

# Operating instructions

Marine air conditioning plants

BlueCool A-Series Air handler



 Webasto



## 1 About this document

### 1.1 Purpose of the document

This operating instructions are part of the product and provides the user with information on the safe operation of the unit.

### 1.2 Using this document

- Before operating the unit, read this operating instruction and the supplementary sheet "Important Information on Operating and Installation Instructions".
- Keep these operating instructions ready to hand.
- Hand these operating instructions on to the following owner or user of the unit.

### 1.3 Use of symbols and highlighting



#### WARNING

##### Type and source of the risk

**Result: non-observance can lead to severe or mortal injuries.**

- Actions to protect yourself against risks.



#### CAUTION

##### Type and source of the risk

**Result: non-observance leads to property damage.**

- Actions to protect yourself against risks.



#### Note on a special technical feature

Disregard can result in damage to the plant or its surroundings

Highlight	Explanation
✓	Requirements for the following necessary action
▶	Necessary action

#### 1.4 Warranty and liability

Webasto shall not assume liability for defects or damage that are the result that the installation and operating instructions as well as the instructions contained therein being disregarded. This liability exclusion particularly applies for:

- ▶ improper use
- ▶ repairs not carried out by a Webasto service workshop
- ▶ use of non-genuine parts
- ▶ conversion of the unit without permission from Webasto

## 2 Safety

### 2.1 Intended use

The air handler is approved only for installation in ships.

### 2.2 Regulations and safety instructions

▶ Regulations on the supplementary sheet "Important Information on Operating and Installation Instructions" must be observed.

### 2.3 Safety precautions



#### CAUTION

**Ignition of surrounding gases or highly flammable liquids by sparking of the air-conditioning system!**  
**Danger of fire and explosion of ship or of petrol station.**

- ▶ The air-conditioning systems must ALWAYS be switched off during refuelling or while in a petrol station area.

## 3 Description

The BlueCool MyTouch is the standard control element for the BlueCool A-Series air handlers and enables easy operation and setting of the connected plant. The screen is designed as a touch screen. System operation is described in the following. The BlueCool air handler is controlled via the BlueCool MyTouch and the connected electrical box for the air handler.



#### WARNING

##### Damage to BlueCool MyTouch

- The screen should not come in contact with any other electrical devices as electrostatic discharge could cause malfunctions.
- Do not use pointed or sharp objects to operate the screen and do not exert excessive pressure with your fingers.



### Notes

- It is recommended to operate the screen with your fingers.  
The touch sensitivity of the screen is optimised to direct contact with the fingers. The screen may not respond to touch if gloves are worn.
- Tapping outside the touch-sensitive area at the edge of the screen may not be recognised.

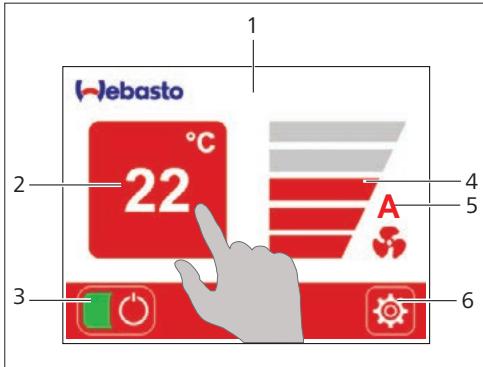


Fig. 2 Design 2

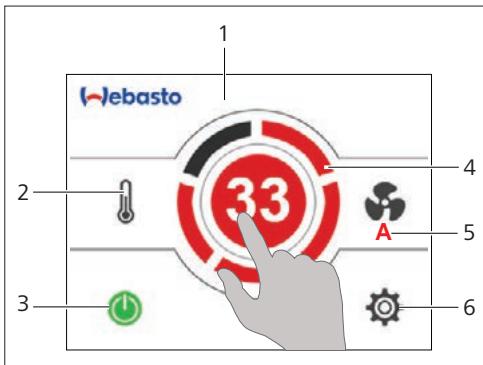


Fig. 3 Design 3

The illustrations show examples of design 1 to 3.

- 1 Home screen
- 2 Temperature setting
- 3 ON/OFF
- 4 Fan display
- 5 Automatic mode indicator (only in automatic mode)
- 6 Settings

## 4 Home screen and symbols

There is a choice of 3 different designs of the Home screen with temperature and fan setting. The functions are the same.

To change the design (in settings menu ) see „9.1 Selecting Settings menu“ on page 6.

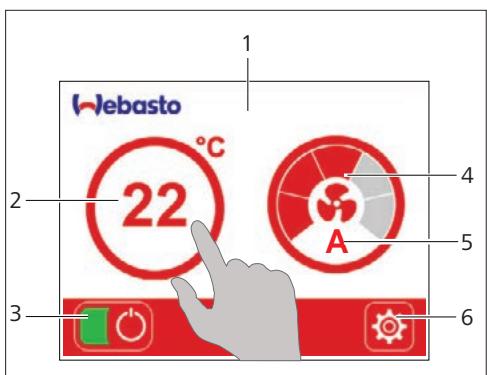


Fig. 1 Design 1

The symbols on the Home screen provide information on the system status. The symbols are explained in the table below:

Symbol	Meaning	
1		On/Off
2		Temperature
3		Fan
4		Settings
6		Notification
7		Increase values
8		Decrease values
9	AUTO or A	Automatic setting
10		previous
11	22	Setpoint temperature
12		previous
13		Forward
14		Select
15		Home screen
16		Scroll up
17		Scroll down
18		Display selection

**Fig. 4 Meaning of symbols**

## 5 Standby

The screen will go to Standby mode after 5 minutes if no entries are made on the screen. Tap anywhere on the screen to call up the Home screen.

