This is to ensure minimum system volume for proper compressor and defrost operations as well as providing a hydronic pressure break. System volume needs to be calculated. Typically used with 7kWs and more ASHP.	🔵	
7746242	Differential valve	G¾" male. Used to protect the ASHP and system components as zones shut down by bypassing the heating circuit.	🔵	🔵
100020167	Hydraulic Module 1 direct circuit	Module used after hydronic pressure break for system circulation. This module would be used for a single heating zone setup, or for a direct circuit (no mixing) as part of a multiple zone heating system. Includes circulating pump and built-in thermometers to check flow and return temperatures. Can be used in conjunction with the wall mounting ref 100020166.	🔵	
100020168	Hydraulic Module 1 mixed circuit	Module used after hydronic pressure break for a mixed circuit in a multiple zone system setup. Includes motorised mixing valve, circulating pump and built-in thermometers to check flow and return temperatures. Can be used in conjunction with the wall mounting ref 100020166.	🔵	

Product code	Description	Comments	Standard config.	Premium config.
Hydronic accessories (continued)				
7616233	Hydraulic Module 1 direct + 1 mixed circuit	Kit including 2x modules consisting of a direct central heating circuit with pump and a mixed central heating circuit with motorised mixing valve and pump. Also as part of this kit, comes an integrated collector.	●	
100020164	Collector for 2 circuits	Insulated collector for 2x heating circuits when purchasing hydraulic modules separately (100020165 wall brackets below also required).	●	
100020165	Wall brackets for collectors	Set of wall brackets for collector (product code: 100020164).	●	
100020166	Wall brackets for collectors	Mounting plate and fittings for 1x hydraulic module. Can be used in conjunction with 100020167 or 100020168.	●	
7854127	Open distributor (6 connections)	Insulated decoupling bottle typically used in a hybrid system setup. Built-in bracket and fixing screws for wall hanging included. Optional wall bracket available: 100020165.	●	
Connectivity accessories				
7814703	GTW-IOT – Gateway Wi-Fi	When used with the ASHP Control: plug in box to have access to the Commissioning Wizard App: Baxi START. Works with the Baxi ASHP Control and the Baxi Pre-plumbed Cylinder to have your ASHP remote connectivity ready. Commissioning Wizard App available as standard with the Baxi ASHP Pre-plumbed Cylinder.	●	
7842667	Pulse-meter kit	This is for high accuracy energy monitoring when used with the Baxi ASHP Control.	●	
100019114	Hygro Sensor Kit For Cooling	This is used when cooling via underfloor heating (underfloor heating system only) to prevent condensation in cooling mode – on/off.	●	
7622433	Set humidity sensor 0-10V HZ64	This is used when cooling via underfloor heating (underfloor heating system only) to prevent condensation in cooling mode – 0-10V.	●	
Back up heaters				
7708345	Set Backup Elec Connect EH904	Relay for DHW immersion that **must** be used if there is no other backup.	●	
7755564	Electrical Back-Up Heater 3kW	Standalone wall-hung back-up heater.	●	
7755565	Electrical Back-Up Heater 4.5kW	Standalone wall-hung back-up heater.	●	
Thermostats				
7896911	Baxi OpenTherm RF Thermostat (Single Channel)	It is a wireless and user-friendly digital RF programmable room thermostat and receiver. It is designed for controlling one or more heating zones.	●	●
7896912	Baxi RF Thermostat (Twin Channel)	This is a 2 zone control pack consisting of a wireless programmer and room thermostat.	●	●
Other things to consider for your installation				
	Power cable for ASHP	Please refer to manufacturer's instructions for specific cable sizing depending on the model of ASHP.	●	●
	Power cable for Baxi ASHP Control	3 x 0.75 mm^2	●	●
	Power cable for Baxi Pre-plumbed Cylinder (contactor)	Minimum 16A.		●
	Communication cable between Baxi ASHP Control and ASHP ODU	3 x 0.75 mm^2 shielded. 30m maximum length.	●	●
	Piping insulation on external and internal pipes	Install all pipework in accordance with relevant regulatory standards.	●	●
	Volumiser	Typically used in conjunction with our Pre-plumbed Cylinder where there is already an integrated Low Loss Header.	●	●
	Outdoor sensor cable	2 x 0.35 mm^2 – This should not be longer than 30 metres. Not required when using basic control supplied with HP40/50.	●	●

● Accessory is compatible.

● Please read the comment section for this product, or seek further guidance from our technical teams.

High-Temperature Monobloc ASHP

Baxi HP60 / Baxi Assure HP55

A self-contained high temperature ASHP that's also high in performance and efficiency. Contains sustainable R290 refrigerant and operates at a quiet volume.

A+++ ENERGY RATING 35°C

A+++ ENERGY RATING 55°C

WARRANTY UP TO SEVEN YEARS* 7

High temperature ASHP

Extremely quiet

Easy to install

Key features and benefits

In build and installation:

- Wide range of outputs from 4kW to 13kW

- Very low GWP (Global warning Potential) of only 3

- Compatible with Baxi ASHP Pre-plumbed Cylinder and Baxi ASHP Cylinder

- Comes with integrated expansion vessel and water pump as well as a Y strainer and a magnetic filter

- Baxi START Commissioning Wizard App – for fast and easy set up of the ASHP when used with the Baxi ASHP Pre-plumbed Cylinder

- On-site commissioning support available†

In operation and performance

- High temperature ASHP capable of 75°C at -10°C outside

- Efficient unit – A+++ up to 8kW at W55°C

- Very quiet operation – from 40 dB(A) at 1m, which is the equivalent of a refrigerator hum

- High temperature: DHW heating without the need for immersion heater

- Compatible with Baxi smart thermostats, so can be controlled on the move

- Up to 7 years' enhanced warranty* for extra peace of mind

- MCS-certified product range eligible for grant through the Boiler Upgrade Scheme (BUS)

Volumetrics	4kW	6kW	8kW	11kW	13kW	11kWφ	13kWφ
Height (mm)	725	725	872	872	872	872	872
Width (mm)	1,301	1,301	1,390	1,390	1,390	1,390	1,390
Depth (mm)	426	426	523	523	523	523	523
Weight (kg Net)	94	94	121.5	139.5	139.5	141.5	141.5
Weight (kg Gross)	114	114	143.5	161.5	161.5	163.5	163.5
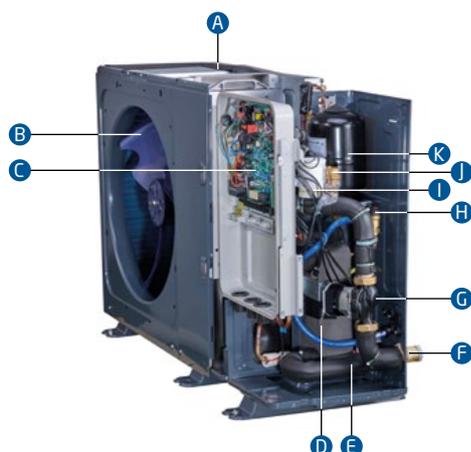
A Evaporator

B Fan

C Main board

D Condenser (Plate heat exchanger)

