

Efficiency at its most beautiful

High end heat pump | EcoTouch DA 5018 Ai



EcoTouch DA 5018 Ai | Output range from 6 – 18 kW



Flexible performance

The DA 5018 Ai, as the indoor unit with water tank, forms a system with the ES 7018. Equipped with a speed-controlled scroll compressor and inverter controller, power can be called upon as required.

Equipped for mobile control

The floor unit with award-winning design has very high-quality features. These include a web interface, the 4.3 inch colour touch-display and the easy to use, completely mobile control software.

Supply of hot water on demand

The power reserves of the DA 5018 Ai permit coupling with domestic hot water tanks to suit your needs. Tanks with a capacity from 300 to 1,000 litres from the EcoStock series can be combined.

Long service life

The DA 5018 Ai impresses with very good performance figures and the long service life to be expected from WATERKOTTE. The attractive design, optionally in stainless steel look, can be integrated excellently into your living area.

Features of indoor unit

- Dynamic heat pump for individual needs
- Speed-controlled scroll compressor
- 4.3 inch touch display in colour
- Integrated WebInterface for remote monitoring
- Intuitive control software EasyCon
- Sensor system with numerous sensors
- COP counter and display of all operating data
- Domestic hot water heating, external tank provided by the customer
- Chlorine-free refrigerant R410A without damage to ozone
- Speed-controlled circulation pump, efficiency class A
- Integrated electrical heating element 6 kW
- Integrated Silenter® vibration damper
- Service-friendly design of unit
- Connections installed on rear side
- Unit dimensions: (W x H x D) 600 x 1470 x 633 mm

Features of outdoor unit

- Air outdoor unit with owl wing fan
- Noise-optimised ventilation grille

Optional accessories

- Connection set
- Controller expansion for:
 - Second heating circuit e.g. for swimming pool heating
 - Use of thermal solar energy
 - Additional mixer circuits

Highlights

- Touch display with innovative EasyCon® software
- Smartphone control via EasyCon Mobile
- Reduced space requirement
- Scalable hot water supply with EcoStock
- Housing in white high gloss or stainless steel look

EasyCon Software | The new type of control



Touch symbols in colour

As the name suggests, EasyCon makes the operation of your heat pump even easier. The software uses simple, self-explanatory symbols like on a Smartphone. The symbols on the colour touch-display of the EcoTouch units require only a light touch.

This is as easy as it gets

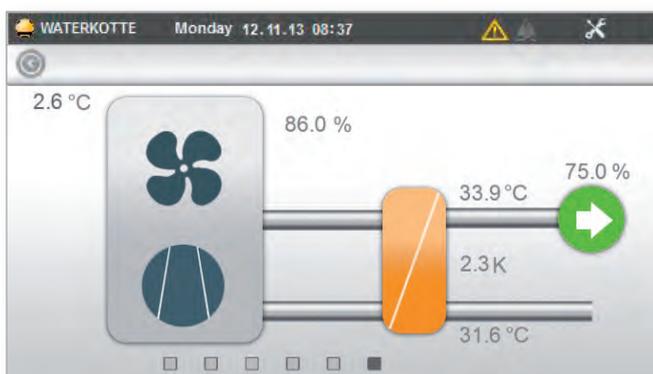
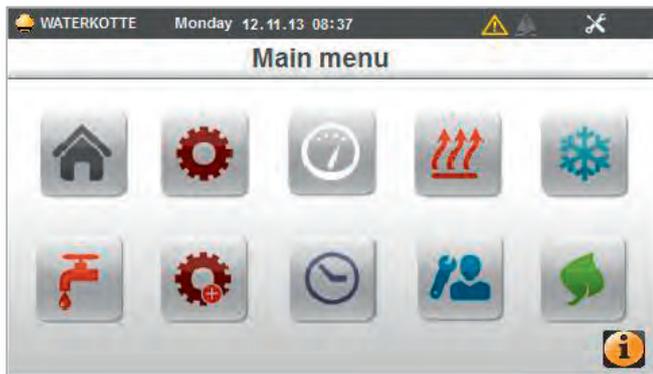
The symbols, also referred to as icons, are self-explanatory. You therefore always have quick access to all important functions of the unit. Setting the desired temperature or timer program is child's play. Operating a heating system without the operating manual has never been easier.

