

BEETLE

142 PRO

140

Heating Conditions UNI EN 14511

	kW	42,20	40,00
Heating Capacity A7/A20			
COP A7/A20		4,90	4,34
Heating Capacity A2/A20		38,50	35,00
COP A2/A20		4,30	3,69
Heating Capacity A-7/A20		33,20	32,00
COP A-7/A20		3,90	3,15

Cooling Conditions UNI EN 14511

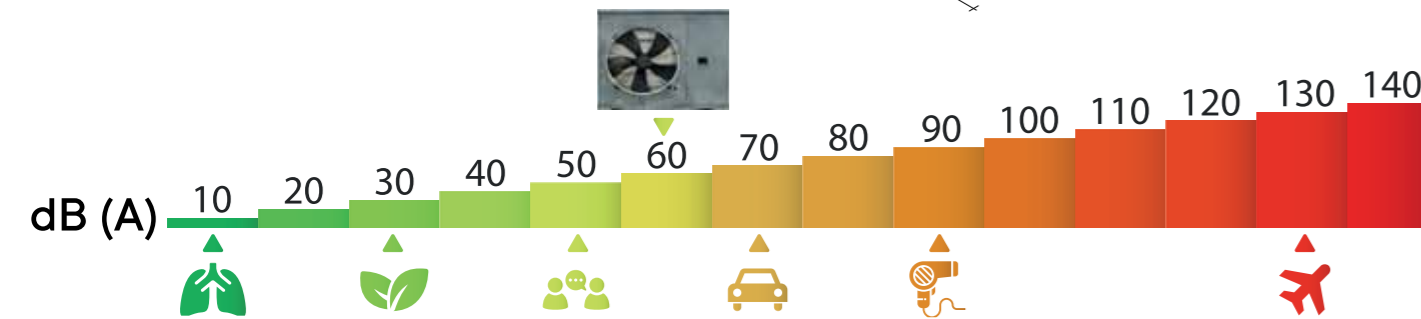
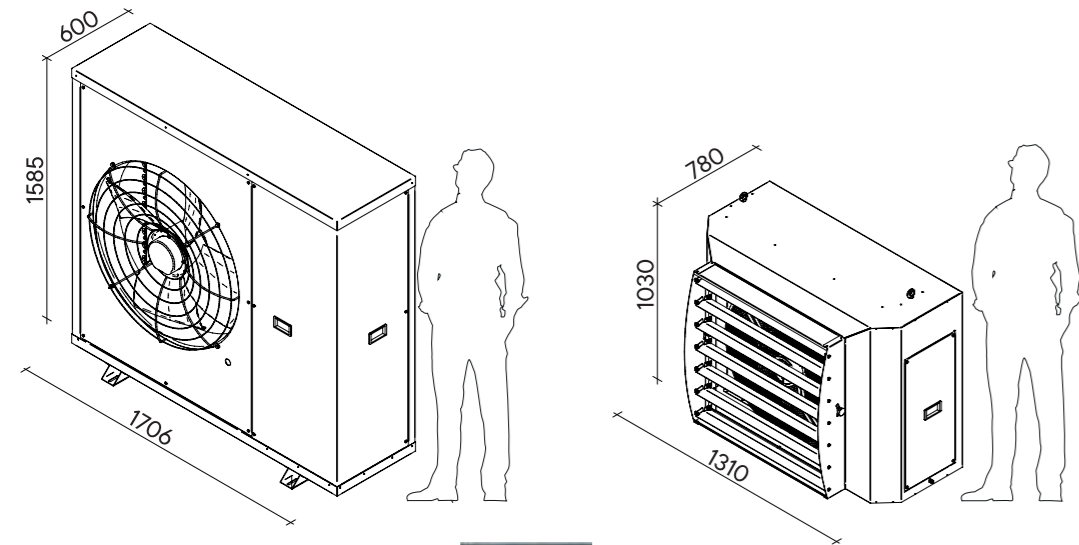
	kW	41,90	38,00
Cooling Capacity A35/A27			
EER A35/A27		4,40	4,02

Low Temperature Conditions UNI EN 14825

	Average climate		
SCOP		4,49	4,30
SEER		5,51	5,20
Energy Label		A+++	A++

General Data

Refrigerant Type		R32	
Maximum Power Input	kW	12,80	14,50
Compressors		1x - Twin Rotary BLDC - modulation 30-100%	
Inverter		1	
Indoor Unit Sound Power Level UNI EN 12101	dB (A)	64	64
Outdoor Unit Sound Power Level UNI EN 12102	dB (A)	73	73
Weight Indoor Unit	Kg	207	206
Weight Outdoor Unit	Kg	100	100



BEETLE

MK-DPCBEE002
DC.260430



BEETLE

High-efficiency heat pumps
for large-scale spaces



GSI

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COMFORT THAT SUPPORTS PRODUCTIVITY

BEETLE is a high-efficiency air-to-air split mid-power heat pump designed and manufactured in Italy. It is engineered to ensure constant comfort in large commercial and industrial spaces, indoor sport facilities, and other environments where well-being and performance are closely connected. Low noise levels, air quality, and precise temperature control help create healthier and more efficient workplaces.

It provides heating, cooling, and air recirculation even across very large surfaces. The solution is fully scalable: multiple units can operate as one system in a master-slave configuration, flexibly adapting to specific building requirements.

