

BoxAir 22 / 26 / 37 / 45 Inverter P

Monobloc R290 heat pumps
for family houses of all sizes

Extremely quiet and
economical air-to-water
heat pump series for
buildings with heat loss
from 2 to 19 kW.



Safety first

Thanks to the low volume of the R290 refrigerant in the system, an integrated refrigerant leak detector, and automatic shutdown of the unit.




Resilient all-aluminium cabinet

Aluminium construction of panels with a long-lasting resistance to weathering and corrosion.
Default colour setting: anthracite RAL 7016.


The BoxAir 22IP and BoxAir 26IP models offer even more compact dimensions.

A⁺⁺⁽⁺⁾ Energy efficiency

 Czech (EU) product

 Heating water temperature up to 75 °C

 Power up to 25 kW

 Online control

KEY FEATURES

- Compact monobloc outdoor heat air-to-water pump with power from 2 to 25 kW (depending on the model)
- **Easy installation without intervention to the cooling (compressor) circuit and into the existing heating system**
- No need of any indoor unit
- Full serviceability of all components

- Use for **heating and cooling of the building** including SHW preparation
- Unique Master Therm software for heat pump control (including remote access)
- 24/7 remote service monitoring and diagnostics
- **Smart home integration:** online 24/7 monitoring, modbus/BMS, integrated electricity meter, communication with PV inverter and batteries, connection to Smart Grids, etc.
- Active cooling mode (optional equipment)





- Built-in heating side circulation pump
- **Minimized noise due to ultra-quiet fans with smooth speed control**

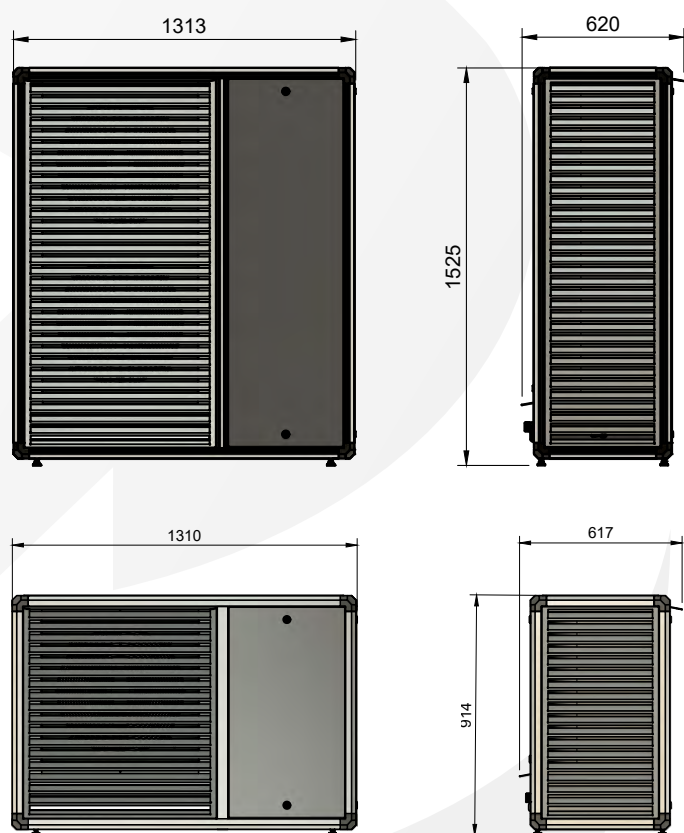


- Max heating water temperature 75 °C
- Anti-legionella function from compressor only
- Outdoor temperature range from -20 °C to +40 °C
- Integrated bivalent power supply as standard

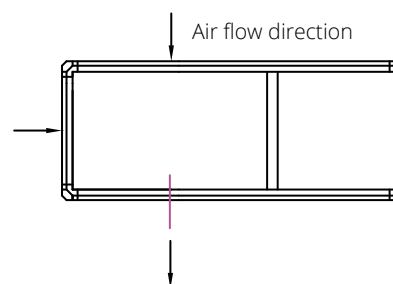


Model	Performance at A7W35	Heat loss of the building Q_z	Seasonal energy efficiency of heating at 35 °C low temperature operation		Seasonal energy efficiency of heating at 55 °C medium temperature operation		Maximum heating / SHW temperature	Order number
	kW		kW	SCOP	class	SCOP		
 BoxAir 22 Inverter P	2-7	up to 5	4.85	A+++	3.76	A++	75	3-ph: BA22IP-311U 1-ph: BA22IP-111U
	BoxAir 26 Inverter P	4-14	up to 11	5.14	A+++	3.83	A+++	75
 BoxAir 37 Inverter P	6-20	up to 15	4.93	A+++	3.93	A+++	75	3-ph: BA37IP-311U 1-ph: BA37IP-111U
	BoxAir 45 Inverter P	8-25	up to 19	4.74	A+++	3.61	A++	75

Find more at www.mastertherm.eu



Designed for	multiple-circuit heating systems
Main heating circuit	yes
Independent heating circuit	independently 2 incl. mixing
Space temperature	in 2 zones
Hot water (SHW)	yes
Selectable	up to 6 heating circuits



Unique Master Therm software for pump control

- Custom application for controlling the cooling circuit and peripherals
- Equithermal MaR (measurement and regulation) system
- Advanced **feedback control of building temperature** based on internal room temperature sensors
- Control via touchscreen terminal or online application
- Includes **remote service monitoring** and diagnostics
- Control of up to 6 heating circuits, including the possibility of connecting a pool or solar panel
- Cooperation with photovoltaics: **in-built connection to PV inverter**
- Smart tariff & Smart Grid: **automatic optimization of heat pump's operation based on future spot electricity prices**

