

# AQUA UNIT

## HYDRONIC INDOOR UNIT



### HYDRONIC UNIT FOR iSERIES

The AQUA UNIT indoor units combined with the outdoor units from the iSERIES range are used to heat and cool hydronic systems, such as radiant systems, low-temperature radiators and fan coil units.



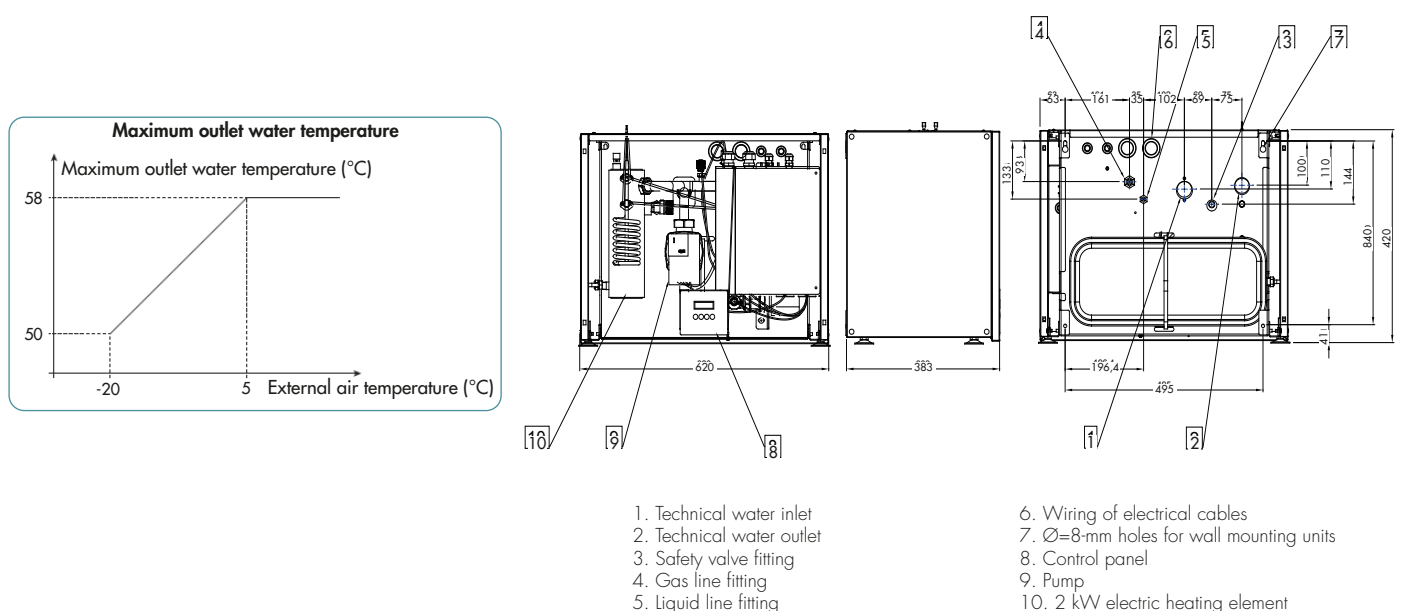
### AVAILABLE MODELS

| Code      | Model | Size | Capacity (kW)                      | Description                                                                                                                        |
|-----------|-------|------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 387030200 | AUAH  | A    | 4,1 kW heating<br>5,3 kW cooling   | Internal Hydronic module, with inverter pump, control panel integrated, 7 litres expansion vessel and 2 kW backup electric heater. |
| 387030201 | AUBH  | B    | 6,5 kW heating<br>5,6 kW cooling   | Internal Hydronic module, with inverter pump, control panel integrated, 7 litres expansion vessel and 2 kW backup electric heater. |
| 387030202 | AUCH  | C    | 0,6 kW heating<br>9,1 kW cooling   | Internal Hydronic module, with inverter pump, control panel integrated, 7 litres expansion vessel and 2 kW backup electric heater. |
| 387030203 | AUDH  | D    | 13,6 kW heating<br>11,6 kW cooling | Internal Hydronic module, with inverter pump, control panel integrated, 7 litres expansion vessel and 2 kW backup electric heater. |