E Water inlet pipe

F Flow connection

G Circulation pump

H Pressure relief valve

I Flow switch

J Automatic air vent

K 8L Expansion Vessel

Technical information	4kW	6kW	8kW	11kW	13kW	11kWφ	13kWφ
Baxi HP60 High-Temperature ASHP for residential installers – with up to 7 years' enhanced warranty*							
Commercial name	HP60-4-1-PHMB	HP60-6-1-PHMB	HP60-8-1-PHMB	HP60-11-1-PHMB	HP60-13-1-PHMB	HP60-11-3-PHMB	HP60-13-3-PHMB
Product code	7899694	7899695	7899696	7899697	7899699	7899698	7899700
Baxi Assure HP55 High-Temperature ASHP for social housing providers and developers – with 2 years' warranty*							
Commercial name	Assure HP55-4-1-PHMB	Assure HP55-6-1-PHMB	Assure HP55-8-1-PHMB	Assure HP55-11-1-PHMB	Assure HP55-13-1-PHMB	Assure HP55-11-3-PHMB	Assure HP55-13-3-PHMB
Product code	7899701	7899702	7899703	7899704	7899706	7899705	7899707
SCOP 35°C	**5.34**	**5.22**	**5.20**	**4.77**	**4.70**	**4.77**	**4.70**
35°C maximum output [1]							
A-5°C W+35°C	5.91	6.63	9.72	11.82	14.83	11.82	14.83
A0°C W+35°C	6.28	7.22	10.33	13.14	16.13	13.14	16.13
A+7°C W+35°C	6.86	7.70	11.05	14.72	17.57	14.72	17.57
35°C nominal output [2]							
A-5°C W+35°C	4.12	5.98	8.10	10.37	11.94	10.37	11.94
A0°C W+35°C	4.29	5.91	8.15	10.97	12.54	10.97	12.54
A+7°C W+35°C	4.40	6.26	8.50	11.50	13.50	11.50	13.50
SCOP 45°C	**4.40**	**4.35**	**4.34**	**4.09**	**4.06**	**4.09**	**4.06**
45°C maximum output [1]							
A-5°C W+45°C	5.65	6.33	9.49	11.32	14.22	11.32	14.22
A0°C W+45°C	5.99	6.88	10.02	12.58	15.49	12.58	15.49
A+7°C W+45°C	6.55	7.35	10.47	14.06	16.85	14.06	16.85
45°C nominal output [2]							
A-5°C W+45°C	3.97	5.71	8.00	10.40	12.89	10.40	12.89
A0°C W+45°C	4.35	6.03	8.07	11.00	12.91	11.00	12.91
A+7°C W+45°C	4.40	6.30	8.23	11.50	13.50	11.50	13.50
SCOP 55°C	**3.99**	**3.90**	**3.89**	**3.75**	**3.73**	**3.75**	**3.73**
55°C maximum output [1]							
A-5°C W+55°C	5.15	5.79	8.40	11.02	12.95	11.02	12.95
A0°C W+55°C	5.68	6.57	9.16	12.14	14.64	12.14	14.64
A+7°C W+55°C	6.20	6.97	10.17	13.61	16.40	13.61	16.40
55°C nominal output [2]							
A-5°C W+55°C	4.28	5.44	7.29	10.30	11.50	10.30	11.50
A0°C W+55°C	4.40	5.50	7.52	10.80	12.78	10.80	12.78
A+7°C W+55°C	4.40	6.10	8.00	11.50	13.50	11.50	13.50
Min/max operating range (°C)	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35	-25/+35
Sound pressure level dB(A) @1m	40.0	40.0	41.0	44.0	44.0	44.0	44.0
Sound power level dB(A) (EN12102-1)	48.0	48.0	49.0	52.0	52.0	52.0	52.0
ErP @ 35°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++
ErP @ 55°C	A+++	A+++	A+++	A++	A++	A++	A++
Power supply (V/Ph/Hz)	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
MCA (A)	12	14	18	25	28	8.5	9.5
TOCA (A)	15	15	19	31	31	11	11
MFA (A)	16	16	20	32	32	16	16
Flow/return connections	G 1"	G 1"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"
Internal expansion vessel (L)	8 L	8 L	8 L	8 L	8 L	8 L	8 L
Maximum water pressure (bar)	3	3	3	3	3	3	3
Refrigerant	R290	R290	R290	R290	R290	R290	R290
Volume (kg)	0.7	0.7	1.1	1.25	1.25	1.25	1.25

† Terms and conditions apply.

* Parts-and-labour warranty is subject to terms and conditions – visit baxi.co.uk/terms for details.

(1) Output values tested at maximum compressor frequency.

(2) Nominal values under test conditions EN14825:2013.

Scan here for more information

Baxi HP60 / Baxi Assure HP55 accessories

Product code	Description	Comments	Standard config.	Premium config.	Hybrid config.
ASHP Controller and Cylinder					
7890025	Baxi ASHP Control	Required for use with HP60 and Assure HP55 if they are not being fitted with a Baxi ASHP Pre-plumbed Cylinder. More details can be found on page 26.	●		●
7837416	Baxi ASHP Cylinder 210L	2m^2 coil – Standard Installation Kit includes: 18L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.	●		
7837491	Baxi ASHP Cylinder 250L	3m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.	●		
7837562	Baxi ASHP Cylinder 300L	3m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Cold Control Pack, Three Port Diverter Valve, Immersion Contactor and Contactor Mounting Box – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.	●		
7853985	Baxi ASHP Pre-plumbed Cylinder 170L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 2m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.		●	
7853986	Baxi ASHP Pre-plumbed Cylinder 210L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 2m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.		●	
7853987	Baxi ASHP Pre-plumbed Cylinder 250L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 3m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.		●	
7853988	Baxi ASHP Pre-plumbed Cylinder 300L	Pre-plumbed and pre-wired cylinder with an integrated Bluetooth-enabled controller, Low Loss Header and back-up heater. 3m^2 coil – Standard Installation Kit includes: 24L External Expansion Vessel, Primary Flow Connection Kit, Mains Water Connection Kit, outdoor temperature sensor and PRV Connection Kit – for more details please consult the product manual. For hybrid installation, usually a combi boiler is used instead of a cylinder – however, depending on your hydraulic installation, you can decide to also place this product.		●	
Outside installation					
7816801	Rubber Support For ODU 600mm (3 Pack)	Dimension: 600Lx170W, 100H mm each. Required to provide minimum clearance off ground while allowing access to under the HP for drainage of condensate. This also provides noise reduction. This is a set of 3 for each chassis mounting points.	●	●	●
100001369	Hoses 1" Heat Pump	Flexible hoses 870mm, pre-insulated. Will fit 4 and 6kWs.	●	●	●
7902049	1" Antifrost Caleffi valve kit	Frost protection valve 1". Set consists of 2 pieces. Will fit 4 to 6kWs. If you do not use those, please make sure you use glycol in your system.	●	●	●
7842647	1¼" Antifrost Caleffi valve kit	Frost protection valve 1¼". Set consists of 2 pieces. Will fit 7kWs and larger outputs. If you do not use those, please make sure you use glycol in your system.	●	●	●
Hydronic accessories					
7901289	Additional Zone Accessory Kit	For the Baxi ASHP Pre-plumbed Cylinder. Enables control of Central Heating across additional zones.		●	
100000030	Sensor DHW and TAS AD212	If you choose to use the ASHP Control, this is included in its box. If needed for first fix, please order the 5m length DHW Sensor + connector to our PCB.	●		●

Product code	Description	Comments	Standard config.	Premium config.	Hybrid config.
Hydronic accessories (continued)					
7768655	40L Buffer Tank	This is to ensure minimum system volume for proper compressor and defrost operations as well as providing a hydronic pressure break. System volume needs to be calculated. Typically used with 8kWs and more ASHP.	●		🟠
7746242	Differential valve	G¾" male. Used to protect the ASHP and system components as zones shut down by bypassing the heating circuit.	●	●	●
100020167	Hydraulic Module 1 direct circuit	Module used after hydronic pressure break for system circulation. This module would be used for a single heating zone setup, or for a direct circuit (no mixing) as part of a multiple zone heating system. Includes circulating pump and built-in thermometers to check flow and return temperatures. Can be used in conjunction with the wall mounting ref 100020166.	●		●
100020168	Hydraulic Module 1 direct circuit + Pump	Module used after hydronic pressure break for a mixed circuit in a multiple zone system setup. Includes motorised mixing valve, circulating pump and built-in thermometers to check flow and return temperatures. Can be used in conjunction with the wall mounting ref 100020166.	●	●	
7616233	Hydraulic Module 1 direct + 1 mixed circuit	Kit including 2x Hydraulic module consisting of a direct central heating circuit with pump and a mixed central heating circuit with motorised mixing valve and pump. Also as part of this kit, comes an integrated collector.	●		●
100020164	Collector for 2 circuits	Insulated collector for 2x heating circuits when purchasing hydraulic modules separately. (100020165 wall brackets below also required).	●		●
100020165	Wall brackets for collectors	Set of wall brackets for collector (product code: 100020164).	●		●
100020166	Wall brackets for collectors	Mounting plate and fittings for 1x hydraulic module. Can be used in conjunction with 100020167 or 100020168.	●		●
7854127	Open distributor (6 connections)	Insulated decoupling bottle typically used in a hybrid system setup. Built-in bracket and fixing screws for wall hanging included.	●		●
Connectivity accessories					
7814703	GTW-IOT – Gateway Wi-Fi	When used with the ASHP Control: plug in box to have access to the Commissioning Wizard App: Baxi START. Works with the Baxi ASHP Control and the Baxi Pre-plumbed Cylinder to have your ASHP remote connectivity ready. Commissioning Wizard App available as standard with the Baxi ASHP Pre-plumbed Cylinder.	●		●
7842667	Pulse-meter kit	This is for high accuracy energy monitoring when used with the Baxi ASHP Control.	●	●	●
100019114	Hygro Sensor Kit For Cooling	This is used when cooling via underfloor heating (underfloor heating system only) to prevent condensation in cooling mode – on/off.	●		
7622433	Set humidity sensor 0-10V HZ64	This is used when cooling via underfloor heating (underfloor heating system only) to prevent condensation in cooling mode – 0-10V.	●		
Back up heaters					
7708345	Set Backup Elec Connect EH904	Relay for DHW immersion that **must** be used if there is no other backup.	●		
7755564	Electrical Back-Up Heater 3kW	Standalone wall-hung back-up heater.	●		
7755565	Electrical Back-Up Heater 4.5kW	Standalone wall-hung back-up heater.	●		
Other things to consider for your installation					
	Power cable for ASHP	Please refer to manufacturer's instructions for specific cable sizing depending on the model of ASHP.	●	●	●
	Power cable for Baxi ASHP Control	3 x 0.75 mm²	●	●	●
	Power cable for Baxi Pre-plumbed Cylinder (contactor)	Minimum 16A		●	
	Communication cable between Baxi ASHP Control and ASHP ODU	3 x 0.75 mm² shielded. 30m maximum length.	●	●	●
	Piping insulation on external and internal pipes	Install all pipework in accordance with relevant regulatory standards.	●	●	●
	Volumiser	Typically used in conjunction with our Pre-plumbed Cylinder where there is already an integrated Low Loss Header.	🟠	●	🟠
	Outdoor sensor cable	2 x 0.35 mm² – This should not be longer than 30 metres.	●	●	●

