Gebwell T3 Inverter heat pump

– powerful and smart inverter heat pump for high heating demand

The Gebwell T3 Inverter is a powerful and smart IoT inverter heat pump for heating system of larger properties such as large villas, terraced houses and small apartment buildings as well as small and medium-sized warehouses and industrial buildings.

The inverter-controlled compressor on the T3 Inverter heat pump adapts the power output to current energy demand according to the time of year. Thanks to a stepless inverter control system, the heat pump always produces exactly the right level of heating required by the network - without over heating or under heating it optimizes the heating costs.

T3 Inverter heat pumps are linked to the manufacturer's cloud service, which means that they can be controlled remotely via the browser-based Gebwell Smart control centre. Service engineers can check the status of heating systems remotely via the control centre without having to go on site, which saves both time and money.

The cloud service also makes it possible to update the software on the heat pumps remotely. The data stored in the cloud service helps the manufacturer to constantly improve the technology. A number of new features that will increase the user-friendliness of the T3 Inverter and help to cut costs are in the pipeline at the moment.

The Gebwell T3 Inverter can be connected to the property's surveillance system using an optional Modbus RTU card. Compared to a mechanical valve, an electronic expansion valve adapts better to inverter-control, optimising the efficiency of the heat pump.

The compressor unit is fully insulated making the heat pump extremely quiet. The T3 Inverter's cooling module only holds 2.1 kg of R410A, which makes it exempt from annual refrigerant inspections.

- Manufactured in Finland
- Stepless thermal power
- Built-in wireless remote access
- Remote access to the Gebwell Smart control
- Continuos development throughout entire life cycle

		Gebwell T3 Inverter
GTIN		6415853626439
Power values (according to EN 14511)		
Heating output (0°/35°)	kW	9.5 - 26.5
Rated heating output (0°/55°)	kW	9.1 - 25.0
Rated heating output (0°/35°)	kW	12.6
Rated electrical power (0°/35°)	kW	2.5
SCOP (0°/35° and 0°/55° according to EN 14825)		4.87 and 4.17
System's energy efficiency class, intermediate climate, underfloor heating		A+++
Brine		Denaturated ethanol 25-30 p-%
Brine fl ow	l/s	0.45 - 1.25
Maximum allowed external pressure loss at the brine circuit nominal flow	kPa	78 (1.8 l/s)
Heating system / brine circuit maximum operating pressure (consider network pressure)	bar	6 / 6
Heating water maximum output and return temperature	°C	58-63 / 51-56
Operational temperature, collector	°C	-5... +20
Compressor		Twin rotary (frequency controlled)
Frequency converter		yes
Built-in heating pump		yes (frequency controlled)
Built-in source pump		yes (frequency controlled)
Electrical connection		400 VAC, 50 Hz, 3-phase
Contains fluorinated greenhouse gases		yes
Hermetically sealed		yes
Refrigerant		R410A
GWP (Global Warming Potential)		2088
Refrigerant amount	kg	2.1
CO_2 equivalence - tonnes CO_2e	ton CO_2e	4,385
Recommended fuse size	A	3 x 32A
Connections		
Heating pipe	mm	35
Collector	mm	35
Sound power level (L_{WA})	dB	37-56
Sound pressure level (L_{WP})	dBA	22-36
Dimensions		
External dimensions (dept x width x height)	mm	790 x 640 x 970
Weight	kg	206.5

* Levelling feet 40 - 60 mm