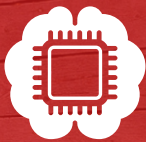


# FROM HOMES TO INDUSTRY



## R290: FUTURE IS NOW

- Power from 3 to 70+ kW
- All sources – ground, air, water
- Already hundreds of installations across Europe



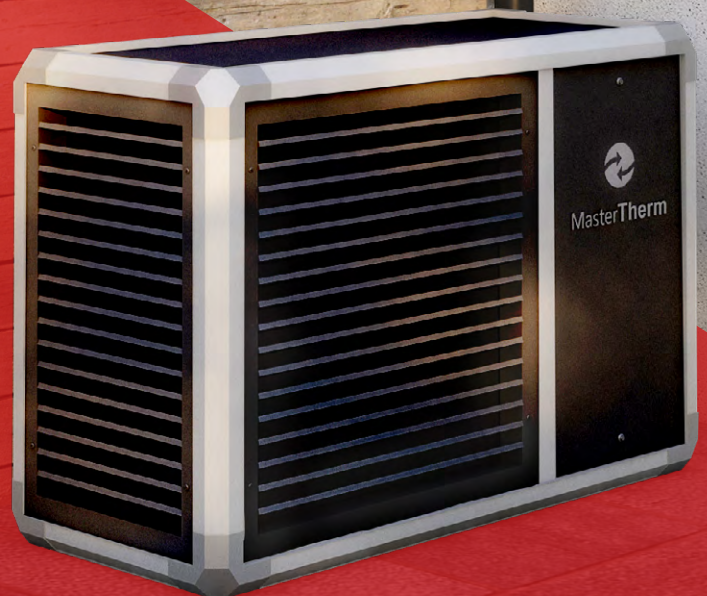
## SMART FOR EVERYONE

- Proprietary software incl. Smart Grid
- Online monitoring & management
- Built-in PV Control



## TOP QUALITY & RELIABILITY

- Designed and manufactured in the Czech Republic
- Precision handcrafted and tested
- Guarantee of spare parts and full repairability





Heat loss up to (kW)

FAMILY HOUSES

VILLAS

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 24 26

BoxAir Inverter Propane (R290)



BA 22 IP



BA 26 IP



BA 37 IP



BA 45 IP



BA 60 IP

AquaMaster Inverter Propane (R290)



AQ 9 IP



AQ 17 IP



AQ 22 IP



AQ 30 IP



AQ 37 IP



AQ 9 ICP



AQ 17 ICP



AQ 22 ICP

BoxAir Inverter (R410A)



BA 22 I



BA 26 I



BA 30 I



BA 37 I



BA 45 I



BA 22 IS



BA 26 IS



BA 37 IS



BA 45 IS



BA 22 ISC



BA 26 ISC



BA 37 ISC

AquaMaster Inverter (R410A)



AQ 17 I



AQ 22 I



AQ 26 I



AQ 30 I



AQ 37 I



AQ 45 I



AQ 17 IC



AQ 22 IC



AQ 26 IC



AQ 30 IC



AQ 37 IC

AquaMaster Z (R407C)



AQ 22 Z



AQ 26 Z



AQ 30 Z



AQ 37 Z



AQ 45 Z



AQ 60 Z



RESIDENTIAL, HOTEL  
AND COMMERCIAL BUILDINGS

INDUSTRIAL BUILDINGS

28 30 35 40 45 50 55 60 65 70



BA 90 IP

Cascades over  
1000 kW



AQ 45 IP



AQ 90 IP



R290 heat pumps covering 3 to 1000+ kW

## ENGINEERING R290 BEYOND THE STANDARD

### BoxAir Inverter Propane

- output per unit: 3–50 kW
- compact monoblock design
- active cooling mode



Air-to-water

### AquaMaster Inverter Propane

- output per unit: 3–70 kW
- optionally with integrated SHW tank
- active and passive cooling mode



Ground-to-water  
Water-to-water



BA 60 I

Cascades over  
1000 kW



BA 60 IS

Pumps with R410A/R407C refrigerants

## FOR EVERY PROJECT

### BoxAir Inverter

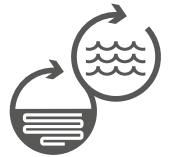
- output per unit: 2–35 kW
- top-class frequency-controlled compressor
- available in compact or split design, also with integrated domestic hot water tank
- active cooling mode



Air-to-water

### AquaMaster Inverter

- output per unit: 1–48 kW
- top-class frequency-controlled compressor
- optionally with integrated water tank
- active and passive cooling mode



Ground-to-water  
Water-to-water



AQ 60 I



AQ 90 I

Cascades over  
1000 kW



AQ 75 Z



AQ 90 Z



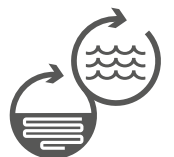
AQ 120 Z



AQ 150.2 Z AQ 180.2 Z

### AquaMaster Z and ZHX

- output per unit: 8–64 kW
- proven technology
- unique high-temperature compressor (ZHX)
- highly efficient for industrial heat recovery
- output water temperature up to 82 °C



Ground-to-water  
Water-to-water



# WHY MASTER THERM?

## TRADITION SINCE 1994

Master Therm was established in the Czech Republic in the 1990s, originally as an importer of heat pumps from the USA. Over the years, through the gradual development of our own expertise, we have become a manufacturer. All Master Therm heat pumps are conceived, designed, and manufactured in the Czech Republic.

## REPUTATION ABROAD

Master Therm exports more than 70% of its production abroad, primarily to Western Europe. The most important foreign markets include the UK, Ireland, the Netherlands, Belgium, Italy, Switzerland, Germany and Slovakia.



## SMART HEATING SOLUTIONS

With us, you get a heating system – not just a standalone heat source. We supply complete heat pump systems of all types, including our own control software capable of integrating with photovoltaic systems and automatically responding to changes in electricity spot prices (Smart Grid).

## TOP-NOTCH R290 HEAT PUMPS

In 2023, we introduced our first heat pumps using the natural refrigerant R290. From the beginning, we have placed strong emphasis on safety and developed a sophisticated ventilation box. Our comprehensive range includes both air-to-water and ground-to-water heat pumps, and we continue to expand this portfolio.

## TESTS AND CERTIFICATION

**SZÚ Brno** – Certificate of compliance with Czech and EU standards

**ISO 9001** – International Quality Certificate

**HEAT PUMP KEYMARK** – Quality Certificate for the Single European Market

**BBA MCS** – British quality certificate, allows to draw on British government incentives

**TÜV SÜD** – Certificate conforming the characteristics of products with the stated parameters



member of Atrea group



[www.mastertherm.eu](http://www.mastertherm.eu)

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

ID number: 28892275  
VAT: CZ28892275

### Invoicing address

Václavské náměstí 819/43, 110 00 Prague 1, Czech Republic, EU

### Showroom and correspondence address

Okrajová 187, 253 01 Chýně, Czech Republic, EU

### Production plant

Dolní Tříč 636, 512 43 Jablonec nad Jizerou, Czech Republic, EU

### Contact

E-mail: [info@mastertherm.cz](mailto:info@mastertherm.cz)  
Telephone: +420 800 444 000

### Service dispatch

E-mail: [dispecink@mastertherm.cz](mailto:dispecink@mastertherm.cz)  
Telephone: +420 773 744 701