● Accessory is compatible.

🟠 Please read the comment section for this product, or seek further guidance from our technical teams.

Hot Water Cylinders

Baxi ASHP Cylinder

An efficient cylinder with high surface area heat exchanger and built-in back-up immersion heater, delivering exceptional performance.

B ENERGY RATING

C ENERGY RATING

WARRANTY TWO YEARS* **2** AS STANDARD

WARRANTY TEN YEARS* **10** ON THE INNER SS TANK

High surface area heat exchanger

Corrosion resistant

Easy to install

Key features and benefits

In build and installation:

- Models available in 210, 250 or 300 litre volumes
- Corrosion-resistant stainless steel build – made by the experts at Baxi
- High surface area heat exchanger specifically designed to work efficiently with ASHPs
- In-built back-up immersion heater to support heat pumps for a reliable supply of hot water

In operation and performance:

- In-built interdependent boost heater for rapid hot water production
- Secondary return for faster delivery of hot water to taps with long pipe runs
- 60mm of injected foam insulation gives optimum heat retention
- 2 years warranty as standard, with 10 years on the inner stainless steel tank*

Components

The Baxi ASHP Cylinder is supplied with the following components as standard:

Cold control pack including:

- Tundish
- 3.5 bar Pressure Reducing Valve
- 6 bar Pressure Relief Valve
- 3 port Motorised Diverter Valve
- Element spanner tool

- DHW Expansion Vessel with brackets
- Signal cable 13m (DHW Sensor)
- Compression nuts & olives

Immersion Heater Relay Kit:

- Immersion Heater Relay, Immersion Heater, Relay Box and DHW Temperature Probe

Technical information	210L	250L	300L
Baxi ASHP Cylinder for residential installers - with 2 years' warranty as standard, and 10 years on the inner SS tank*			
Product code	7837416	7837491	7837562
Baxi Assure ASHP Cylinder for social housing providers and developers - with 2 years' warranty as standard, and 10 years on the inner SS tank*			
Product code	7837415	7837492	7837563
Nominal capacity (litres)	210	250	300
Storage volume in litres	209	246	287
Hot water capacity (volume to >40 °C) litres	204	242	289
Insulation thickness (mm)	60	60	60
Lower immersion heater rating (kW)	3	3	3
Upper immersion heater rating - boost (kW)	3	3	3
Coil heat up time (mins)[†]	21.5	22.8	27.8
Immersion heat up times (min) - Boost immersion [1]	67	67	67
Coil surface area (m²)	2	3	3
Coil rating (kW)[†]	33.2	36.8	35.5
Pressure drop through coil (mbar) [†]	0.09	0.12	0.12
Standing heat loss (kWh/24h)	1.5	1.78	2.05
Energy efficiency class [2]	B	C	C
Secondary return (Y or N)	Y	Y	Y
Connections type	3/4" BSP male flow and return 22mm-3/4" BSP male cold water inlet 22mm-3/4" BSP male DHW outlet	3/4" BSP male flow and return 22mm-3/4" BSP male cold water inlet 22mm-3/4" BSP male DHW outlet	3/4" BSP male flow and return 22mm-3/4" BSP male cold water inlet 22mm-3/4" BSP male DHW outlet
External expansion sizes (L)	18	24	24

Volumetrics	210L	250L	300L
Full weight (kg)	255	300	349
Height (mm)	1,516	1,767	2,082
Diameter (mm)	579	579	579
Empty weight (kg)	46	54	62

* Parts-and-labour warranty is subject to terms and conditions – visit baxi.co.uk/terms for details.
(1) Temperature rise 50°C (10 - 60°C).
† @15L/min, Cylinders tested in conformance to Annex A, BS EN 12897:2016.
(2) In accordance with European Commission regulations 814/2013 and 812/2013.

Scan here for more information

Hot Water Cylinders

Baxi ASHP Pre-plumbed Cylinder

Designed to work seamlessly with Baxi ASHPs, our pre-plumbed, pre-wired cylinder makes installation quicker and easier without compromising performance.

B ENERGY RATING

C ENERGY RATING

WARRANTY TWO YEARS* **2** AS STANDARD

WARRANTY TEN YEARS* **10** ON THE INNER SS TANK

Pre-plumbed and pre-wired for quicker, easier installation

Integrated controller for DHW and CH zones

Built-in Bluetooth connectivity

Available in volumes from 170-300 litres for flexible design, our cylinders come supplied pre-plumbed and pre-wired for a quicker and easier installation process to save you time and effort.

The high grade duplex stainless steel offers longevity and quality, and the efficient 60mm PU insulation provides minimal heat loss giving an ErP Class B.#

With a high surface area heat exchanger offering fast recovery times, the Baxi ASHP Pre-plumbed Cylinder delivers reliable hot water, making it a great energy-efficient choice for homes.

Built-in Bluetooth connectivity enables easy access to commissioning and servicing information via the Baxi START App. The integrated controller features intuitive user controls for optimal performance of DHW & CH systems.

The Baxi ASHP Pre-plumbed Cylinder comes with an Installation Kit containing additional parts required for installation including Primary Flow Connection Kit, Mains Water Connection Kit, PRV Connection Kit and DHW Expansion Vessel.

Key features and benefits

In build and installation:

- Available in 170, 210, 250 or 300 litres
- Pre-plumbed and pre-wired for quicker and easier installation process
- Manufactured from duplex stainless steel for superior quality and corrosion resistance
- High surface area heat exchanger specifically designed to be used with ASHPs
- Compact footprint, enabling installation into standard airing cupboard and other compact spaces
- In-built back-up immersion heater to support ASHPs for reliable hot water supply
- Other integrated components include: Bluetooth-enabled controller, 3 Port Valve, Low Loss Header, System Circulating Pump and connection for optional volumiser
- Additional zone accessory kit available

In operation and performance:

- Intuitive ASHP Controller enabling direct control of domestic hot water and up to three heating zones
- High flow rate, perfect for homes with multiple bathrooms
- Delivers up to 76L/min of hot water at 3 bar pressure
- Extra-large coil for faster water heat-up times and more usable hot water
- Built-in Bluetooth connectivity enables easy access to commissioning and servicing information via the Baxi START App
- Remote temperature control for homeowner if used in conjunction with the MyBaxi App
- Highly efficient PU insulation for minimal heat loss, ErP Class B#
- 2-year warranty as standard, with 10-years on the inner stainless-steel tank*