Comprehensive data evaluation

On the large colour display you can evaluate a variety of data. The actual consumption data, performance data and operating states are clearly displayed in graphics. This is made possible by the data acquisition by the sensor system and the mathematical analysis by EasyCon.

Fully integrated into the Internet

The particularly advanced feature of EasyCon, in addition to icon control, is its full integration into the Internet. As a standard, all heat pumps in the EcoTouch series are connected to the network via the touch-screen. The free app EasyCon Mobile allows you to control your heat pump even while you are on the move.



Features of the control unit

- Touch sensitive screen, size 4.3"
- Display of 65,000 colours in format 16:9
- LED backlight
- Hardware architecture 32 bit
- Computer speed 50 x 1.6 MIPS
- Windows CE operating system
- WebInterface NetBase, preinstalled as standard
- External access via LAN and USB

Software

- Icon controlled
- Menus based on WATERKOTTE control logic
- Continuous calculation of comprehensive measured values
- Efficient automatic system for heating and cooling mode
- Preprogrammed for additional control circuits such as:
 - Use of thermal solar energy
 - Photovoltaics
 - Second heating circuit e.g. for swimming pool heating
 - And three additional mixer circuits
- Energy management included
- Bivalence point allows alternate and parallel configuration
- Buffer memory for saving configuration data
- Remote control via app EasyCon Mobile
- Automatic screen saver

Ease of use

- Access to central menu items via Quicklinks
- Dynamic display of refrigerant circuit
- Continuous measurement of COP
- Continuous information on system status
- Automatic e-mail in case of malfunctions
- Continuous display of important measured values
- Display of graphics for performance trends
- Use of individual timer program
- Full Internet connection

EasyCon Mobile | Control via Internet



Quick and convenient via Internet

EasyCon Mobile allows you convenient access to your heat pump at any time via Smartphone or tablet computer. This is made possible by an Internet connection that you can establish with your heat pump via the application and a web interface.

Free of charge and easy to install

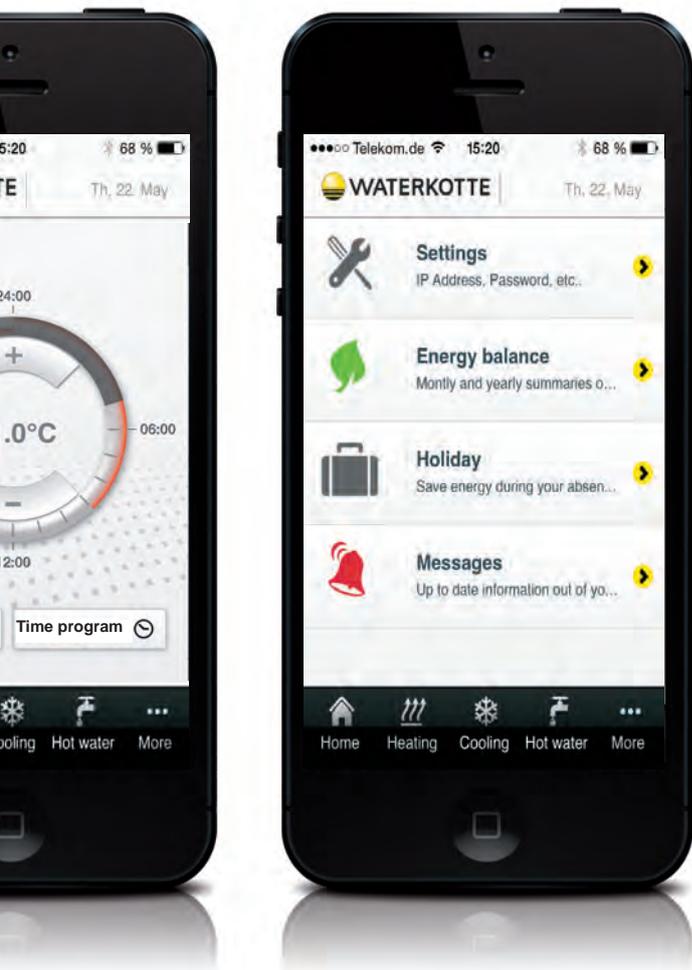
EasyCon Mobile is available free of charge as an Apple, Android and Windows 8 app for your Smartphone or your tablet computer. Simply download from Internet and install. Then enter your heat pump ID, and you are connected.

