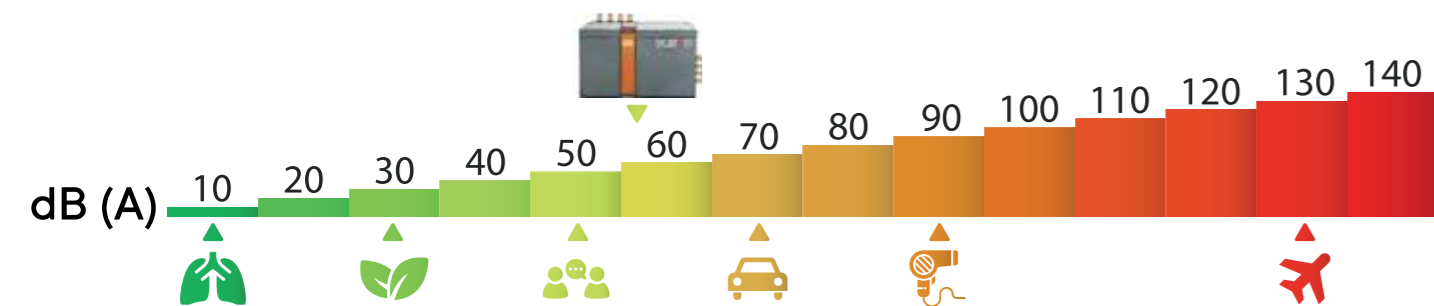
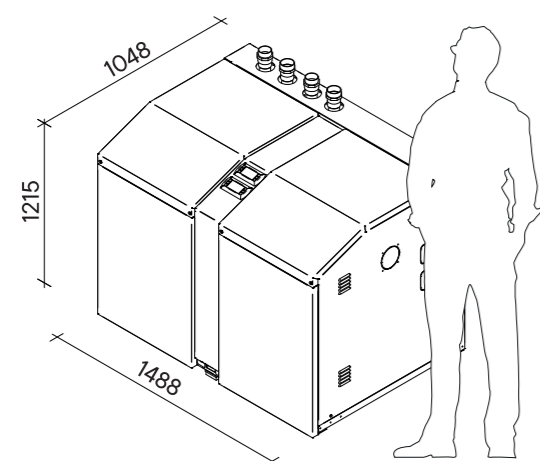




AQUA DUETTO R410A

		263	275	263	275
		Sorgente Geotermica B0		Sorgente Geotermica W10	
Heating Conditions – UNI EN 14511					
Heating Capacity W35	kW	62,6	73,6	80,6	95,6
COP W35		4,41	4,43	5,45	5,69
Heating Capacity W45	kW	59,6	71	76,6	91
COP W45		3,59	3,62	4,35	4,42
Heating Capacity W55	kW	57,4	68,4	72,8	86,6
COP W55		3,02	3	3,43	3,55
Cooling Capacity - UNI EN 14511					
Cooling Capacity W7	kW	70,66	84,19	70,66	84,19
EER W7		6,56	6,72	6,56	6,72
Cooling Capacity W18	kW	86,58	103,22	86,58	103,22
EER W18		8,00	8,20	8,00	8,20
Low Temperature Conditions – UNI EN 14825					
SCOP		4,70	4,71	5,45	5,51
SEER		4,63	4,57	7,50	7,41
Energy Label		A+++	A+++	A+++	A+++
General Data					
Power Supply		Trifase		Trifase	
Refrigerant		R32		R32	
Maximum Power Input	kW	22,7	26,9	22,7	26,9
Compressor		2x - Twin Rotary BLDC - modulation 20-100%			
Outdoor Unit Sound Power Level	dB (A)	63	65	63	65
Weight	kg	494	494	494	494



AQUA DUETTO MAGIS R32

MK-DPCAQ232T002
DC.260430



Efficient and modular heat pumps for large buildings



Via dell'Artigianato, 44 - 31047
Ponte di Piave (TV)
Tel: 0422 289828
info@gsicontrol.it
www.gsicontrol.it

G.S.I. srl assumes no responsibility for any errors contained in this brochure and reserves the right to modify the specifications of its products without prior notice.





WHEN COMFORT DOES NOT ALLOW COMPROMISES, THE ANSWER IS GEOTHERMAL

AQUA DUETTO is a water-to-water geothermal heat pump, reversible and full inverter, designed for medium- to high-capacity applications requiring maximum efficiency, stability, and continuous operation. By harnessing the thermal energy of the ground, it delivers high and consistent performance all year round, regardless of outdoor climate conditions. Robust and reliable, it is ideal for systems with high energy demand, both as a stand-alone solution and in cascade configurations or integrated with other heat generation systems. The unit provides heating, cooling, and domestic hot water production, ensuring high comfort standards and optimized energy consumption.

