

CTC EcoTouch 5000

Output range 48–85 kW



Functions

- Heat pump for medium output requirements
- Output setting 50% or 100%
- 4.3" colour touchscreen
- Web interface allowing the potential for remote monitoring
- EasyCon – intuitive control software
- Advanced control system with multiple sensors
- COP counter and operating data display
- Cascade control of up to 8 units
- Heating of domestic hot water with external accumulator tank
- Signal for controlling the speed of the circulation pump
- Installation connections on the rear
- Unit dimensions (D x W x H):
866 x 1130 x 1306 mm

Benefits

- Low operating costs thanks to high COP values
- Smart output control for different operating modes
- Easy-to-service design
- Innovative control software with mobile control
- Can be integrated with the Internet
- Shows current and historical COP values
- Anthracite-coloured casing with durable powder coating



A+++ : Energy efficiency class for combined systems (incl. WWPR II regulator) heating W10/W55, deviations within the series are possible.

Powerful and compact heat pumps

The CTC EcoTouch 5000 series covers a wide output range of 48–85 kW. By connecting a water tank, the heat pump becomes a complete heating system.

On-demand performance

The highly efficient compressors can be operated individually or together. This facilitates flexible output control in two stages. Depending on requirements, the output level can be adjusted to 50 % or 100 %.

Optimum quality in every component

The casing is made of thick steel plate and is equipped with an effective sound insulation. In this way, a low noise level can be guaranteed, even at the highest output level.

Simple operation and mobile control

The EasyCon software combines technical complexity with intelligent ease of use. Remote monitoring is simple and convenient using a smartphone, tablet or computer with the EasyCon mobile app.

Technical data

CTC EcoTouch 5000 series 48–85 kW	Unit	5048	5055	5065	5070	5085
Input power/rated output B0/W35, (compressor)	kW	10.4/47.6	12.0/56.6	13.6/64.2	15.2/71.4	18.3/84.6
Output figures according to EN 14511	COP	4.45 (4.57) ³⁾	4,58 (4.72) ³⁾	4.58 (4.71) ³⁾	4.56 (4.70) ³⁾	4.45 (4.61) ³⁾
Energy efficiency class in heating circuit @ 35/55°C		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Flow in flow heat source ²⁾ , ΔT=3K	m ³ /h	11.9	14.3	16.2	18.0	21.2
Pressure losses in the evaporator	Kpa	16.67	18.63	19.61	20.59	24.51
Water flow in heating system, ΔT=5K	m ³ /h	8.2	9.7	11.1	12.3	14.6
Pressure losses in condenser	Kpa	6.86	7.84	7.84	8.82	10.78
Operating limit		B -5/W50 B0/W55 B5/W58				
Compressor		Hermetically sealed scroll compressor				

Electrical data

Voltage, compressor		400V 3N~ 50Hz				
Locked rotor current	A	111	118	118	140	174
Locked rotor current with soft-start ¹⁾	A	56	59	59	70	87
Max operating current	A	2 x 21	2 x 22	2 x 25	2 x 31	2 x 34
Main fuse for the heating medium	A	C 50 A	C 50 A	C 63 A	C 80 A	C 80 A
Control fuse for the heating medium	A	B 10 A	B 10 A	B 10 A	B 10 A	B 10 A

Dimensions, weight, connections

Volume compr., filling with oil	l	2 x 3.38	2 x 3.38	2 x 3.38	2 x 3.38	2 x 3.38
Refrigerant quantity, R410A	kg	9.0	9.0	9.5	10.3	10.6
Content, heating side	l	8	9	10	11	12
Content, heat source side	l	8	9	10	11	12
Weight of the unit	kg	312	327	338	357	370
Connections: Heat source/use		Flat seat R 2" a / R 2" a				
Dimensions D x W x H	mm	866 x 1130 x 1306				

¹⁾ The products in the series are factory fitted with soft-start relay. Model names as follows: 5048 AD, 5055 AD, 5065 AD, 5070 AD, 5085 AD.

²⁾ Heat source (70% water + 30% ethylene glycol).

³⁾ Output figures, compressor.

Dimensions diagram

