Gebwell Taurus Inverter Pro heat pump
– IoT inverter heat pump for heating large properties

Gebwell Taurus Inverter is an inverter-controlled heat pump for heating large properties. Taurus Inverter Pro heat pump has a controller that enables IoT features.

IoT features have been based on using the installed system data stored in the cloud service and on a smart and learning controller.

IoT features include adjustments based on weather forecasts and learning the thermal capacity and the heating/cooling behaviour of a certain property. In the future, IoT will enable proactive maintenance and adjustments according to weather forecasts, for example.

Thanks to IoT, the controller software can be updated remotely and the system can be monitored and controlled online, using a browser-based Gebwell Smart hub. Possible external interfaces to other property management systems are also possible.

Taurus Inverter heat pump has a power class of 40–100 kW with continuous adjustment and modulation by 1%. The electronic expansion valve of the heat pump adapts to power changes of the inverter compressor, optimising the efficiency of the heat pump.

Taurus Inverter heat pump has a piston compressor, which is typically serviced instead of replacement. The costs compared to replacement are significantly lower.

- Manufactured in Finland
- Easy to maintain and reliable
- Brazed plate heat exchangers
- Serviceable piston compressor
- Electronic expansion valve
- Top efficiency with partial loads
- Controller with IoT features
- Learning and evolving system
- Monitoring and control also remotely from Gebwell Smart hub

		Taurus Inverter Pro
GTIN		6415853626460
Power values		
Heating output	kW	40.1-94.9 and 30.6-82.3
Cooling output (0°/35° and 0°/55°)	kW	31.5-71.4 and 20.6-55.1
Electrical power (0°/35° 0°/55°)	kW	8.9-24.7 and 11.6-28.5
Rated heating output (0°/35° 0°/55°)	**kW**	65.3 and 52.3
Rated electrical power (0°/35° and 0°/55°)	**kW**	15.4 and 19.2
COP (0°/35° and 0°/55°)		4.2 and 2.7
SCOP (0°/35° and 0°/55°. according to EN14825)		5.1 and 4.3
Heating circuit rated flow		2.2
Brine		Denaturated ethanol 25-30 p-%
Brine flow	l/s	1.7 - 5.6
Maximum allowed external pressure loss at the brine rated flow	kPa	140 (2,9 l/s)
Heating system / brine circuit maximum operating pressure (consider network pressure)	bar	6 / 6
Heating water maximum output temperature	°C	0 / ~75-80
Operational temperature. collector	°C	-5...+25
Compressor		Piston. 6-cylinder
Number of compressors		1
Built-in heating pump		yes
Built-in source pump		yes
Electrical connection		400 VAC. 50 Hz. 3-phase
Fuses (without electric immersion heaters)	A	3x80
Contains fluorinated greenhouse gases		yes
Hermetically sealed		yes
Refrigerant		R513A
GWP (Global Warming Potential)		631
Refrigerant amount	kg	23
CO2 equivalence - tonnes CO2e	ton CO_2 kg	14.51
Sound power level	dBA	50-54
Dimensions		
Outer dimensions (length x width x height)	mm	1300 x 700 x 1860
Weight	kg	876
Connections		
Heating network		DN50 - G2" et
Collector		DN50 - G2" et