Technical information	170L	210L	250L	300L
Baxi ASHP Pre-plumbed Cylinder for residential installers, social housing providers and developers – with 2 years' warranty as standard, and 10 years on the inner SS tank*				
Product code	7853985	7853986	7853987	7853988
Nominal capacity (L)	170	210	250	300
Storage V in litres @ 3 bar	167	209	246	287
Hot water capacity (volume to >40 °C) litres [1]	239	293	333	417
Insulation thickness (mm)	60	60	60	60
Immersion element rating (kW @240V)	3	3	3	3
Coil heat-up times (mins)**	18.7	21.8	23	27.5
Heat up times based on max immersion input (mins)***	195	67	67	67
Coil surface area (m²)	2	2	3	3
Coil rating (kW) [2]	31.3	32.5	37	37.9
Pressure drop through coil (Bar) [2]	0.09	0.09	0.12	0.12
T&P pressure setting (bar)	10	10	10	10
T&P temperature setting (°C)	90	90	90	90
Pressure reducing valve (bar)	3	3	3	3
Pressure (expansion) relief setting (bar)	6	6	6	6
Max flow rate (L/min)	76	76	76	76
Standing heat loss per day (kWh/24h)	1.38	1.64	1.86	2.02
Energy efficiency class [3]	B	B	C	C
Connections type	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet
External expansion sizes (L)	24	24	24	24

Volumetrics	170L	210L	250L	300L
Height (mm)	1,280	1,516	1,767	2,082
Width (mm)	699	699	699	699
Diameter (mm)	579	579	579	579
Weight empty (kg)	61	68	74	83
Weight (kg)	228	277	320	370

* Parts-and-labour warranty is subject to terms and conditions – visit baxi.co.uk/terms for details.
\# ErP Class B on 170L and 210L models only.
(1) According to BS EN 16147.
** Coil heat-up times @15l/min.
*** Temperature rise 50° (10° - 60°).
(2) Cylinder tested in conformance to Annex A, BS EN 12897:2016.
(3) In accordance with European Commission regulations 814/2013 and 812/2013.

Scan here
for more
information

Baxi ASHP Control

Available on its own or pre-fitted to the Baxi ASHP Pre-plumbed Cylinder, the Baxi ASHP Control manages heat pump performance and helps lower running costs in hybrid set-ups.

Optimises ASHP performance and efficiency

Simplified wiring

Easy to commission

Supports energy management

Integrating with our ASHPs

To operate our ASHP monoblocs, a controller is needed. The Baxi ASHP Control has been designed to work with the HP40, HP50, HP60 and Assure HP55 ranges of air source heat pumps. The Baxi ASHP Control offers functionalities such as:

HP40 / HP50

A standard controller is provided in the box with our HP40/50 ASHP.

The standard controller offers functionalities such as:

- Setting water temperature (water flow and DHW tank)
- Screed drying
- Anti-legionella function

HP60 / Assure HP55

- User-friendly, intuitive control
  Clear screen with simple dial control

- 1 cable simple connection to the ODU
  This ASHP Control is a hub where is all cables are connected to it inside the home

- Heating curve for each zone

- R-Bus: uSense connected room thermostat, 24 V on/off thermostat, OpenTherm thermostat

- uSense: outdoor sensor and feedback on ambient temperature that will regulate in an optimised way the ASHP functionality

- Setting water temperature (water flow and DHW tank)

- Screed drying

- Low noise mode

- Energy management monitoring

- Anti-legionella function

- 3 pump zones functionality

Scan here for more information

Smart Room Thermostat

Baxi uSense 2

- Allows users to manage heating and hot water remotely via the My Baxi App, to maximise comfort and efficiency
- Set daily routines or activate Holiday Mode to save energy while away
- Track usage and get personalised tips to cut waste and manage costs
- Simple, intuitive design – clear display, easy knob control and straightforward menu – no tech skills needed

Features comparison

	Baxi uSense 2 Smart Thermostat*	Baxi OpenTherm RF Thermostat (Single channel)* Central heating only	Baxi RF Programmer (Twin channel)
Connectivity			
IoT Cloud	●		
Wi-Fi	●		
OpenTherm®	●	●	
Optimum Start		●	●
TPI		●	●
On/Off control		●	●
App			
My Baxi App	●		

To operate the heat pump on the go please download My Baxi App

Scan here to download the My Baxi App for Android

Scan here to download the My Baxi App for Apple iOS

Functionality for end users

Control your heating on a smartphone or tablet via the My Baxi App	●		
Set heating schedules for every day, maximising comfort and efficiency	●	●	●
Monitor central heating and hot water energy consumption	●		
For hybrid: Boiler Plus compliant when fitted with the new Baxi Combi 2 ranges	●	●	●
Voice activated control via Google Assistant, IFTTT or Amazon Alexa	●		
Holiday mode reduces the temperature while you are away and restores your heating schedule for your return – saving you money	●	●	●
Change hot water flow temperature and turn heating on / off via the My Baxi App (Summer / Winter Mode)	●		
Portable or room mounted (accessory stand provided as standard)		●	●
Warranty parts only	2 years	5 years	5 years

● Accessory is compatible.   ● Please read the comment section for this product, or seek further guidance from our technical teams.

* Single channel controls can be used on stored water solutions, however an additional hot water control is required.

Mid-Temperature ASHP

Baxi Auriga HP

The Auriga HP is a monobloc design, self-contained heat generator, extracting heat from the atmosphere and amplifying it using R32 refrigerant compression.

A++ ENERGY RATING

Flexible output options	**High seasonal operating efficiencies**	**Reduced noise operation**	**Coastal protection models available**

The Baxi Auriga Mid-Temperature Air Source Heat Pump is perfect for both space heating and hybrid heating systems in larger buildings requiring higher kW demand. The Auriga HP can generate temperatures of up to 60°C and deliver SCOPs of up to 4.83.

Scan here for more information

Key features and benefits

- Available in four outputs – 20, 26, 33 and 40kW
- Generates up to 60°C hot water temperature
- SCOP of up to 483
- Inverter driven scroll compressor
- 65 dBA (noise pressure at 5m is 43 dBA)
- Perfectly suited to built-up areas
- Coastal models resist corrosion caused by salt, moisture and sea air
- BMS connectivity through ModBus or using a 0-10V signal
- Compatible with cascade or hybrid system controls

Baxi Auriga and Auriga+ ASHPs
are designed to be integrated seamlessly into new-build or retrofit projects, and as either a standalone or hybrid system.

High-Temperature ASHP

Baxi Auriga+ HP

The Auriga+ HP uses R290 low-GWP natural refrigerant to provide high temperature outputs at low ambient temperatures, and is perfect for ultra-efficient heating.

A+++ ENERGY RATING

Perfect for DHW production

Stands up to colder climates

High seasonal operating efficiencies

Coastal protection models available

The Baxi Auriga HP+ High-Temperature Air Source Heat Pump is designed for high-efficiency heating and hot water applications. For larger properties, it's ideal for both fully-electric and hybrid heating systems. The Auriga HP+ can generate temperatures of up to 80°C and deliver SCOPs of up to 5.17.

Scan here for more information

Key features and benefits

- Available in two outputs – 20 and 30kW
- Generates up to 80°C hot water temperature
- Operation down to -20°C ambient temperature
- SCOP of up to 517
- Greater compressor efficiency
- Coastal models resist corrosion caused by salt, moisture and sea air
- <65 dBA (noise pressure at 5m is <43 dBA)
- BMS connectivity through ModBus or using a 0-10V signal
- Compatible with cascade or hybrid system controls

