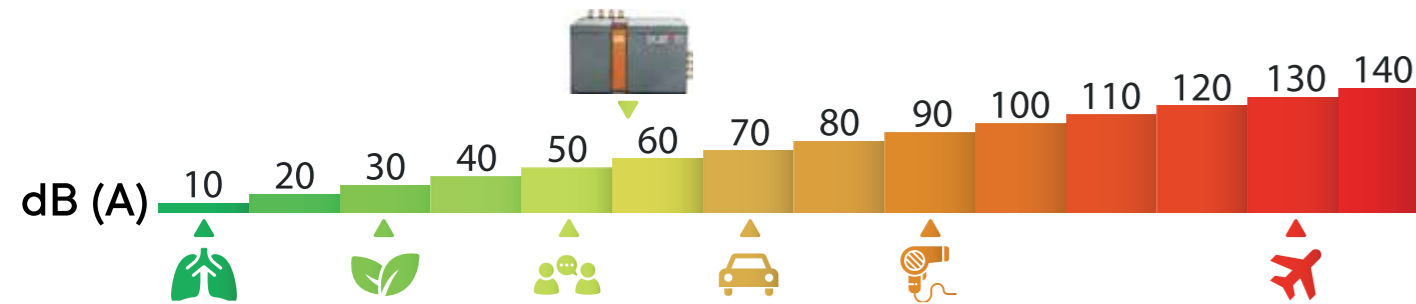
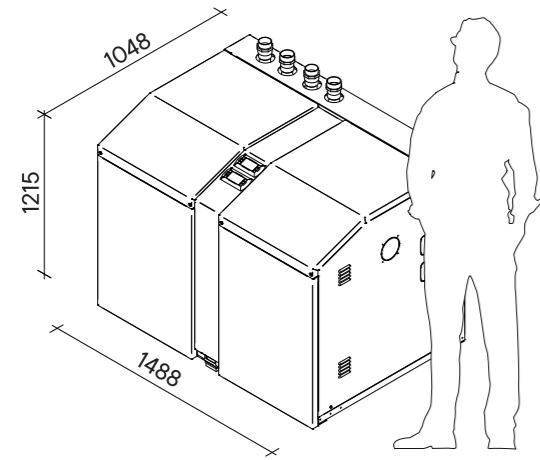




AQUA DUETTO R410A

		260	270	285	260	270	285
		Sorgente Geotermica B0			Sorgente Geotermica W10		
Heating Conditions – UNI EN 14511							
Heating Capacity W35	kW	59,87	73,17	85,34	73,6	90,08	114,90
COP W35		4,74	4,96	4,72	5,50	5,77	5,48
Heating Capacity W45	kW	56,34	68,59	80,33	69,36	84,63	98,88
COP W45		3,46	3,61	3,45	4,13	4,32	4,12
Heating Capacity W55	kW	54,85	66,45	78,24	66,82	81,24	95,29
COP W55		2,59	2,69	2,58	3,15	3,28	3,15
		Sorgente Geotermica W20			Sorgente Geotermica W20		
Cooling Capacity - UNI EN 14511							
Cooling Capacity W7	kW	65,48	78,53	93,34	65,48	78,53	93,34
EER W7		6,04	6,27	5,92	6,04	6,27	5,92
Cooling Capacity W18	kW	81,11	99,56	114,94	81,11	99,56	114,94
EER W18		6,60	6,98	6,43	6,6	6,98	6,43
Low Temperature Conditions – UNI EN 14825							
SCOP		4,77	5,04	4,75	5,69	5,04	5,67
SEER		4,53	4,90	4,34	7,67	7,87	7,48
Energy Label		A+++	A+++	A+++	A+++	A+++	A+++
General Data							
Power Supply		Trifase			Trifase		
Refrigerant		R410A			R410A		
Maximum Power Input	kW	24,6	28,7	35,1	26,2	27,3	28,9
Compressor		2x - Twin Rotary BLDC - modulation 20-100%					
Outdoor Unit Sound Power Level	dB (A)	67	67	67	67	67	67
Weight	kg	494	494	494	494	494	494



DUETTO AQUA R410A

MK-DPCAQ2410002
DC.260430



DUETTO
aqua R410A

Efficient and modular heat pumps for large buildings



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Tel: 0422 289828
info@gsicontrol.it
www.gsicontrol.it