Control your heat pump from anywhere

The menu structure of the app is like the control software that is installed on your heat pump. This allows immediate and intuitive navigation. With the software you are able to send mobile control commands, or check data evaluations.

More ease of use and less costs

EasyCon Mobile allows you to control your heat pump from anywhere. This results in real ease of use. If, for instance, you are on your way home from a holiday, you can already turn up the heat. Saving costs has never been so much fun.



Features

- Control and monitoring software for heat pumps
- Multilingual full version
- Intuitive menu structure
- Available as Apple, Android and Windows 8 app
- Can be installed on Smartphones and tablet PCs
- Expandable, e.g. for living area ventilation

Technical requirements

- Available LAN network
- Existing Internet access via provider
- Router with a spare RJ45 connection
- WATERKOTTE EcoTouch series heat pump

Highlights

- Free control software
- Availability of all operating functions
- Continuous system overview
- Comprehensive display of measured data
- Active system messages from the heat pump
- System app can also be used for other units

Technical data | EcoTouch DA 5018 Ai

Technical data EcoTouch DA 5010.5 / DA 5018 Ai		5010.5	5018.5
Heat output, controlled up to (A-7/W35)	kW ¹⁾	8.1	13.5
COP at A-7/W35		3.1	3.1
Heat output during monoenergetic operation (A-7/W35)	kW	14.1	19.5
Heat output, controlled up to (A2/W35)	kW	9.1	16.0
COP at A2/W35		3.9 (at 8.1 kW)	4.2 (at 8.2 kW)
Cooling output (A35/W7)	kW	4.5	6.3
Space heating energy efficiency class		A++	A++
Space heating energy efficiency class of the package ²⁾		A++	A++
Residual head. heating side	mWS	2.3	2.3
Air volume flow	m ³ /h	4000	4500
Operating limit		A-20/W55; A-4/W65	
Compressor		scroll inverter	
Refrigerant		R410A	
Sound pressure level (outdoor module), 4 m free field	dB(A)	34	34

Electrical data			
Electrical power supply (three-phase)	(V. phase. Hz)	--	380-415. 3. 50
Electrical power supply (single-phase)	(V. phase. Hz)	220-240. 1. 50	--
Max. operating current	A	20	13
Max. power input	kW	4,3	8,0
On site control fuse	A	10	10
Electrical resistance heater	kW	6	6

Dimensions, weights, connections			
Weight outdoor unit (alu. housing)	kg	93	93
Weight indoor unit	kg	164	164
Filler, refrigerant filling R410A	kg	4,5	6
Heater connections		R1¼" ext.	R1¼" ext.
Dimensions indoor unit W x H x D	mm	600 x 1470 x 633 (+35 connect.)	
Dimensions outdoor unit W x H x D	mm	1188 x 1127 x 563	

Subject to technical changes.

¹⁾ Tolerances as per EN 12900 apply to the performance data listed above. ²⁾ A WATERKOTTE controller WWPR2 class II is installed.
For individual technical data and filling capacities of your heat pump system, please refer to type plate..



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