

# AQUAPURA MONOBLOC

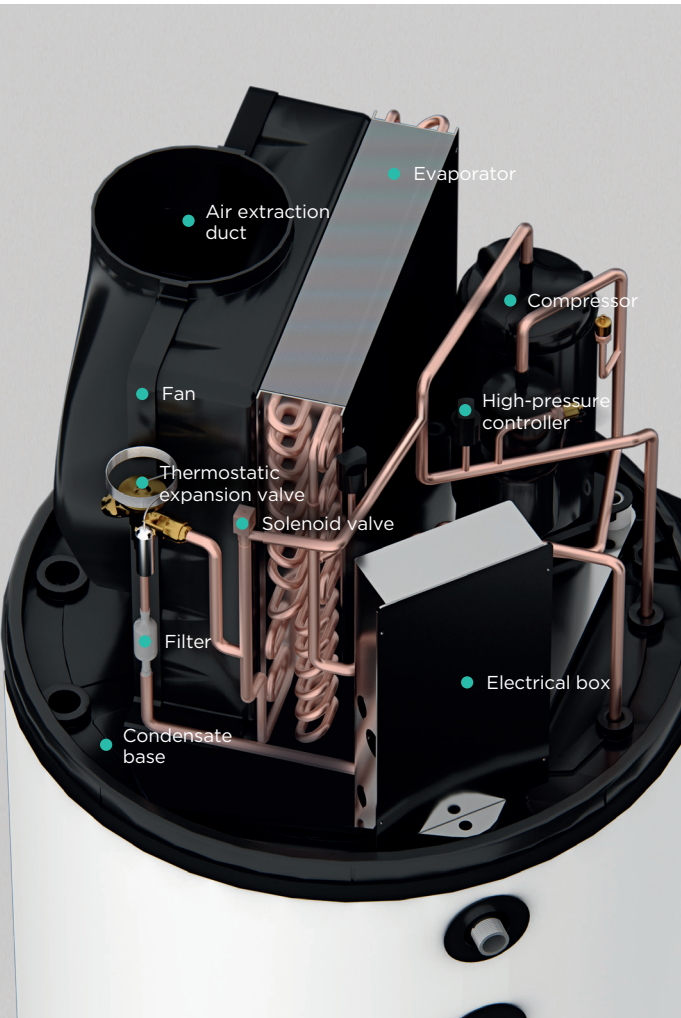
A COMPACT  
EQUIPMENT FOR  
HOT WATERS

PORTUGUESE MANUFACTURING



DHW AT 60°C  
THROUGH  
RENEWABLE  
ENERGY

- Stainless steel cylinder
- Minimum occupied space at home
- High level of efficiency and ecology
- Quiet operation
- Time schedule with Chrono function
- Easy installation
- Smart photovoltaic function
- Anti-legionella function
- Controller with software in 6 languages
- Dehumidify small spaces
- Optional solar coil



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PORTUGUESE MANUFACTURING  
SINCE 1981

# AQUAPURA MONOBLOC

DOMESTIC  
HOT WATER



DOMESTIC HOT WATER  
HEAT PUMP.  
HIGH LEVEL OF EFFICIENCY  
FOR THE PRODUCTION OF  
DOMESTIC HOT WATER IN  
YOUR HOME!



Project co-financed by:

NORTE2020

PORTUGAL  
2020



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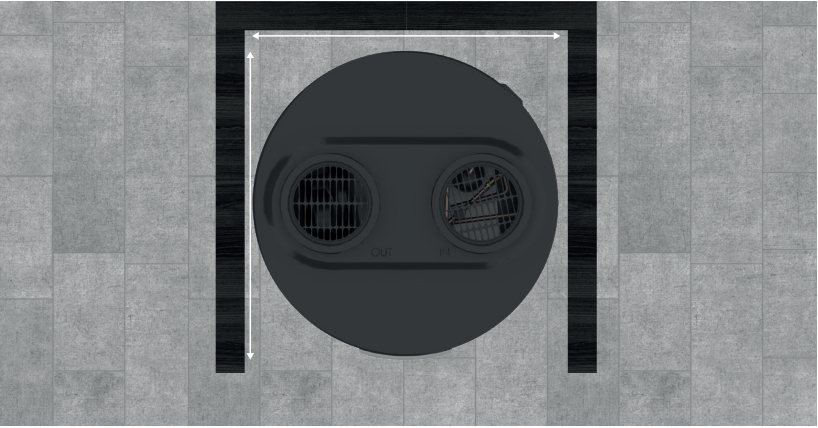
+ ROBUST

The new AQUAPURA MONOBLOC heat pumps have a modern design, exterior finish in high impact polymer, combined with components that give it greater longevity, thermal and acoustic insulation, prepared for the placement of Ø160 and Ø190 ducts.