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WHEN COMFORT ALLOWS NO COMPROMISES, THE ANSWER IS GEOTHERMAL

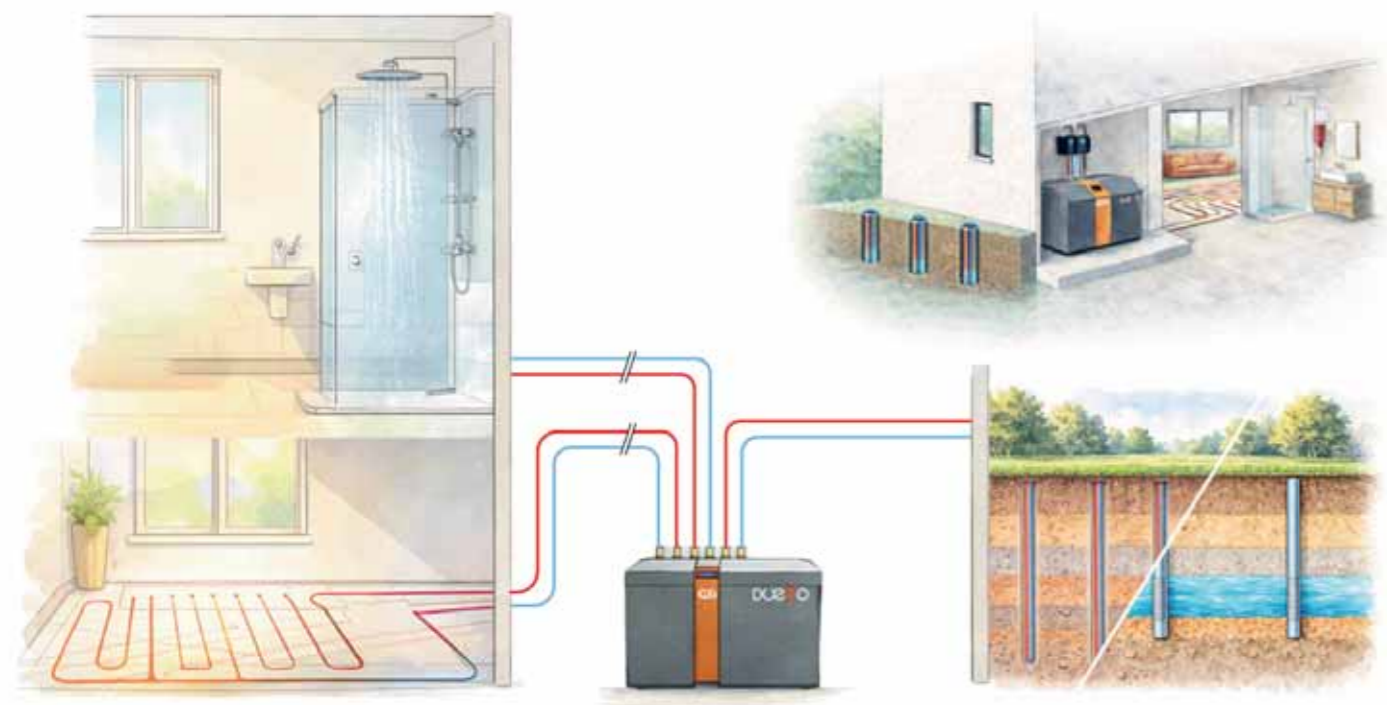
AQUA DUETTO is a water-to-water geothermal heat pump, reversible and full inverter driven, designed for medium to high capacity applications requiring maximum efficiency, stability, and operational continuity. By harnessing the thermal energy of the ground, it ensures high and consistent performance throughout the year, regardless of external climatic conditions.

Robust and reliable, it is ideal for systems with high energy demand, both in stand-alone configurations and in cascade systems or integrated with other generation units. The system provides heating, cooling, and domestic hot water production, delivering high comfort levels with optimized energy consumption.

The dual independent refrigerant circuits enhance operational safety, improve capacity modulation, and allow precise and continuous control of operating parameters, efficiently adapting to the actual system demand.

The use of R410A refrigerant ensures operational stability and long-term reliability, making AQUA DUETTO a solid and efficient solution for high-performance geothermal systems.

Manufactured in Italy and equipped with in-house developed software, AQUA DUETTO represents an advanced solution for sustainable, high-efficiency building climate control.



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.



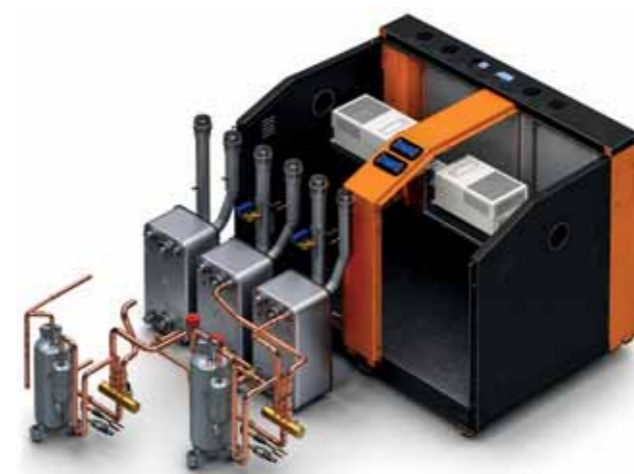
CONTINUOUS OPERATION

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.

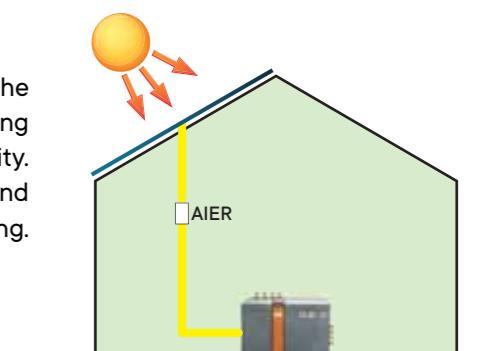
CASCADE MANAGEMENT, SCALABLE POWER

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 R410A
Air-to-water heat pump, efficient energy for everyday comfort