



100 L  
120 L



200 L  
300 L

## SANITARY WATER HEAT PUMP VAW 2



Electronic anode Gas refrigerant Easy installation Anti-legionella function Maximum water outlet temperature Compatible with photovoltaic solar energy Compatible with solar thermal energy\* Defrost function Stainless steel inner tank Replaces gas and electric water heater

| MODELS   |                                      | GIA-AT-100MR290A          | GIA-AT-120MR290A | GIA-AT-200SR290A | GIA-ATS-200SR290A | GIA-ATS-300SR290A |              |
|--|--------------------------------------|---------------------------|------------------|------------------|-------------------|-------------------|--------------|
| EAN CODE   |                                      | 8435483860261             | 8435483860285    | 8435483860308    | 8435483864382     | 8435483864399     |              |
| Nominal voltage                                  | V, Ph, Hz                            | 220-240V (1 Phase ~ 50Hz) |                  |                  |                   |                   |              |
| <b>PERFORMANCE</b>                               |                                      |                           |                  |                  |                   |                   |              |
| Keymark Certification                            |                                      | Yes                       | Yes              | Yes              | Yes               | Yes               |              |
| Heat capacity <sup>(1)</sup>                     | Total power                          | <b>kW</b>                 | 1,10             | 1,10             | 1,60              | 1,60              | 1,60         |
|  | Absorbed power                       | <b>W</b>                  | 300              | 300              | 432               | 432               | 432          |
|  | COP                                  |                           | 3,15             | 3,14             | 3,61              | 3,61              | 3,80         |
|  | Energy class                         |                           | A+               | A+               | A+                | A+                | A+           |
| Resistance                                       | <b>kW</b>                            | 1,55                      | 1,55             | 1,55             | 1,55              | 1,55              |              |
| Rated current + resistance                       | <b>A</b>                             | 1,3 + 6,8                 | 1,3 + 6,8        | 1,88 + 6,8       | 1,88 + 6,8        | 1,88 + 6,8        |              |
| Maximum current + resistance                     | <b>A</b>                             | 1,81 + 6,8                | 1,81 + 6,8       | 2,61 + 6,8       | 2,61 + 6,8        | 2,61 + 6,8        |              |
| Working range                                    | <b>°C</b>                            | -5 / 43                   | -5 / 43          | -5 / 43          | -5 / 43           | -5 / 43           |              |
| Cleaning temperature                             | Antilegionella                       | <b>°C</b>                 | 70               | 70               | 70                | 70                |              |
| Maximum temperature                              | Output /with resistance              | <b>°C</b>                 | 65 / 75          | 65 / 75          | 65 / 75           | 65 / 75           | 65 / 75      |
| DHW <sup>(2)</sup>                               | Recovery time                        | <b>h</b>                  | 4,26             | 5,25             | 6,4               | 6,4               | 9,9          |
|  | SCOP (7/6°C) EN16147 Average climate | <b>W/W</b>                | 2,61             | 2,63             | 2,92              | 2,92              | 3,11         |
|  | Energy efficiency                    |                           | A+               | A+               | A+                | A+                | A+           |
|  | Recovery time                        | <b>h</b>                  | 3,40             | 4,25             | 5,10              | 5,10              | 8,0          |
| DHW <sup>(3)</sup>                               | SCOP (14/13°C) EN16147 Warm climate  |                           | 2,97             | 2,95             | 3,36              | 3,36              | 3,55         |
|  | Energy efficiency                    |                           | A++              | A++              | A++               | A++               | A+           |
|  | COP 7/6°                             | -                         | 3,5              | 3,4              | 3,6               | 3,6               | 3,8          |
|  |                                      |                           |                  |                  |                   |                   |              |
| <b>TANK</b>                                      |                                      |                           |                  |                  |                   |                   |              |
| Capacity   | <b>L</b>                             | 100                       | 120              | 200              | 200               | 300               |              |
| Maximum pressure                                 | <b>bar</b>                           | 10                        | 10               | 10               | 10                | 10                |              |
| DWH tank quality                                 |                                      | AISI 304                  |                  |                  |                   |                   |              |
| Thickness  | <b>mm</b>                            | 1,0                       | 1,0              | 1,5              | 1,5               | 1,5               |              |
| Protection                                       |                                      | Electronic anode          |                  |                  |                   |                   |              |
| DHW inlet/outlet                                 | "                                    | G ¾                       | G ¾              | G ¾              | G ¾               | G ¾               |              |