Technical information	Baxi Auriga HP				Baxi Auriga+ HP	
	20kW	26kW	33kW	40kW	20kW	30kW
Commercial name	Auriga HP 20T	Auriga HP 26T	Auriga HP 33T	Auriga HP 40T	Auriga+ HP 20T	Auriga+ HP 30T
Standard product code	7832028	7832029	7832031	7832032	7832039	7832040
Coastal protection product code	7854470	7854471	7854472	7837263	7837274	7837275
SCOP 35°C	**4.54**	**4.35**	**4.83**	**4.8**	**5.00**	**5.17**
35°C maximum output [1]						
A-7°C W+35°C	18.65	23.07	28.41	32.36	22.47	25.67
A0°C W+35°C	26.12	29.18	35.93	39.86	26.34	31.03
A+7°C W+35°C	34.35	36.28	50.48	54.14	27.60	37.28
35°C nominal output [2]						
A-7°C W+35°C	12.07	17.16	18.11	20.62	14.02	16.15
A0°C W+35°C	16.56	21.85	23.16	25.70	16.67	19.31
A+7°C W+35°C	21.22	27.19	33.37	35.79	20.27	23.48
COP 45°C						
45°C maximum output [1]						
A-7°C W+45°C	20.40	23.41	28.90	32.36	21.84	25.27
A0°C W+45°C	26.14	29.26	35.64	39.64	25.66	30.31
A+7°C W+45°C	31.93	36.06	50.48	54.36	28.92	36.17
45°C nominal output [2]						
A-7°C W+45°C	12.92	17.02	18.17	20.34	13.82	15.74
A0°C W+45°C	16.20	21.47	22.54	25.07	16.32	18.69
A+7°C W+45°C	20.07	26.51	31.26	34.53	19.63	22.45
SCOP 55°C	**3.31**	**3.47**	**3.58**	**3.61**	**3.86**	**3.96**
55°C maximum output [1]						
A-7°C W+55°C	21.35	22.08	28.41	31.86	21.19	24.78
A0°C W+55°C	26.34	23.96	34.88	38.91	24.70	29.46
A+7°C W+55°C	31.13	25.36	47.30	52.29	29.52	34.92
55°C nominal output [2]						
A-7°C W+55°C	13.19	17.46	17.94	20.12	13.64	15.34
A0°C W+55°C	15.99	21.22	21.98	24.52	15.85	18.08
A+7°C W+55°C	19.23	25.36	30.22	33.40	18.83	21.40
Min/max operating range (°C)	-20/+40	-20/+40	-20/+40	-20/+40	-20/+40	-20/+40
Sound pressure level dB(A) @1m	57.0	57.0	57.0	57.0	50.0	56.0
Sound power level dB(A) (EN12102-1)	65.0	65.0	65.0	65.0	58.0	64.0
ErP @ 35°C	A++	A++	A+++	A+++	A+++	A+++
ErP @ 55°C	A++	A++	A++	A++	A+++	A+++
Power supply (V/Ph/Hz)	400 V III + N 50 Hz	400 V III + N 50 Hz	400 V III + N 50 Hz	400 V III + N 50 Hz	400 V III +N (limits 380-440 V)	400 V III +N (limits 380-440 V)
Flow/return connections	1 1/2"	1 1/2"	1 1/2"	2"	1 1/2"	1 1/2"
Maximum water pressure (bar)	6	6	6	6	6	6
Refrigerant	R32	R32	R32	R32	R290	R290
Volume (kg)	4.8	4.8	5.6	5.6	4.5	4.8

(1) Output values tested at maximum compressor frequency.
(2) Nominal values under test conditions EN14825:2013.
Selections and sizing offered by Baxi utilise nominal values unless otherwise stated.

Volumetrics	Baxi Auriga HP				Baxi Auriga+ HP	
	20kW	26kW	33kW	40kW	20kW	30kW
Height (mm)	1,276	1,276	1,581	1,581	1,806	1,806
Width (mm)	669	669	683	683	672	672
Depth (mm)	1,612	1,612	1,882	1,882	1,881	1,881
Volume (m³)	1.38	1.38	2.03	2.03	2.28	2.28
Weight (kg Net)	271	272	361	363	378	390
Weight (kg Gross)	293	293	383	385	400	412

For large output Air Source Heat Pumps please contact your local Technical Sales Manager

Baxi Auriga HP / Baxi Auriga+ HP accessories:

Product name	Product code	Baxi Auriga HP				Baxi Auriga+ HP	
		20kW	26kW	33kW	40kW	20kW	30kW
Rubber Shock Absorber 20/26 kW	7841692	●	●				
Rubber Shock Absorber 33/40 kW and MB4C	7848648			●	●	●	●
Water Filter 1 1/2"	7841695	●	●	●		●	●
Water Filter 2"	7841696				●		
Antifreeze security valve 1 1/2"	TBC	●	●	●			
Antifreeze security valve 2"	TBC				●		
Refrigerant detector R32	7841700	●	●	●	●		
Refrigerant detector R290	7854446					●	●

Technical considerations

Key factors to consider when selecting and installing an ASHP to support optimal efficiency, ease of maintenance, system longevity and a comfortable living environment.

Performance

Sound

There are two main terms used to define sound when it comes to ASHPs: Sound Power Level and Sound Pressure Level. Sound Power is measured at the unit. Sound Pressure is measured at certain distances. Both are often expressed with the unit dB(A).

- **Sound Power** – this is measured at the source of the noise. It is independent of distance or the surrounding environment. All ASHPs have their fixed Sound Power Level displayed on the ErP label

- **Sound Pressure** – this level depends on the distance from the source and the environment the ASHP is situated in. The greater the distance, the quieter the unit will sound. Sound Pressure is usually calculated and is an important step in the installation of an ASHP

- **MCS 020** – as part of the permitted development rights for ASHPs, a sound assessment needs to be carried out by following the procedure contained in the MCS 020 standard

The Sound Power Level is used as a starting point, and the end result after following all steps should not exceed 37dB at 1m external to the centre point of any door or window to a habitable room of a neighbouring property. If it does, the installation may still be possible, but planning permission would need to be granted. Distance, barriers, number of reflecting surfaces will all have a part to play in this result.

30 dB(A)
Equivalent to rustling leaves

36 dB(A)
Equivalent to a soft whisper

40 dB(A)
Equivalent to a hum of a refrigerator

37 dB(A)
Permitted noise limit within 1m of a neighbour's habitable room window

3M

1.5M

1M

SOUND POWER – 48 dB(A)
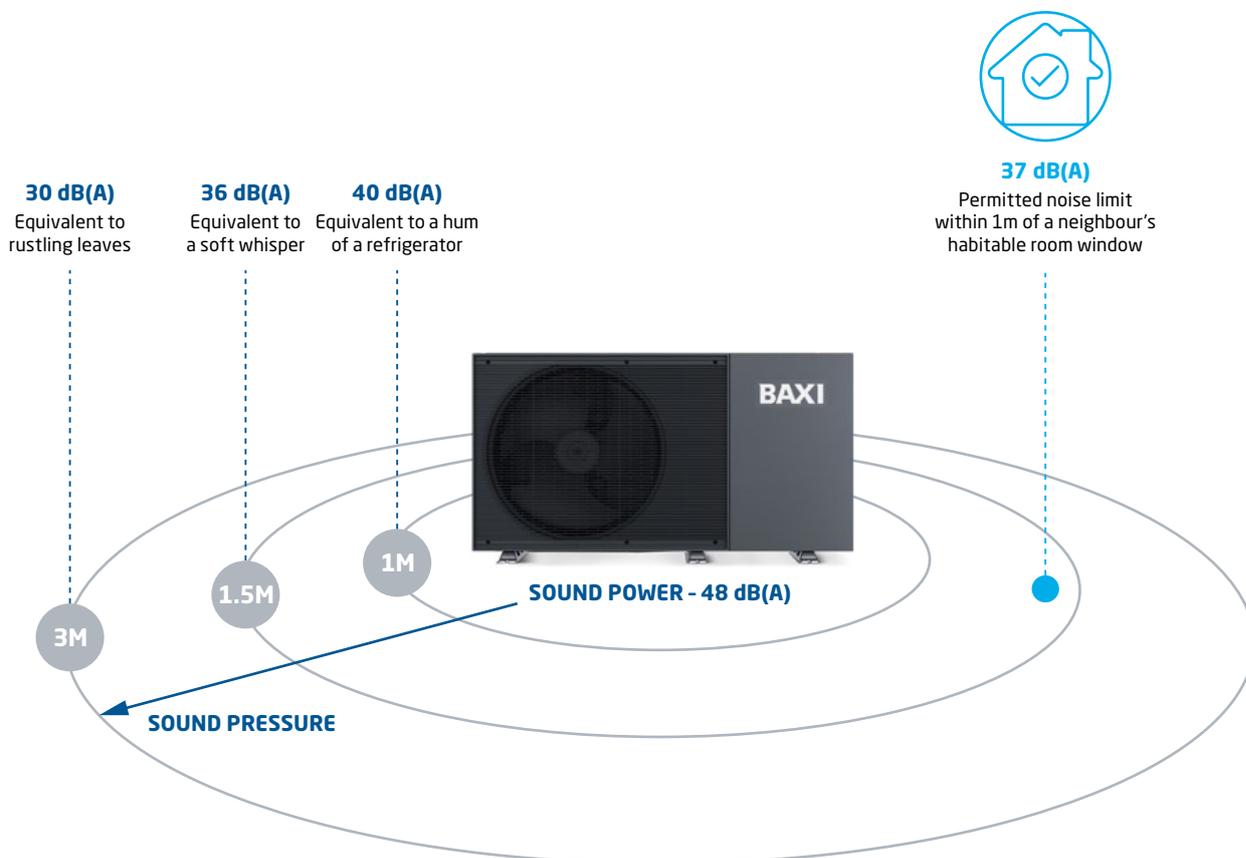
SOUND PRESSURE

Note: Sound pressures are based upon the Baxi HP60 6kW model.

