

High-efficiency ground-to-water heat pump

SI22TU

The SITU range of ground source heat pumps is able to meet heat loads from 18kW to 138kW with a single unit. If banked together, it is possible to achieve outputs up to 1932kW. The high efficiency design delivers excellent seasonal performance which helps to meet building regulations and reduce running costs.



- High efficiency single compressor ground source heat pump with economiser. Designed for indoor installation.
- Product supplied with integral WPM Econ5Plus controller, NTC-10 external weather sensor and integrated flow and return sensors.
- Supplied with electronic soft starter, relays for brine circulation pump and brine circuit strainer.
- Reduced operational noise due to built in insulation and double vibration-isolated compressor plate.



Model Reference	SI22TU
Max. flow temperature	58 °C
Brine operating temperatures	-5 to 25 °C
Heat output / COP @ B0/W35*	
1 compressor	22.90 kW / 4.40
Heat output / COP @ B0/W45	
1 compressor	22.30 kW / 3.58
Nominal power consumption at B0/W35*	4.93 kW
Sound power level	53 dB (A)
Refrigerant	R407C / 3.7 kg
Max. heating water flow rate / Pressure drop	4 m ³ /h / 31000 Pa
Heat source flow (min.)	5.5 m ³ /h
Dimensions (W x H x D)	650 x 845 x 665 mm
Weight	184 kg
Rated voltage	3/PE ~400 V, 50 Hz
Starting current with soft starter	25 A
Recommended fuse protection**	C 20 A
Connection heating	G 1 ¼ inch
Heat source connection	G 1 ½ inch
ETL listed	No
MCS Certified	Yes
SAP Q listed	Yes

*Determined in accordance with EN14511.

**Fuse and cable to be determined in accordance with BS7671