

# AquaMaster 17 Inverter Combi P

## Ultra-compact R290 propane unit with integrated cylinder

### All-in-one

Unique ground-to-water compact heat pump with minimum installation space (0.3 m<sup>2</sup>) required. Produced in both left and right configurations.

### Only needs a small ground collector

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

### Total safety

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.



Unique ground-to-water heat pump with an output up to 6 kW & integrated 150 litre cylinder. Ready for low-carbon & sustainable properties.

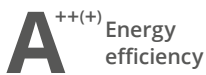


### R290 propane refrigerant

The use of propane increases efficiency and, consequently, energy savings.

### Integrated stainless steel cylinder of 150 l

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



Energy efficiency



Czech (EU) product



Heating water temperature up to 75 °C



Output up to 6 kW



Online control

## KEY FEATURES

- All-in-one unit – significant savings on installation time and costs
- **Minimum space required – plant room of only 0.3 m<sup>2</sup>**
- 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

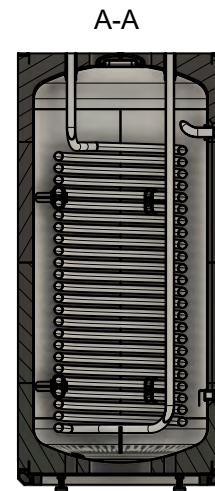
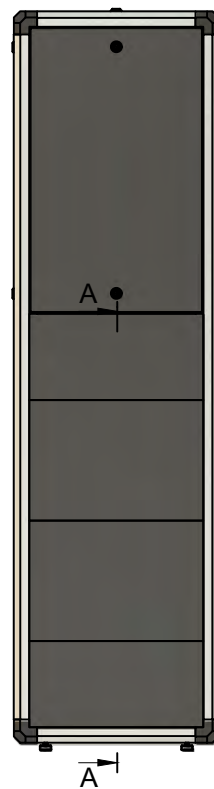
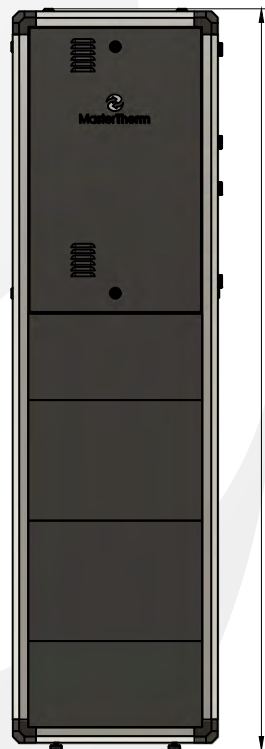
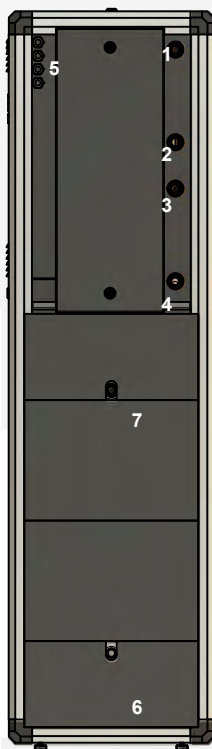
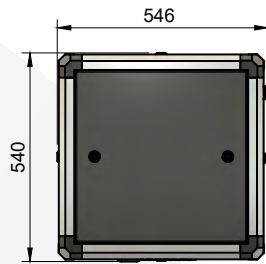




Model	Performance at B0W35	P-Design	Heat loss of the building $Q_z$	Seasonal energy efficiency of heating at a 35 °C low temperature operation		Seasonal energy efficiency of heating at a 55 °C medium temperature operation		Maximum heating/ hot water temperature °C	Order number (according to heating circuit control)	
	kW	kW		SCOP	Class	SCOP	Class		Regulation STANDARD (µPC)	Regulation PLUS (pCO5)
<b>AquaMaster Inverter 17ICP</b>	1-6	4	up to 6	4.87	A+++	3.76	A++	75 / 65	AQ17ICP-101R	AQ17ICP-111R

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



<b>Designed for</b>	single-circuit heating systems	multiple-circuit heating systems
<b>Main heating circuit</b>	yes	yes
<b>Auxiliary heating circuit</b>	-	independently 2 incl. mixing
<b>Space temperature</b>	in 1 zone	in 2 zones
<b>Hot water treatment</b>	yes	yes
<b>Option</b>	-	up to 6 heating circuits

### Unique Master Therm software for heat pump control

- Custom application for controlling the cooling circuit and peripherals- Equithermal MaR (measurement and regulation)
- Advanced **temperature feedback control in the building** 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 swimming 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**