Nominal vs maximum output definition

When selecting or comparing the ASHP to meet the heat loss, you need to check if you are selecting the ASHP based from Maximum values, or on Nominal value.

The Maximum value is the output tested at maximum compressor frequency. Selecting a heat pump for a peak heat loss that is too close to the maximum capacity value may not result in the most efficient running of the system.

A nominal value is the output values under test conditions EN14825:2013.

Selecting and sizing ASHP based on nominal or maximum value is dependent on many design factors.

COP – Coefficient of performance

Coefficient of performance (COP) is a snapshot of the efficiency of an ASHP at a specified outside temperature and flow temperature. It is a measurement of the energy output vs the energy input at a specific point in time. A higher COP indicates greater efficiency, often resulting in lower running costs. However, this is not a realistic view when it comes to ASHP efficiency as ambient temperature often changes, this is why SCOP is a more useful figure.

SCOP – Seasonal coefficient of performance

SCOP (Seasonal Coefficient of Performance): Measures the efficiency of a heat pump over a period of time, often a full year as opposed to one moment in time. This provides a more realistic assessment of the heating system's efficiency and performance in varying climate conditions.

Technical considerations

Outdoor considerations

Siting the unit

When siting the outdoor unit, it is important to consider clearances. Reasons for this include:

A: To allow the fan to draw air across the heat exchanger (evaporator)

B: To avoid recirculation of colder air

C: For maintenance

Additional safety requirements may need to be considered when using R290.

Other siting considerations may involve direction of prevailing wind, risk of snow, salt air, etc.

- Make sure there is enough room to do the installation

- Set the outlet side at a right angle to the direction of the prevailing wind

- Plan drainage for condensation when preparing the foundations

- If water does not easily drain from the unit, mount the unit on a foundation of concrete blocks, etc (the height of the foundation should be about 100 mm (393 in)

- If you install the unit on a frame, please install a waterproof plate (about 100 mm) on the underside of the unit to prevent water from coming in from the low side

- When installing the unit in a place frequently exposed to snow, pay special attention to elevate the foundation as high as possible

Selecting a location in cold climates

Note: When operating the unit in cold climates, be sure to follow the instructions described below.

- To prevent exposure to prevailing wind, install the unit with its suction side facing the wall

- Never install the unit at a site where the suction side may be exposed directly to prevailing wind

- Avoid locations where the unit can be covered by snow. In areas where heavy snow fall is anticipated, special precautions such as raising the installation location or installing a hood on top of the heat pump must be taken to prevent the snow from blocking the air intake or blowing directly against it. This can reduce the airflow and a malfunction may result

Coastal siting

- In coastal areas, the outdoor unit must be protected from corrosion and sea breezes

- Corrosion may shorten the service life and affect the performance of the outdoor unit

- Do not expose the outdoor unit directly to sea breezes

- Do not install the outdoor unit in immediate proximity to the sea A minimum distance of 500 metres is required

Clearances

HP40 / HP50:

Minimum clearances shown below. Please refer to installation manual for further details.
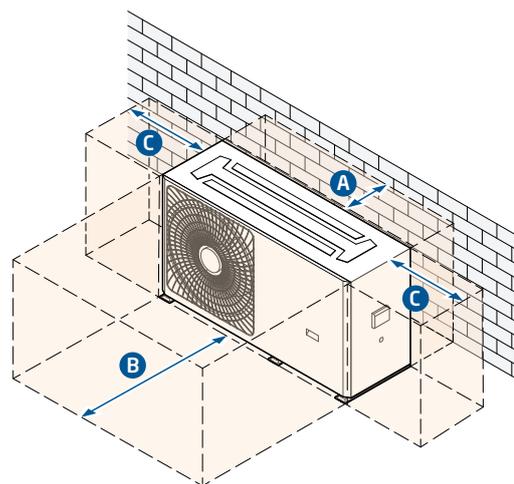
In case of strong wind towards the heat pump, the orientation can be reversed. Turn the air outlet side towards the building, fence or screen.

Model	A (mm)	B (mm)	C (mm)
4/5kW	>300	>1,000	500
7/8/11/13kW	>300	>1,500	500

HP60 / Assure HP55:

The outdoor unit contains R290 refrigerant. This highly flammable refrigerant is denser than air and can accumulate at ground level in the event of a leak.

A protective perimeter must be marked out around the outdoor unit to ensure the safety of users in the event of a leak:

- It must not be possible for refrigerant to accumulate so as to form a toxic, suffocating, explosive or dangerous atmosphere

- The refrigerant must not penetrate into buildings via openings, or into the waste water network

- It must not be possible for refrigerant to accumulate inside cavities

The protective perimeter applies to all types of installation, including wall mounting, and extends to the ground.

- The protective perimeter must not include any openings to the inside of the home: doors, windows, skylights, dome windows, air vents, lightwells, cellar access or sewer hatches

- The protective perimeter must be free from permanent ignition sources such as light bulbs, electrical switches, electrical sockets or any other permanent ignition sources

- The protective perimeter must be free from temporary sources of ignition such as lawnmowers, barbecues, cigarettes or any other temporary ignition sources

- The protective perimeter must not adjoin any alleys, parking spaces, neighbouring plots or public areas

Please always install the ASHP in accordance with its **installation manual**.

Ground-mounted, on a plot or on a flat roof:
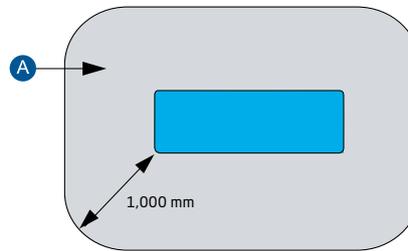
Siting the outdoor unit in front of an external wall:
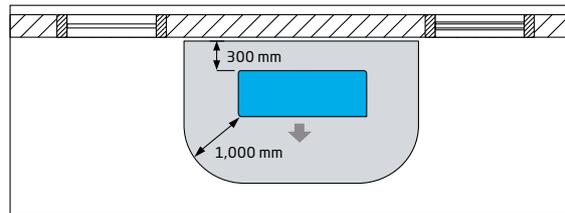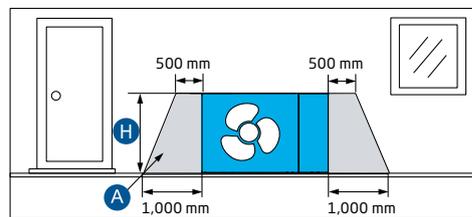
Installing the outdoor unit in a corner:
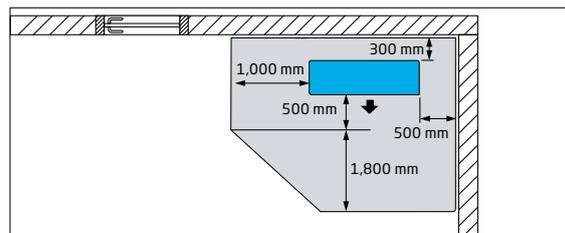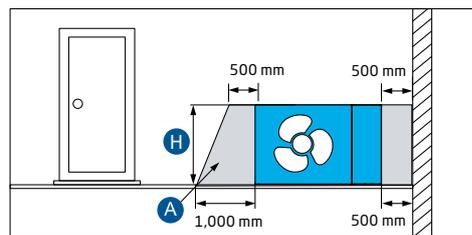
A Protective perimeter