#### Reference condition

Heating: water temperature 35/30 °C, outdoor air temperature 7 °C

Cooling: water temperature 18/23 °C, outdoor air temperature 35 °C



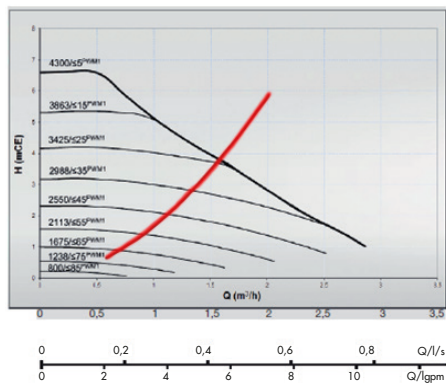
| TECHNICAL DATA                                                             |         | AUAH                            | AUBH | AUCH | AUDH |
|----------------------------------------------------------------------------|---------|---------------------------------|------|------|------|
| Electrical power supply                                                    | V/Ph/Hz | 220-240/1/50                    |      |      |      |
| Maximum electricity consumption                                            | W       | 77 + 2000 (for heating element) |      |      |      |
| Minimum electricity consumption                                            | W       | 6                               |      |      |      |
| Hydraulic connection                                                       | inch    | 3/4" M                          |      |      |      |
| DWV evacuation connection                                                  | mm      | 18                              |      |      |      |
| Outdoor unit connection circuit                                            |         | circuit A <sup>(1)</sup>        |      |      |      |
| Cooling circuit connections (gas)                                          | inch    | 1/2"                            | 1/2" | 1/2" | 5/8" |
| Cooling circuit connections (liquido)                                      | inch    | 1/4"                            | 1/4" | 1/4" | 3/8" |
| Refrigerant type                                                           |         | R410A                           |      |      |      |
| Minimum cooling pipe lenght                                                | m       | 3                               |      |      |      |
| Maximum cooling pipe lenght                                                | m       | Ref. to outdoor unit datasheets |      |      |      |
| Maximum height difference between indoor unit and outdoor unit             | m       |                                 |      |      |      |
| Maximum height difference between indoor unit (installation with other UI) | m       |                                 |      |      |      |
| Additional gas charge (if required)                                        | g/m     |                                 |      |      |      |
| Minimum operating water pressure                                           | bar     | 1,5                             |      |      |      |
| Maximum operating water pressure                                           | bar     | 2                               |      |      |      |
| Pressure relief valve set                                                  | bar     | 3                               |      |      |      |
| Maximum water outlet temperature                                           | °C      | up to 58 <sup>(2)</sup>         |      |      |      |
| Minimum water volume                                                       | litri   | 40                              | 40   | 80   | 80   |
| Net weight                                                                 | kg      | 33,5                            | 34   | 35   | 36   |
| Net dimension (Alt/Lar/Pro)                                                | mm      | 488x383x620                     |      |      |      |

(1) Connect only to circuit A of the outdoor unit

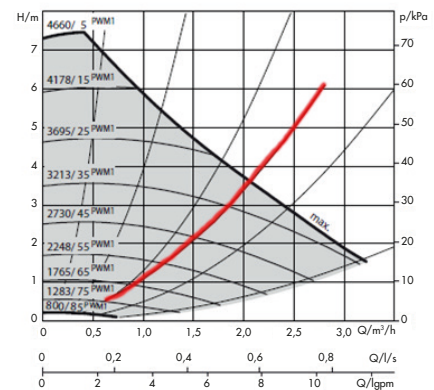
(2) With reference to diagram of "Maximum outlet water temperature"

## CHARACTERISTIC CURVE OF PUMPS AND LOAD LOSS IN THE UNITS

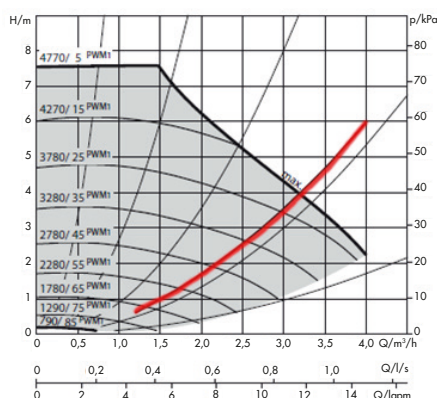
### AUAH



### AUBH



### AUCH



### AUDH

