Gebwell G-Eco® Pro heat pump

– inverter-controlled heat pump with a natural refrigerant for buildings

Gebwell G-Eco Pro is an inverter-controlled heat pump for buildings that uses the eco-friendly and natural R290 refrigerant. R290 refrigerant, also known as propane, has a GWP of only 0.02 and an ODP of 0.

The inverter-controlled G-Eco Pro is capable of adjusting to the building's energy needs year-round. The compressor's continuously variable inverter control ensures the unit's output matches the network's requirements exactly without over or underheating, minimising your heating bills.

When connected to the manufacturer's Gebwell Smart cloud service, the G-Eco Pro heat pump can be controlled remotely through the browser-based Hub. Your maintenance company can view the status of the heating system and adjust heating settings remotely through the Hub.

The heat pump's controller can be easily updated remotely. Data stored in the cloud service helps the manufacturer implement continuous improvements.

The heat pump's electronic expansion valve is inverter controlled, allowing the heat pump to operate at optimal efficiency.

The G-Eco Pro heat pump is designed specifically for propane, and its compressor unit is completely isolated.

- Manufactured in Finland
- Continuously adjustable heating output
- Electronic expansion valve
- Controller with IoT features
- Learning and evolving system
- Monitoring and control also possible remotely through the Gebwell Smart Hub

		G-Eco Pro 120
GTIN		6430079400816
Power values (EN 14511)		
Heating output (0°/35° and 0°/55°)	kW	52.8 – 119.0 ja 50.7 - 108.0
Cooling output (0°/35° and 0°/55°)	kW	38.0 – 88.0 and 31.5 – 71.0
Electrical power (0°/35° and 0°/55°)	kW	13.8 – 29.9 and 17.5 – 39.5
Maximum electrical power	kW	40.1
Maximum operating current	A	71.5
COP (0°/35° and 0°/55°, 50 hz, EN 14511)		4.3 and 3.2
SCOP (0°/35° and 0°/55°, EN 14825)		4.7 and 3.9
The system's energy efficiency class, intermediate climate, underfloor heating		A+++
Charge circuit flow (0/35, 30–70 hz, delta T 5)	l/s	2.5 – 5.8
Collector flow (0/35, 30–70 hz, delta T 3)	l/s	3.1 – 7.2
Brine		Denatured ethanol 25–30 wt-%
Maximum allowed external pressure loss, with brine rated flow	kPa	150 (7.3 l/s)
Heating system / brine circuit maximum operating pressure (consider network pressure)	bar	10/10
Heating water maximum output temperature	°C	+63
Operational temperature, collector	°C	-5... +20 (+30)*
Compressor		Piston
Frequency converter, regulation value	hz	30–70
Built-in heating pump		no
Built-in source pump		no
Electrical connection		400 VAC, 3L+N+PE, 50 Hz
Sealed system		yes
Refrigerant		R290
GWP (global warming potential)		0.02
Refrigerant charge	kg	4.7
CO2 equivalence - tonnes CO_2e	ton CO_2e	0.000094
Sound level according to EN 3741 (0/35 and 0/55, at speeds of 870–2030 rpm)	dB(A)	59 – 62
Operating current of the protective device	A	3 x 80
Connections		
Heating network	mm	G2 1/2" it
Collector	mm	G2 1/2" it
Ventilation	mm	100
Venting discharge	mm	Cu 35
External dimensions (depth x width x height)	mm	1270 x 770 x 1870
Weight	kg	800

* temporary exceedance allowed