H Height of the protection perimeter: greater than or equal to the height of the outdoor unit in relation to the ground
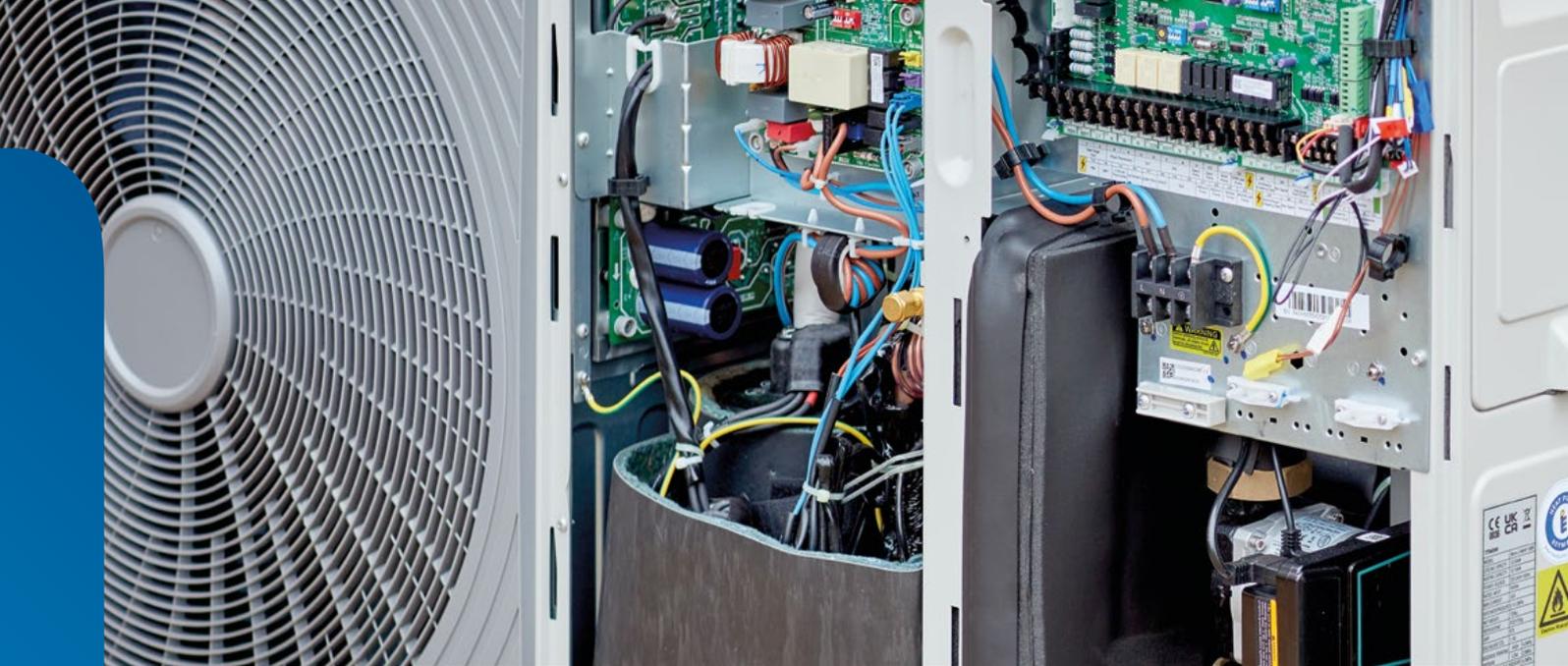
# Technical considerations

Outdoor considerations – continued

Installation requirements

- Check the strength and level of the installation ground so that the unit may not cause any vibrations or noise during its operation

- In accordance with the foundation drawing in the figure, fix the unit securely by means of foundation bolts. (Prepare six sets each of ø 10mm Expansion bolts, nuts and washers which are readily available in the market)

- Screw in the foundation bolts until their length is 20 mm from the foundation surface

The importance of groundworks

The groundworks prior to installation will provide a stable, level platform to position the ASHP. Rubber mounting feet will allow for the required 100mm lift from the floor, reducing the risk of reduced performance and/or damage in more extreme weather conditions.

Proper drainage of the condense is a must to avoid any risk of ice build up that could cause slipping hazards. This is often achieved with the use of a suitably sized soakaway or trace heated condensate pipework to a drain.
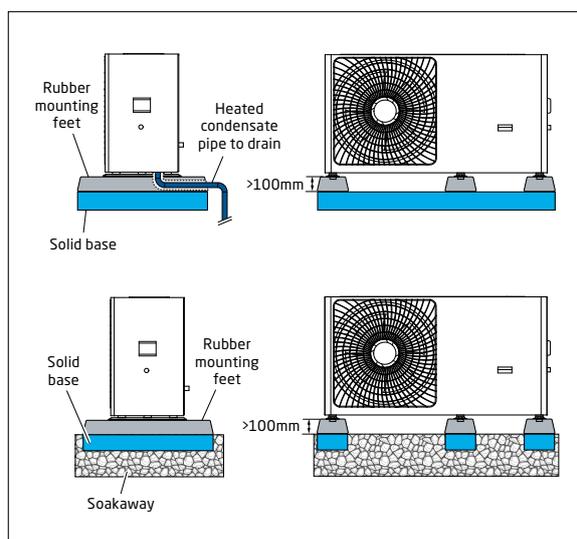
Drain hole position

Note: It is necessary to install an electrical trace heating if water cannot drain out in cold weather even if the big drain hole has opened.

4-6kW drain hole position:
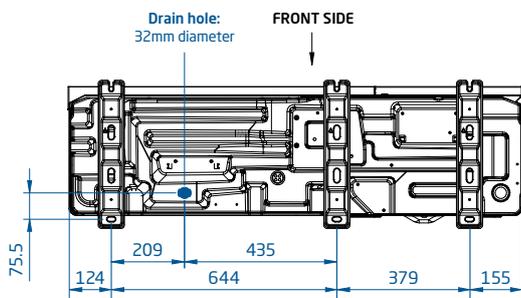
7-13kW drain hole position:
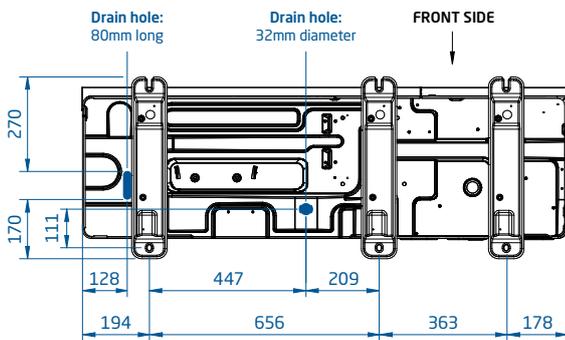
The 80mm drain hole is covered by a rubber plug. If the small 32mm diameter drain hole cannot meet the drainage requirements, the big drain hole can be used at the same time.

All values shown in diagram above are in mm.

Defrost cycle

A heat pump will take heat out of the air as it draws over the evaporator. Between approx. 4°C and 0°C ambient temperature, with high relative humidity in the air like in the UK, there is a high chance that ice will build up on the back of the unit.

The water in the cold, wet air will freeze on the evaporator as the ASHP extracts heat (energy) from the air. This is completely normal and our ASHPs can operate down to -25°C. The heat pump will automatically start a defrost cycle. It will put itself in reverse and for a short amount of time take heat from the heating system to melt any build up of ice on the back of the outdoor unit.

With a correctly designed system, the homeowner should not feel any difference in comfort. This is where adequate system volume becomes extremely important as if it is unavailable, the unit will spiral in to prolonged defrost, leaving the homeowner cold and putting huge strain on the heat pump.

Note: When an ASHP is defrosting, steam might come from the unit which is absolutely normal; the ice is evaporating.

Technical considerations

Outdoor considerations – continued

System volume and hydronic pressure break

- As part of the system design, a buffer tank, Low Loss Header (LLH) and/or volumiser may be utilised

- A LLH would be used to create a hydronic pressure break in a situation where the circulating pump within the outdoor unit is unable to overcome the resistance of the index circuit

- A volumiser would be used to provide additional volume to the system in a situation where the required system volume is not available at all times without the use of one. ASHPs need adequate system volume to defrost and avoid frequent on/off cycling

- A 4-port buffer tank configuration would create a hydronic pressure break and provide additional system volume, effectively doing the job of a LLH and volumiser

- When selected appropriately, they can increase the efficiency of the overall system, extend the lifespan of the ASHP, reducing maintenance and repair costs

- Baxi are happy to provide further support and guidance on which to consider if at all. Please contact us as this is project specific

Weather compensation control

Weather compensation helps to ensure that the ASHP runs as efficiently as possible with the aim to deliver the lowest flow temperature possible for the unique system design whilst maintaining the required indoor temperature set by the user.

