

# BoxAir 60 Inverter P

High-power (30 kW) R290 heat pump for commercial and industrial use

Highly efficient and environmentally friendly heat pump for heating and cooling commercial, apartment & administrative buildings, production or storage halls, schools etc.

### With high performance

BoxAir 60IP offers performance of 30 kW (A7W35), which makes it the second most powerful air-to-water heat pump with R290 on our offer.

### Handles temperatures up to 75 °C

Thanks to R290 refrigerant the outlet water temperature from the pump is up to 75 °C. Both for heating, as well as SHW.




### Refrigerant with minimum GWP


Maximally sustainable solution with R290 refrigerant with the global warming potential = 3.

**A<sup>++(+)</sup>** Energy efficiency

 Czech (EU) product

 Heating water temperature up to 75 °C

 Power up to 30 kW

 Online control

## KEY FEATURES

- R290 air source heat pump with power up to 30 kW (A7W35)
- All-in-one unit – easy installation, no need of any indoor unit
- Integrated MasterLAN software – up to 16 units can be set up and connected to control power cascades of 60+ kW.

- Perfect for large-scale buildings and for commercial or industrial use, e. g. office buildings, production or warehouse halls, schools, hotels, sport facilities
- Unique Master Therm software for heat pump control (including remote access)
- 24/7 remote service monitoring and diagnostics
- **Extensive intelligent optional equipment:** internet connection (monitoring and logging), modbus/BMS, integrated MID electric meter or heat meter, communication with PV Inverter and Batteries, smart grid etc.
- Active cooling mode (optional equipment)



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



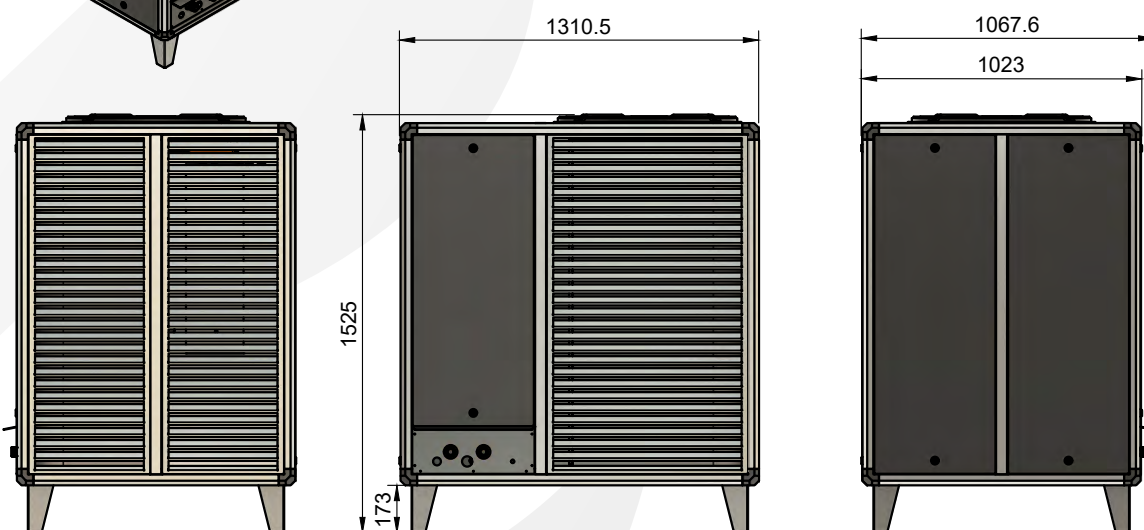
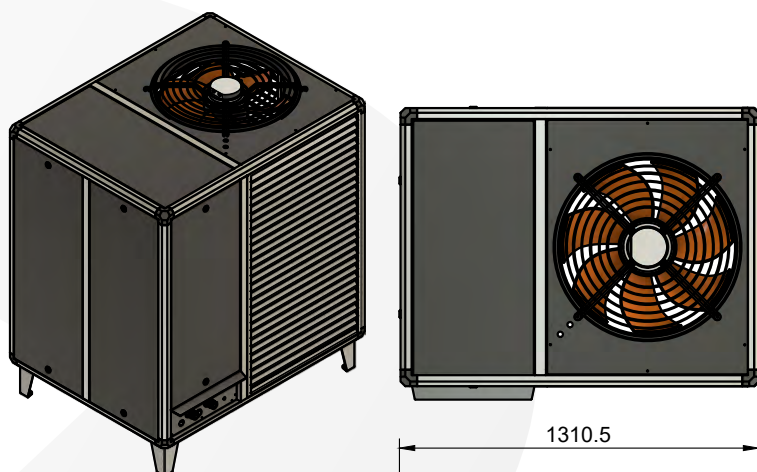
- Max heating water temperature 75 °C
- Anti-legionella function from compressor only
- Outdoor temperature range from -20 °C to +40 °C
- **Back-up heater as standard**



Model	Building heat loss $Q_z$	Performance at A7W35	P-Design	Seasonal energy efficiency of heating at a 35 °C low temperature operation		Seasonal energy efficiency of heating at a 55 °C medium temperature operation		Maximum heating/hot water temperature	Order number (according to heating circuit control)
				SCOP	Class	SCOP	Class		
<b>BoxAir 60 Inverter P</b>	up to 25	7-30	21	4.89	A+++	3.73	A++	75	BA60IP-311U

Find more at [www.mastertherm.eu](http://www.mastertherm.eu)

<b>Designed for</b>	multiple-circuit heating systems
<b>Main heating circuit</b>	yes
<b>Independent heating circuit</b>	independently 2 incl. mixing
<b>Space temperature</b>	in 2 zones
<b>Hot water (SHW)</b>	yes
<b>Option</b>	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**



**SMART GRID READY** ✓

### Master Therm tepelná čerpadla, s. r. o.

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