+ SILENT

Equipped with a maximum efficiency centrifugal fan, integrated into a ventilation box designed for minimal noise, with a sound pressure of 36dB(A) 2m.



+ ERGONOMICS

Compact equipment, with stainless steel tank and easy access hydraulic connections, ensuring greater flexibility in installation. The 200 and 270 litre models can be integrated into a 60x60 cm cabinet.



+ EFFICIENCY

They feature a high level of efficiency, giving the entire range the A++ energy class, with one of the highest performance coefficients on the market (COP = 3.9 for the 270 litre model according to EN16147, air at 14°C and water heating from 10°C to 54°C).

ELECTRONIC  
CONTROLLER  
DOMESTIC HOT WATER  
PRODUCTION



1. Compressor. 2. Fan. 3. Electrical resistance. 4. Disinfect. 5. Defrost. 6. Solar function. 7. Alarm.



DIFFERENT TYPES OF INSTALLATION



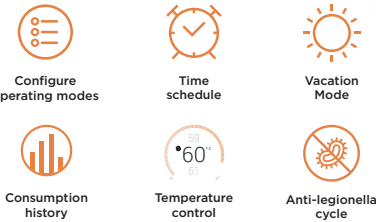
CAPACITIES 200, 270, 300, 500L



COEFFICIENT OF PERFORMANCE  
3.9  
COP  
270L



NEW APP NOW  
AVAILABLE  
SMART LIFE



| TECHNICAL DATA                         |                         | 200i                               | 200ix       | 270i        | 270ix       | 300i        | 300ix       | 500i        | 500ix       |
|----------------------------------------|-------------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power Supply                           | V-/Hz                   | 220-240 Vac / single-phase / 50 Hz |             |             |             |             |             |             |             |
| Thermal Power Provided                 |                         | 1800                               | 1800        | 1800        | 1800        | 1800        | 1800        | 3000        | 3000        |
| Electric Power Consumed                | W                       | 400-700                            | 400-700     | 400-700     | 400-700     | 400-700     | 400-700     | 600-950     | 600-950     |
| Electric Support Power                 |                         | 1500                               | 1500        | 1500        | 1500        | 1500        | 1500        | 2000        | 2000        |
| COP* (EN16147)                         | COP                     | 3.72                               | 3.72        | 3.91        | 3.91        | 3.91        | 3.84        | 3.61        | 3.61        |
| Energy Efficiency <sup>1</sup>         |                         | 154                                | 154         | 161         | 160         | 160         | 160         | 150         | 150         |
| Heating Time <sup>1</sup> (EN16147)    | h:mm                    | 04:36                              | 04:36       | 05:57       | 05:42       | 06:29       | 06:29       | 06:48       | 06:48       |
| Qty. Water withdrawn at 40°C (EN16147) |                         | 251                                | 245         | 323         | 362         | 362         | 355         | 591         | 591         |
| Sound Pressure at 2m                   | dB(A)                   | 36                                 |             |             |             |             |             |             |             |
| Ecological Refrigerant                 |                         | R134a / 1,2                        | R134a / 1,2 | R134a / 1,2 | R134a / 1,2 | R134a / 1,2 | R134a / 1,2 | R134a / 1,5 | R134a / 1,5 |
| ErP READY                              | Energy Efficiency Class | A++                                | A++         | A++         | A++         | A++         | A++         | A+          | A+          |
|                                        | Consumption Profile     | L                                  | L           | XL          | XL          | XL          | XL          | XXL         | XXL         |

| DIMENSIONS/WEIGHT/DUCT |      | 200i     | 200ix    | 270i     | 270ix    | 300i     | 300ix    | 500i     | 500ix    |
|------------------------|------|----------|----------|----------|----------|----------|----------|----------|----------|
| Dimensions (ø/Height)  | mm   | 580/1704 | 580/1704 | 580/2004 | 580/2004 | 650/1864 | 650/1864 | 700/2219 | 700/2219 |
| Weight                 | Kg   | 60       | 62       | 67       | 75       | 75       | 78       | 122      | 125      |
| Ducts Diameter         | Ø mm | 160/190  | 160/190  | 160/190  | 160/190  | 160/190  | 160/190  | 160/190  | 160/190  |

