

CTC EcoAir 520M

4,9-22 kW Modulating air/water heat pump



CTC EcoAir 520M has been fitted with a completely new speed controlled compressor that adjusts the power required and provide very high COP values.

CTC EcoAir 520M is equipped with the latest in heat pump technology and can offer very good performance. The design is based on the proven EcoAir 400 series with high finish and good design.

During the development the focus has been to maintain the appreciated characteristics of other products in the EcoAir family. The result is a product with very high COP and low noise levels. The product is equipped with a new speed controlled compressor that efficiently adapts to your and your real estate needs.

CTC EcoAir 520M takes energy from the air and converts it into domestic hot water and heat for your radiators or floor heating. CTC EcoAir 520M is easy to install, and requires no holes or coils in the ground. EcoAir 520M has on-demand automatic defrost which reduces the need for defrosting to a minimum. This produces more heat, more power and a longer life. The EcoAir 520M has a condensation water tray with built-in heater as standard.

Benefits:

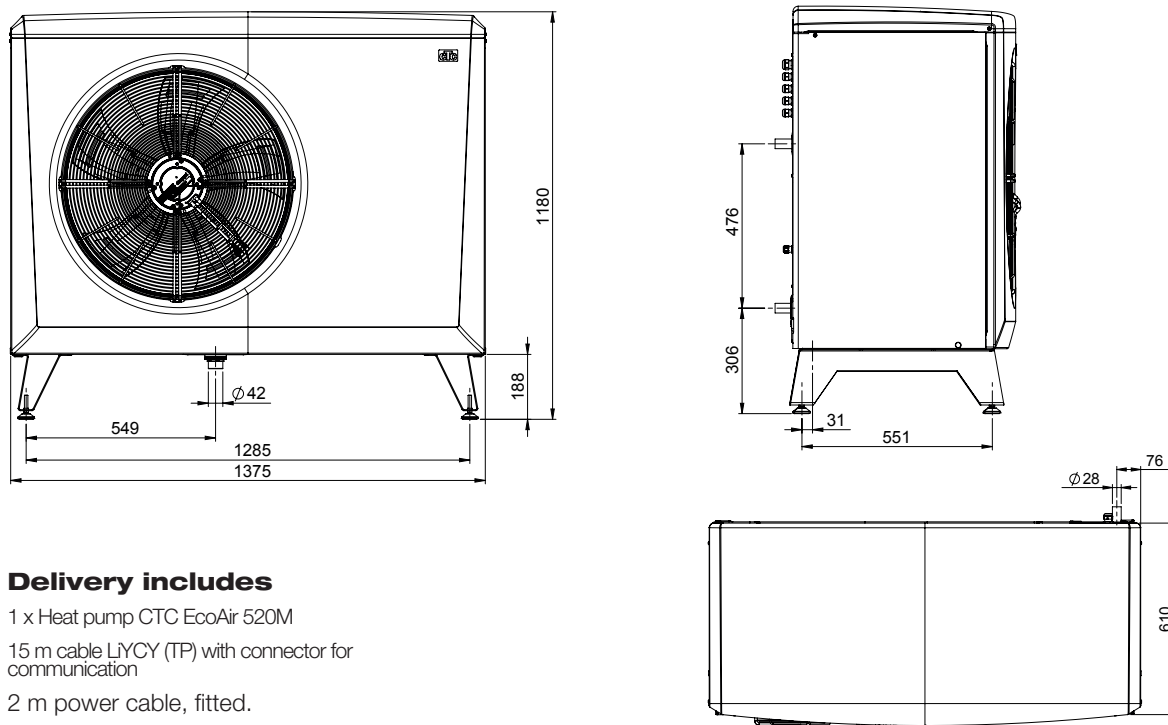
- Equipped with a new speed controlled compressor
- SCOP 4.5
- The compressor speed and power adapts to your and your real estate needs
- Electronic expansion valve for optimum operation.
- Condensation water tray with built-in heater as standard.
- Provides heat down to -22°C outside temperature and produce up to 65°C hot water
- The most efficient and quietest air/water heat pump we've ever developed.



* Energy class heating, in package with built-in control

For more information on all CTC products please visit
www.ctc-heating.com

Dimensional drawing of the CTC EcoAir 520M heat pump



Delivery includes

- 1 x Heat pump CTC EcoAir 520M
- 15 m cable LiYCY (TP) with connector for communication
- 2 m power cable, fitted.

CTC EcoAir 520M		
Dimensions (H x W x D)	mm	1180 x 1375 x 610
Weight	kg	186
Electrical data		400V 3N~
Energy class heating 35/55°C (in package with control)		A+++/A++
Energy class heating 35/55°C (without control)		A++/A++
Nominal heating (P _{designh}) 35/55°C	kW	9/8
Max. specified output compressor	kW	21,8
Input power ¹⁾	kW	0.9 / 3.8
SCOP average climate 35°C (EN14825)		4,5
SCOP cold climate 35/55°C (EN14825)		3.8 / 3.1
COP ¹⁾		5.24 / 2.71
Compressor / Oil type		Inverter scroll / PVE FV50S
Max start current	A	4.9
Water volume	L	2.8
Refrigerant quantity (R407C, fluorinated greenhouse gas GWP 1774)	kg	2.7
CO ₂ -Equivalent ²⁾	tonnes	4,790
Break value pressure switches HT	bar	31
Max. operating pressure water (PS)	bar	2.5
Air flow 100%	m ³ /h	6200
Fan speed	rpm	Modulating
Fan, max power	W	170
Sound power ³⁾ (EN12102 vid A7/W35)	dB(A)	55,4
Sound pressure 5m ³⁾ (EN12102 vid A7/W35)	dB(A)	32-35
Sound pressure 10m ³⁾ (EN12102 vid A7/W35)	dB(A)	26-29

¹⁾ At 35°C water temperature. +7 @ 20 rps / -7 °C @ 90 rps. According to EN 14511. ²⁾ CTC EcoAir is **not** covered by the annual check for leaking refrigerant.

³⁾ The sound specified should be regarded as an indication since the level is affected by the compressor's and the fan's speed, as well as the surroundings. The upper value corresponds to 100% reflecting ground and walls (smooth concrete).

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