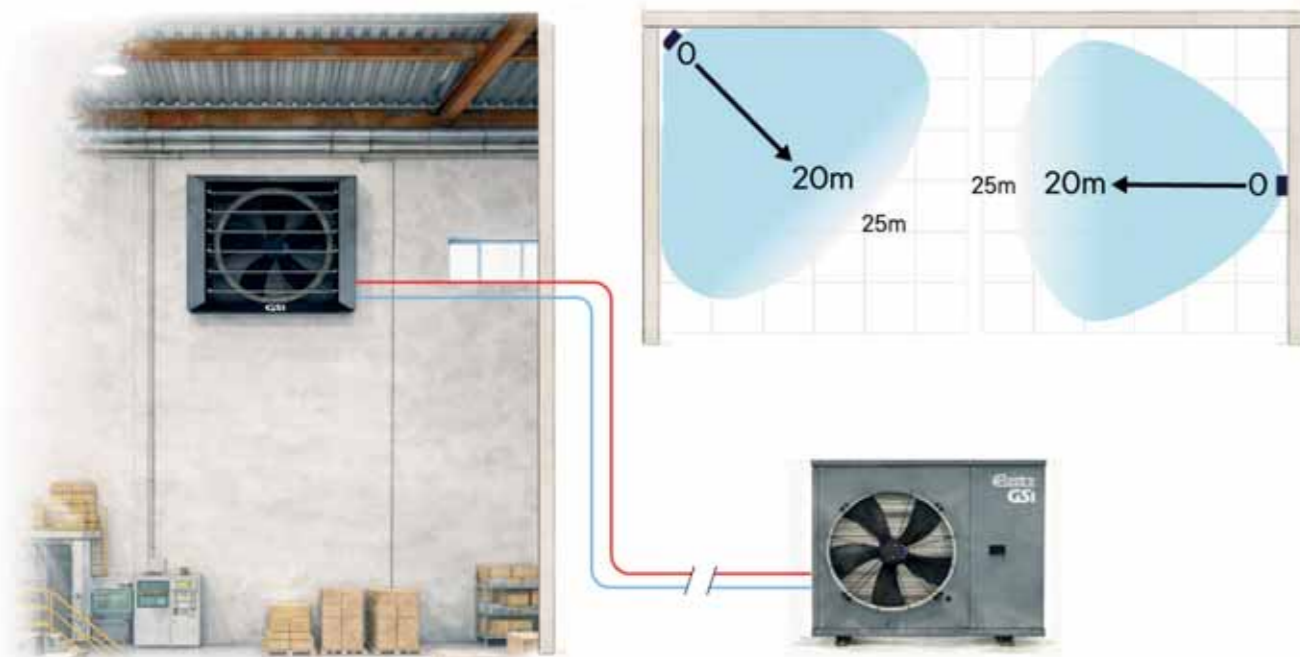
App-based management provides simple, immediate control, with access to consumption data and delivered thermal energy.



COMFORTABLE AIR AT ALL TIMES, EVEN DURING DEFROST

BEETLE intelligently manages defrost and air recirculation, preventing unpleasant cold drafts in the work area and ensuring continuous comfort.

On request, the unit can be equipped with an electric heater to provide heating support during defrost and maintain a uniform temperature. The heater can also operate as **auxiliary heating** under extreme operating conditions.



SIMPLE INSTALLATION

Supplied with pre-charged refrigerant for faster installation, reduced commissioning time, and fewer on-site operations. The split architecture offers greater layout flexibility, simplifies piping and connections, and speeds up commissioning.

LONG-DISTANCE AIR THROW

Airflow up to 25meters (effective benefits up to 20m), ensuring uniform distribution and comfort even in large spaces.

MAXIMUM FLEXIBILITY

Up to 30m distance between indoor and outdoor units, allowing easy adaptation to the building's structural requirements.



INDOOR UNIT

Wall-mountable indoor unit designed for fast and functional installation, featuring a high-performance fan and oversized heat-exchange coil. Ensures quiet operation and high thermal output. Reversible fan type to limit ambient cooling effect during defrost.

OUTDOOR UNIT

Integrates fan, coil, controller, electrical circuit, and refrigeration circuit in a compact structure. Optimized acoustic design ensures low outdoor noise emissions while maintaining high thermal performance.

SPECIAL FUNCTIONS

The system can modify its operating set via an external digital signal and can be directly managed by a BMS using Modbus over TCP/IP or RS485. Once the setpoint is reached, it can automatically switch off or keep ventilation active to prevent air stratification.

MASTER-SLAVE MANAGEMENT, CENTRALIZED CONTROL

BEETLE enables multi-unit systems in master-slave configuration with centralized management. With a single temperature setting and operating schedule, all units work in coordination, optimizing load distribution even in very large environments.



ADVANCED SUPERVISION AND CONTROL

All GSI heat pumps and control systems are ready for Internet-connected remote management and supervision. The GSI CLOUD platform stores up to 13 months of operating data, enabling analysis, diagnostics, and performance optimization over time, supporting facility managers and service teams.

GSI CLOUD provides a configurable dashboard with a clear view of key variables and trends, simplifying troubleshooting and planned maintenance.



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. Through the BEETLE App, end users can set up to three temperature levels (comfort, pre-comfort, and economy) and organize them in a daily or weekly scheduler.

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



MEVO AIR

A single system to efficiently condition and control air with maximum simplicity.