

AquaMaster 17 Inverter Combi P

Ultra-compact R290 propane unit with integrated cylinder

Unique ground-to-water heat pump with an output up to 5 kW & integrated 150 litre cylinder. Ready for low-carbon & sustainable properties.

All-in-one

Unique ground-to-water compact heat pump with minimum installation space (0.3 m²) required. Produced in both left and right configurations.

Safety first

With integral R290 leak detector and automatic shut down of the unit. Due to the design and only 152 g of the R290 in the cooling circuit there is no requirement for ventilation.

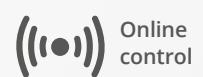
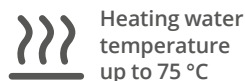
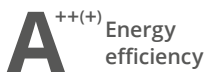


Only needs a small ground collector

Lowers overall total installation cost. Suitable for individual property installations or for installations with a shared ground collector.

Integrated stainless steel cylinder of 150 l

SHW temperature up to 65 °C. Anti-legionella function from compressor only. No backup heater required.



KEY FEATURES

- All-in-one unit – significant savings on installation time and costs
- **Minimum space required – plant room of only 0.3 m²**
- Fast installation kit: expansion vessel, manometer, filter, fittings (optional equipment)



- Suitable for individual properties or for installations with a shared ground collector (proportional control of circulation pumps)
- **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.
- Passive cooling module (optional equipment)



Integral brine and heating side pumps including 3-way valve

- Optional upgrade of brine side circulation pump with 2-port zone valve with proportional control for large shared ground loop installations



Stainless steel cylinder of 150 l

- SHW temperature up to 65 °C
- Max heating water temperature 75 °C
- **Anti-legionella function from compressor only.** No backup heater required

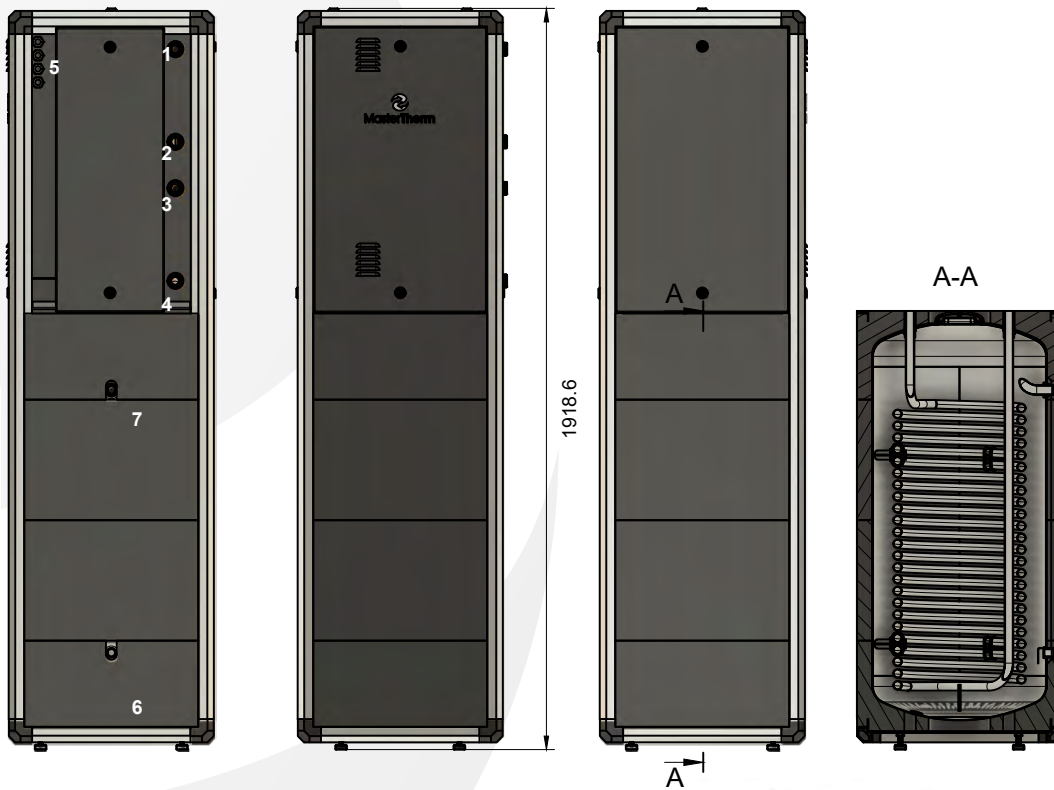
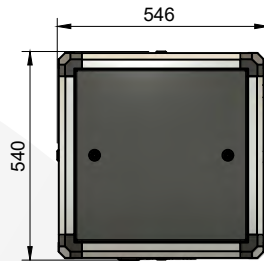




Model	Performance at B0W35	P-Design	Heat loss of the building Q_z	Seasonal energy efficiency of heating at a 35 °C low temperature operation		Seasonal energy efficiency of heating at a 55 °C medium temperature operation		Maximum heating/ hot water temperature	Order number
	kW			kW	SCOP	Class	SCOP		
AquaMaster Inverter 17ICP	1-5	4	up to 5	4.59	A+++	3.59	A++	75 / 65	AQ17ICP-111R

Find more at www.mastertherm.eu

- 1 - heating water outlet - 5/4"
- 2 - heating water inlet - 5/4"
- 3 - evaporator inlet - 5/4"
- 4 - evaporator outlet - 5/4"
- 5 - electrical connection
- 6 - SHW Inlet 1/2"ID
- 7 - SHW Outlet 1/2"ID



Designed for	multiple-circuit heating systems
Main heating circuit	yes
Auxiliary heating circuit	independently 2 incl. mixing
Space temperature	in 2 zones
Hot water treatment	yes
Option	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**



Master Therm tepelná čerpadla, s. r. o.

ID number: 28892275
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Issue EN 1.1, February 2025

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