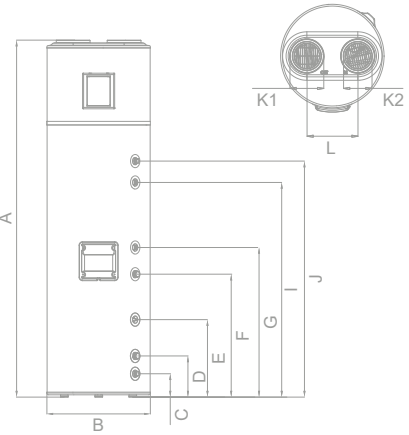
| CYLINDER                            |   | 200i                         | 200ix | 270i | 270ix | 300i | 300ix | 500i | 500ix |
|-------------------------------------|---|------------------------------|-------|------|-------|------|-------|------|-------|
| Nominal Capacity                    | L | 200                          | 195   | 270  | 265   | 300  | 295   | 460  | 455   |
| Maximum Operating Pressure          |   | 7                            | 7     | 7    | 7     | 7    | 7     | 7    | 7     |
| Material                            |   | Stainless steel <sup>2</sup> |       |      |       |      |       |      |       |
| Insulation                          |   | High Density Polyurethane    |       |      |       |      |       |      |       |
| Auxiliary Coil(Comp/ø)              |   | -                            | 10/25 | -    | 10/25 | -    | 10/25 | -    | 21/25 |
| Hydraulic Connections, Inlet/Outlet |   | 3/4"                         | 3/4"  | 3/4" | 3/4"  | 3/4" | 3/4"  | 1"   | 1"    |
| Coil Connections                    |   | -                            | 1"    | -    | 1"    | -    | 1"    | -    | 1"    |

| OPERATING CONDITIONS                      |    | 200i    | 200ix   | 270i    | 270ix   | 300i    | 300ix   | 500i    | 500ix   |
|-------------------------------------------|----|---------|---------|---------|---------|---------|---------|---------|---------|
| Temp. Water Max. (Heat Pump / Boost Mode) | °C | 60 / 65 | 60 / 65 | 60 / 65 | 60 / 65 | 60 / 65 | 60 / 65 | 60 / 65 | 60 / 65 |

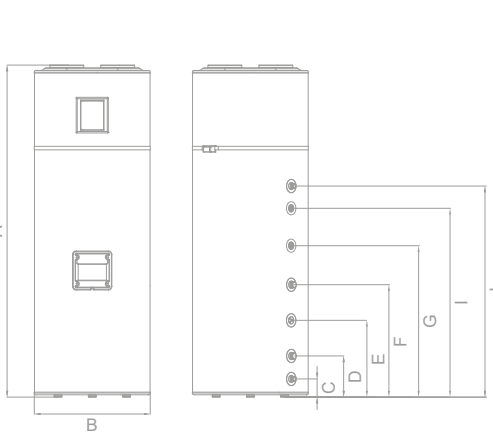
<sup>1</sup> EN16147: Water heating from 10°C to 54°C (Air temperature 14°C) | <sup>2</sup> High corrosion resistance

| DIMENSIONS mm |                 | 200i    | 200ix   | 270i    | 270ix   | 300i    | 300ix   | 500i    | 500ix   |
|---------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| A             | Height          | 1704    | 1704    | 2004    | 2004    | 1864    | 1864    | 2219    | 2219    |
| B             | Diameter        | 580     | 580     | 580     | 580     | 650     | 650     | 700     | 700     |
| C             | Cold Water      | 131     | 131     | 131     | 131     | 102     | 102     | 267     | 267     |
| D             | Coil Outlet     | -       | 231     | -       | 231     | -       | 231     | -       | 347     |
| E             | Instrumentation | -       | 435     | -       | 435     | -       | 431     | -       | 725     |
| F             | Coil Inlet      | -       | 690     | -       | 690     | -       | 631     | -       | 862     |
| G             | Recirculation   | -       | -       | 840     | 840     | 850     | 850     | 975     | 975     |
| H             | Anode           | -       | -       | -       | -       | -       | -       | 1305    | 1305    |
| I             | PT Valve        | 905     | 905     | 1205    | 1205    | 1060    | 1060    | 1405    | 1405    |
| J             | Hot Water       | 1030    | 1030    | 1325    | 1325    | 1185    | 1185    | 1505    | 1505    |
| K1/K2 Ø       | Pipe Diameter   | 160/190 | 160/190 | 160/190 | 160/190 | 160/190 | 160/190 | 160/190 | 160/190 |
| L             | Pipe Spacing    | 286     | 286     | 286     | 286     | 286     | 286     | 286     | 286     |

Equipment: 200i/200ix/270i/270ix



Equipment: 300i/300ix



Equipment: 500i/500ix

