

# BAXI

Innovative Heating & Cooling Systems

## Auriga and Auriga Compact

#all-in-one    #saving    #eco-friendly

Air-source monobloc heat pumps  
for heating and cooling



[www.heatpumpkeymark.com](http://www.heatpumpkeymark.com)





## Auriga and Auriga Compact: all-in-one solution for heating and cooling

Auriga and Auriga Compact are air-source monobloc heat pumps for heating and cooling, operating with **eco-friendly R32 refrigerant fluid**.

The two ranges are **easy to install and highly reliable**. In fact, they integrate all the components, including the compressor, evaporator, condenser, and refrigerant circuit, into **a single outdoor unit**, simplifying installation and maintenance.

Conceived for **new building** with enhanced insulation and modern heating and cooling systems or **refurbished contexts** with **all kinds of low/middle temperature systems**, independently from the delivery device: fan coils, floor heating applications or low temperature high efficiency radiators.

**Auriga and Auriga Compact** can also be **combined with Baxi boilers** to obtain a **full hybrid system**, taking advantages from both the instantaneous comfort granted by gas application, and the eco-friendly low consumption electric option for heating and cooling.



The **Auriga** range consists of **8 models from 4 to 16 kW** (12 and 16 kW also with three-phase power supply). The high head of the pump allows the installation in large systems, covering greater distances or installing the unit directly to serve fan coil units.

The **Auriga Compact** range is made of **3 models from 6 to 10 kW** (single-phase power supply). It has been specifically designed **for installation in narrow spaces** such as balconies.



Feature	Auriga	Auriga Compact
DHW		External tank required
People served	Up to 8*	Up to 6*
Climatization surface	60-360 sqm	60-200 sqm
Circuit	1	1
Power range (kW)	4 - 6 - 8 - 10 - 12M/12T - 16M/16T	6 - 8 - 10
Integration	Electric only (hydraulic possible through external tank)	Electric only (hydraulic possible through external tank)
Additional integration	Photovoltaic, solar thermal through tanks	Photovoltaic, solar thermal through tanks

\* with indirect tank

## Features



### Very low noise units

The **Auriga and Auriga Compact** heat pumps are **as loud as a normal conversation** (sound pressure 58 dB(A) max.). This makes these ranges suitable for all installation, even in high-density residential areas.

### Efficiency and saving

**R32 refrigerant gas** and **inverter modulating compressor** for the maximum energy efficiency. Exploitation of the **energy produced from a photovoltaic source**. All the **Auriga and Auriga Compact** heat pumps are labelled **A+++** in low temperature heating.



### Quick installation

The **complete hydraulic equipment**, consisting of expansion vessel (8 liter in the Auriga range and 5 liter in the Auriga Compact heat pumps), high-head pump, flowmeter, 3-bar safety valve, pressure gauge and Y filter, is **pre-assembled** to **save time during installation**.



### Versatility

The **wide range of heat pumps** answers to all heating, cooling and DHW production (with an indirect tank) needs.

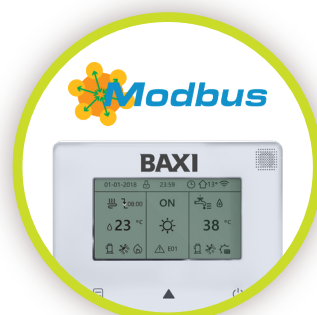
**Auriga** heat pumps can be installed in **cascade** (up to 6 units).

The **very compact dimensions** (hxlxw 865x1040x410 mm) of **Auriga Compact** allow an easy installation in **narrow spaces** such as balconies.

### Maximum comfort

Electrical integration option (3 kW for 230V models and 4.5 kW for 400V units) for higher heating demand, to grant the maximum comfort.

**Auriga and Auriga Compact** offer an optimal DHW tanks control, even when a solar system integration is present (an indirect tank is required for DHW production).



### Easy management

The **remote-control panel** (supplied as standard with **Auriga Compact** range) allows an easy management of all the functions and **can be integrated in Building Management System via Modbus**.