The dual independent refrigerant circuits enhance operational safety, improve capacity modulation, and enable precise and continuous control of operating parameters, efficiently adapting to the actual system requirements. The use of geothermal energy, combined with R32 refrigerant, ensures high performance, reduced emissions, and maximum sustainability. Manufactured in Italy and equipped with proprietary in-house developed software, AQUA DUETTO is a powerful and scalable solution for commercial buildings, apartment blocks, and centralized heating systems.



GEOTHERMAL FLEXIBILITY
Compatible with both open-loop and closed-loop systems, AQUA DUETTO adapts to the installation site, ensuring high efficiency, reliability, and optimized performance in every application.

SAFE OPEN-LOOP SYSTEM
Dedicated components protect and control the source side, ensuring long-term reliability and durability.

CONTINUOUS OPERATION
Alternating defrost logic ensures service continuity even during defrost phases, thanks to the two independent circuits.



DOMESTIC HOT WATER AND LOWER ENERGY BILLS WITH MAGIS

With MAGIS, GSI's exclusive system, heat normally dissipated by the heat pump is recovered to produce DHW up to 70°C automatically and without waste. While the system heats or cools the building, MAGIS **simultaneously heats the DHW** storage, boosting efficiency and reducing energy bills without compromising comfort.



DUAL TECHNOLOGY
Two independent refrigeration and electrical circuits ensure higher reliability and operational continuity: even if one circuit requires service, the other continues to operate, maintaining comfort and availability.

NATURAL FREE COOLING
By leveraging the naturally lower temperature of the ground, AQUA DUETTO cools indoor spaces by transferring heat to the soil without activating (or by minimizing the use of) the compressor. This allows cooling to be achieved with extremely low energy consumption—almost free—while maintaining high efficiency, quiet operation, and consistent comfort.

TOTAL ACCESSIBILITY
All components are integrated into a robust casing with ample access space, ensuring protection, ease of maintenance, and rapid servicing.

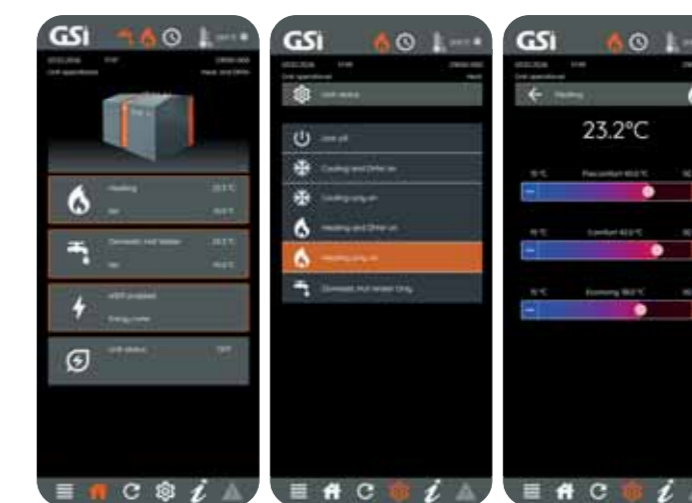
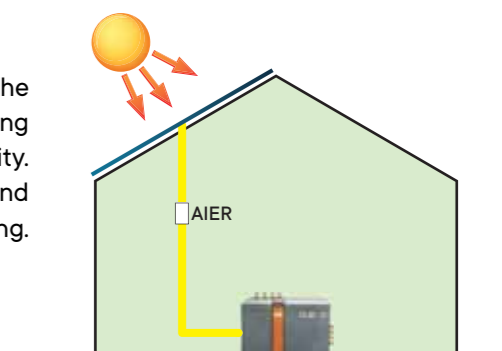
CASCADE MANAGEMENT, SCALABLE POWER

Up to 6 GSI heat pumps can be managed in cascade via a dedicated controller with specific control logic. The controller supervises the system and automatically modulates the units according to the required load, ensuring unit rotation. Coordinated cascade management ensures service continuity, reliability, and high energy efficiency even in large installations.



ADVANCED CONTROL, INTELLIGENT MANAGEMENT

GSI heat pumps are prepared for remote management and supervision. The GSI CLOUD platform stores up to 13 months of operating data, enabling analysis, diagnostics, and system optimization to support service continuity. AIER, the optional network analyzer, detects surplus energy in real time and automatically adjusts the heat pump by increasing setpoints for DHW or heating.



COMFORT AT YOUR FINGERTIPS

The product web app, paired with GSI's KlySense app, enables clear and intuitive monitoring and control of the system from a computer, tablet, or smartphone. An end-user menu covers everyday comfort, while a password-protected service menu provides advanced parameters for configuration and technical management.

A guided start-up wizard supports installation and commissioning step by step, reducing start-up time and limiting errors. End users can set up to three heating and cooling levels (comfort, pre-comfort, and economy). DHW time bands and setpoints can be managed in the same way.

EXPLORE THE FULL RANGE AND FIND THE SOLUTION THAT FITS YOUR NEEDS



AURA DUETTO MAGIS R32
Air-to-water heat pump, efficient energy for everyday comfort