| Cleaning   | "                                    | G ¾                       | G ¾              | G ¾              | G ¾               | G ¾               |              |
| Condensate outlet                                | "                                    | G ¾                       | G ¾              | G ¾              | G ¾               | G ¾               |              |
|  |                                      | No                        | No               | No               | Si                | Si                |              |
| Solar coil                                       | Length                               | <b>m</b>                  | -                | -                | -                 | 10                |              |
|  | Ø                                    | <b>mm</b>                 | -                | -                | -                 | 22                |              |
|  | Exchange                             | <b>m²</b>                 | -                | -                | -                 | 1                 |              |
|  | Quality                              |                           | AISI 304         | AISI 304         | AISI 304          | AISI 304          | AISI 304     |
| Ø connection                                     | "                                    | -                         | -                | -                | G ¾               | G ¾               |              |
| External tank quality                            |                                      | Galvanised steel          |                  |                  |                   |                   |              |
| Thickness  | <b>mm</b>                            | 0,50                      | 0,50             | 0,50             | 0,50              | 0,50              |              |
| Painting   | Thickness                            | <b>mm</b>                 | 0,05             | 0,05             | 0,05              | 0,05              |              |
|  |                                      | Polyurethane              |                  |                  |                   |                   |              |
| Isolation  | Thickness                            | -                         | 45               | 45               | 45                | 45                |              |
|  | Density                              | -                         | 31               | 31               | 31                | 31                |              |
| <b>TECHNICAL FEATURES</b>                        |                                      |                           |                  |                  |                   |                   |              |
| Compressor type                                  | -                                    | Rotary                    |                  |                  |                   |                   |              |
| Refrigerant gas                                  | -                                    | R290                      |                  |                  |                   |                   |              |
| Refrigerant charge                               | <b>kg</b>                            | 0,15                      | 0,15             | 0,15             | 0,15              | 0,15              |              |
| GWT  | -                                    | 3                         | 3                | 3                | 3                 | 3                 |              |
| CO <sub>2</sub> equivalent                       | <b>T</b>                             | 0,00045                   | 0,00045          | 0,00045          | 0,00045           | 0,00045           |              |
| Ø air duct                                       | <b>mm</b>                            | 160                       | 160              | 160              | 160               | 160               |              |
| Maximum duct length (Smooth and rigid duct, I+R) | <b>m</b>                             | 20                        | 20               | 20               | 20                | 20                |              |
| Fan  | <b>W/rpm</b>                         | 40/900                    | 40/900           | 60/1130          | 60/1130           | 60/1130           |              |
| Airflow  | <b>m³/h</b>                          | 250                       | 250              | 350              | 350               | 350               |              |
| Sound power                                      | <b>dB(A)</b>                         | 55                        | 55               | 55               | 55                | 56                |              |
| Wifi   | -                                    | Yes                       | Yes              | Yes              | Yes               | Yes               |              |
| Smart grid ready                                 | -                                    | -                         | -                | Yes              | Yes               | Yes               |              |
| <b>DIMENSIONS</b>                                |                                      |                           |                  |                  |                   |                   |              |
| Unboxed  | Ø                                    | <b>mm</b>                 | Ø510x1175        | Ø510x1328        | Ø560x1750         | Ø560x1750         | Ø640x1850    |
| With packaging                                   | w · h · d                            | <b>mm</b>                 | 570x1292x570     | 570x1435x570     | 629x1892x629      | 629x1892x629      | 695x1989x695 |
| Net/gross weight                                 |                                      | <b>kg</b>                 | 48 / 63          | 51 / 67          | 90 / 100          | 90 / 100          | 110 / 120    |

\*Depending on model

(1) Ambient temperature 20°C/12°C, Δt 15°C to 55°C

(2) Based on ERP (EN16147) ambient temperature 7°C/6°C, water temperature 10°C to 55°C

(3) Based on ERP (EN16147) ambient temperature 20°C/15°C, water temperature 10°C to 55°C