Auriga		4M	6M	8M	10M	12M	16M	12T	16T
Seasonal energy efficiency	(1)	■■■ A+++	■■■ A+++	■■■ A+++	■■■ A+++	■■■ A+++	■■■ A+++	■■■ A+++	■■■ A+++
	(2)	■■■ A++	■■■ A++	■■■ A++	■■■ A++	■■■ A++	■■■ A++	■■■ A++	■■■ A++
Nominal heating capacity kW	(3)	4,20	6,35	8,40	10,00	12,10	15,90	12,10	15,90
COP	(3)	5,10	4,95	5,15	4,95	4,95	4,50	4,95	4,50
Nominal cooling output kW	(4)	4,50	6,50	8,30	9,90	12,00	14,20	12,00	14,20
EER	(4)	5,50	4,80	5,05	4,55	3,95	3,61	3,95	3,61
System water content - min.	l	25	25	25	25	40	40	40	40
Refrigerant fluid R32 / Equivalent CO <sub>2</sub>	kg/tCO <sub>2</sub> e	1,40/ 0,94	1,40/ 0,94	1,40/ 0,94	1,40/ 0,94	1,75/ 1,18	1,75/ 1,18	1,75/ 1,18	1,75/ 1,18
Operating limits in heating mode	Outdoor air temperature min/max °C	-25/ +35	-25/ +35	-25/ +35	-25/ +35	-25/ +35	-25/ +35	-25/ +35	-25/ +35
	Water temperature min/max °C	+12/ +65	+12/ +65	+12/ +65	+12/ +65	+12/ +65	+12/ +65	+12/ +65	+12/ +65
Operating limits in cooling mode	Outdoor air temperature min/max °C	-5/ +43	-5/ +43	-5/ +43	-5/ +43	-5/ +43	-5/ +43	-5/ +43	-5/ +43
	Water temperature min/max °C	+5/ +25	+5/ +25	+5/ +25	+5/ +25	+5/ +25	+5/ +25	+5/ +25	+5/ +25
Sound power According to EN 12102: water temperature 55°C and outdoor air temperature 7°C	dB(A)	55	58	59	60	65	68	65	68
Sound pressure Average sound pressure, at 1 meter distance, in free field on a reflective surface	dB(A)	45,0	47,5	48,5	50,5	53,0	57,5	53,5	58,0
Dimensions (h x w x d)	mm	718x 1295x 429	718x 1295x 429	865x 1385x 526	865x 1385x 526	865x 1385x 526	865x 1385x 526	865x 1385x 526	865x 1385x 526
Empty weight	kg	98	98	121	121	144	144	160	160
Power supply	V/Ph/Hz	230/1/50						400/3/50	

(1) Heating operation energy class: low temperature, average climatic conditions (UE N° 811/2013)

(2) Heating operation energy class: medium temperature, average climatic conditions (UE N° 811/2013)

(3) Outdoor air temperature 7°C - 87% U.R., water temperature 30/35°C - EN 14511

(4) Outdoor air temperature 35°C, water temperature 18°C - EN 14511



Auriga Compact		6M	8M	10M
Seasonal energy efficiency	(1)	■■■■ A+++	■■■■ A+++	■■■■ A+++
	(2)	■■■■ A++	■■■■ A++	■■■■ A++
Nominal heating capacity kW	(3)	6,50	8,40	10,00
COP	(3)	5,30	5,05	4,70
Nominal cooling output kW	(4)	6,50	8,30	10,00
EER	(4)	5,10	4,85	4,30
System water content - min.	l	25	25	25
Refrigerant fluid R32 / Equivalent CO <sub>2</sub>	kg/tCO <sub>2e</sub>	1,25/0,84	1,25/0,84	1,25/0,84
Operating limits in heating mode	Outdoor air temperature min/max °C	-25/+35	-25/+35	-25/+35
	Water temperature min/max °C	+12/+65	+12/+65	+12/+65
Operating limits in cooling mode	Outdoor air temperature min/max °C	-5/+43	-5/+43	-5/+43
	Water temperature min/max °C	+5/+25	+5/+25	+5/+25
Sound power According to EN 12102: water temperature 55°C and outdoor air temperature 7°C	dB(A)	60	63	65
Sound pressure Average sound pressure, at 1 meter distance, in free field on a reflective surface	dB(A)	48	51	53
Dimensions (h x w x d)	mm	865 x 1040 x 523	865 x 1040 x 523	865 x 1040 x 523
Empty weight	kg	87	87	87
Power supply	V/Ph/Hz	230/1/50	230/1/50	230/1/50

- (1) Heating operation energy class: low temperature, average climatic conditions (UE N° 811/2013)  
 (2) Heating operation energy class: medium temperature, average climatic conditions (UE N° 811/2013)  
 (3) Outdoor air temperature 7°C - 87% U.R., water temperature 30/35°C - EN 14511  
 (4) Outdoor air temperature 35°C, water temperature 18°C - EN 14511



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