Using a 'heat curve', the flow temperature of the system is configured to increase when it gets colder outside and decrease as outside temperatures get milder. In doing so, the efficiency of the ASHP system is maximised.

Typical pairing of DHW cylinder and ASHP

HP40 HP50	170 PP only	210 PP & standard ASHP cylinder	250 PP & standard ASHP cylinder	300 PP & standard ASHP cylinder
4	●	●	●	
5	●	●	●	
7	●	●	●	●
8	●	●	●	●
11			●	●
13			●	●

HP60 Assure HP55	170 PP only	210 PP & standard ASHP cylinder	250 PP & standard ASHP cylinder	300 PP & standard ASHP cylinder
4	●	●	●	●
6	●	●	●	●
8	●	●	●	●
11	●	●	●	●
13	●	●	●	●

The above is for guidance only, predominantly focusing on avoiding excessive reheat times and therefore time without available space heating.

In the majority of cases, ASHPs are selected to supply 100% of the space heating load. An appropriately sized hot water cylinder should be selected based the proposed heat pump capacity, daily hot water demand, and DHW reheat control strategy (scheduled or hysteresis).

Considerations should be taken around potential cylinder reheat times and may be discussed with the homeowner.

Contact your local **Area Sales Manager** for more detail or if you have any queries.

MCS Umbrella Scheme

No MCS? No problem. Let us take care of MCS compliance, so that you can focus on installing ASHPs.

- ⊘ Take on MCS projects, no certification needed
- ⊘ Access government incentives
- ⊘ On-site survey from a trusted Baxi ASHP engineer
- ⊘ Design and on-site commissioning taken care of by us
- ⊘ We handle the paperwork
- ⊘ Expert support at every step

BAXI'S GOT YOU

Visit **baxi.co.uk/mcsumbrella**

ASHP commissioning

We're here to help you commission your air source heat pump installation to ensure optimum performance, efficiency and energy savings can be achieved. Our highly trained service engineers can be booked for a site visit to commission your air source heat pump and handover to your customer. We offer on-site assisted commissioning for new installations, as part of our ASHP training.

- An enhanced product warranty
- Reassurance of a quality installation and setup configuration
- Longevity and optimised performance of the equipment

Scan to find out more

Baxi Genuine Parts

All Baxi Genuine Parts are rigorously tested to meet our quality control standards, ensuring safety and reliability, and are approved for use with all Baxi products.

- Designed to work better and for longer, cutting down on the unnecessary cost of buying replacement parts

- Avoid the problems that can occur when using cheap, counterfeit parts

- Fully-compliant with Gas Safe Regulations, protecting installers and consumers

Identify the parts you need with PartsArena

Find a stockist near you

Specification design service

The efficiency of an air source heat pump (ASHP) depends on how well it's designed and where it's installed. That's why getting the right support from the start is key – and that's where Baxi Design comes in.

With over 10,000 bespoke heating and hot water system designs delivered over the past 20 years, our in-house team knows exactly what it takes to get the best performance out of every project. Now, that experience is helping developers and specifiers plan, size and configure efficient ASHP systems that are ready for the future.

Every design is carefully developed and tailored to the specific needs of the property. Designs are created bespoke to each property's unique requirements, using the latest design processes and technology. We'll also provide all necessary schematics and data for each installation.

Every base covered

We take everything into account to make sure the system works seamlessly and delivers the results you're looking for:

- Accurate ASHP and cylinder sizing for each individual property
- Optimum system location
- Efficient water pipework layout
- Integration with underfloor heating
- Expansion and buffer vessels
- Controllers and thermostats
- Plant room specification (if required)

Whatever your project, we're here to make the design process straightforward and stress-free – so you can deliver efficient, future-proofed installations with confidence.

Get in touch

If you're interested in a Baxi Design for your next ASHP project, contact us.

Email: newdesign@baxi.co.uk

Call: 0344 871 1538

Visit: baxi.co.uk/design

ASHP installer training

Our comprehensive range of specialist and accredited training courses cover all Baxi products, including ASHPs. Courses are delivered by qualified experts in our CIPHE-approved training centres nationwide, giving you all the knowledge, qualifications and real-world experience you need to deliver the next generation of heating and hot water solutions – and take your business to the next level.

> "We attended the air source heat pump course. Steve Simpson the trainer was brilliant and very knowledgeable. He also made the course engaging and interesting. We would definitely recommend the course and want to say a massive thank you."
>
> George and Josh Low,
> Gerald Low and Company

Product Day Training
One day

Get hands-on experience in real-world situations, with the latest range of Baxi products including ASHPs, and stay compliant with the latest legislation updates.

Air Source Heat Pump Product Day
One day

Learn about our full ASHP product range, get to grips with how ASHPs work and get a taste of how they should be installed.

BPEC Accredited Training Courses
Three days

Develop all the skills and knowledge required to correctly install ASHPs, learn the principles of ASHP system design, commissioning and servicing, and earn a nationally-recognised qualification that can be used to gain entry to the Microgeneration Certification Scheme (MCS).

Baxi Heat Pump Installer Course
Two days

As a Baxi Heat Pump Installer, you can assure your customers you'll deliver a reliable standard of design, installation and servicing of our ASHPs. You'll be able to directly commission Baxi ASHPs, register them on Baxi Works and provide customers with an enhanced warranty.

This is all made possible thanks to our in-depth, practical two-day course that covers accurate system design, installation requirements, fault-finding and more.

On the completion of the course, you'll be able to book a free supervised commissioning visit to sign off your first ASHP installation.

Register your interest

Find a course at baxi.co.uk/training or speak to your Area Sales Manager for more details.

To become a Baxi Heat Pump Installer, visit baxi.co.uk/hpinstaller

Baxi Works

Our installer loyalty scheme, designed to prioritise you, support you and reward you.

- Earn reward points for eligible product registrations

- Baxi Toolbelt App for Gas Safe registered installers

- Book ASHP commissioning visits

- Get priority engineer call-outs

- Receive automated service reminders and expert advice

- Appear on the Baxi Find an Installer listing

- Enjoy the premium benefits of being a Baxi Approved Installer, when you register at least 20 eligible products a year

Scan to find out more and sign up

Baxi Project Hub

Our intuitive project management portal and App, designed for specifiers and contractor partners.

- Register warranties for installed Baxi products

- Record water testing results

- Integrated barcode scanner

- Easy access to product registration history

- Download project reports and dashboards

Scan to find out more

Get in touch

United Kingdom
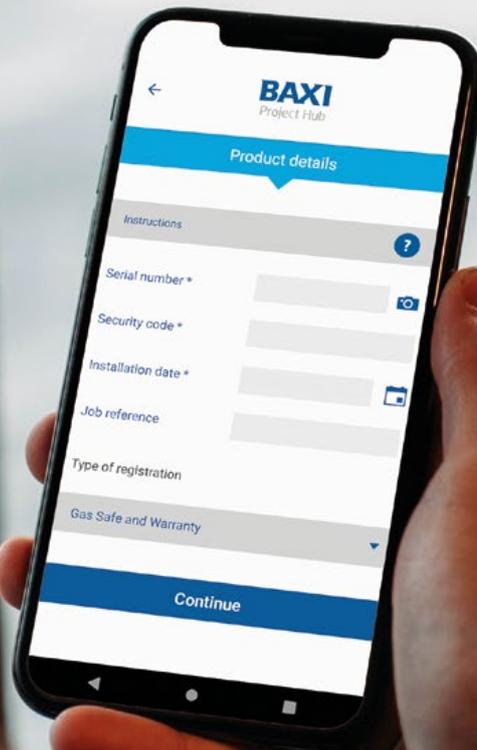
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Residential

- Technical Support: **0344 736 0092**
- Customer Support: **0344 871 1545**
- Email: info@baxi.co.uk
- Visit: baxi.co.uk

Social housing providers and developers

- Call: **0330 678 0917**
- Email: **specification**@baxi.co.uk
- Visit: baxi.co.uk**/assure**

Ireland

Unit F5/F6
Calmount Business Park
Dublin D12 Y923

- Call: **01 4590870**
- Email: **sales@baxi.ie**
- Visit: **baxi.ie**

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