## 6 Notification

The notification symbol appears on the bottom status line to draw your attention to the current status of the plant. Tap on the symbol to show the corresponding status message.

## 7 ON/OFF

– When the screen is switched off:

► Tap the screen.

The screen switches on.

– When the screen is switched on:

► Tap .

The colour of the ON/OFF symbol indicates the operating status (green = switched on, grey = switched off).

## 8 Operation

After switching on, the control system starts up the air handler in steps and then assumes normal operation. The control element now shows the current temperature where the temperature sensor of the air handler is installed. Depending on the installation location, this may also be the temperature of another cabin for example.

After approx. 20 seconds, the base colour of the control element changes to indicate the operating mode (cooling or heating) the air handler was started in. Blue indicates cooling mode, red heating mode. The selection is dependent on the set setpoint temperature and the room temperature measured by the cabin temperature sensor. The plant will assume standby mode if the cabin temperature and the setpoint temperature are the same.



### Note

- The plant only cools under the following conditions:  
cabin temperature  $> 15^{\circ}\text{C}$ . Set-point temperature  $<$  cabin temperature.
- The plant only heats under the following conditions:  
cabin temperature  $< 29^{\circ}\text{C}$ . Set-point temperature  $>$  cabin temperature.

To activate cooling or heating mode, the central chiller unit must be switched on and the cold water circuit must have already been sufficiently heated up or cooled down.

In automatic mode the fan remains set to speed 1 until the cold water temperature is lower (cooling) or higher (heating) than the cabin temperature.

In cooling mode, the cold water temperature is significantly below  $15^{\circ}\text{C}$  and above  $40^{\circ}\text{C}$  in heating mode.

## 8.1 Setting setpoint temperature

To set the required cabin temperature:

- Tap on the temperature or  on the Home screen.

The setpoint temperature appears to the right.

- Tap Plus  or Minus  to increase or decrease the setpoint temperature.

The Settings menu is automatically exited after 30 seconds and the value last set is adopted.



### Note

Alternatively:  
Save and exit menu immediately:  
► Tap Previous .

## 8.2 Setting fan speed

- To set the required fan speed tap on Fan  on the Home screen.

With automatic mode selected, the symbol A appears on the Home screen. The control system of the air handler automatically adapts the fan speed.

To manually adapt the fan speed:

- Tap the fan  symbol.

- You can now change the displayed fan speed by tapping Plus  or Minus .
- Tap (A) when you wish to return to automatic mode.

The Settings menu is automatically exited after 30 seconds and the value last set is adopted.



### Note

Alternatively:  
Save and exit menu immediately:  
► Tap Previous .

## 9 System settings

The operating logic is explained based on the Timer function. The explanation also applies to other setting levels or functions.

 Settings	 1/3 
Timer	01:00
Brightness	50
Language	English

**Fig. 5 Example, Settings, setting level 1**

To call up settings:

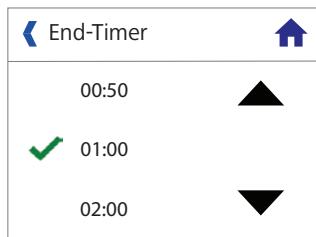
- Tap the Settings  symbol.

The Settings menu opens up.

- Tap  or  to select the various settings.

Timer	01:00
-------	-------

- Tap Timer . The setting window for this function opens up.



**Fig. 6 Timer**

- ▶ Tap to reduce the time interval or tap to increase the time interval.
- The symbol marks the current selection.
- ▶ Tap on the required time to set the time interval.
- ▶ Tap the Previous symbol to go to the previous level. The selected settings are then adopted.

or:

- ▶ Tap the Home screen symbol to return to the Home screen.

The selected settings are then adopted.

## 9.1 Selecting Settings menu

You can call up the Settings menu from the Home screen:

- ▶ Tap the Settings symbol.

The Settings menu opens up. The available functions are:

### 9.1.1 Timer

Sets the start and stop times of the air handler.

With the plant already switched on:

The timer acts as a remaining time counter. The air handler switches off automatically after the set time runs down.

With the plant switched off:

The timer acts as a start timer. The air handler starts up automatically after the set time has elapsed.

It is not possible to program a switch-on and switch-off time at the same time.

### 9.1.2 Brightness

Adapts the screen brightness to the ambient light levels.

### 9.1.3 Language

Sets the operating language.

### 9.1.4 Design

Changes the screen design.

### 9.1.5 Colour

Adapts the background colour.

### 9.1.6 Standby

Sets the BlueCool MyTouch display to standby mode. The available functions are:

- **Webasto Logo**

Shows the Webasto logo.

- **Customer logo**

Shows the customer logo.

- **Cabin temperature - bright**

Shows the current cabin temperature at high brightness levels in areas with bright ambient light.

- **Cabin temperature - dark**

Shows the current cabin temperature at low brightness levels in areas with little ambient light.

- **Display off**

No display in standby mode.

- **Operation indicator**

An illuminated dot indicates that the plant is ready for operation.

- **Standby off**

Home screen remains active.

### 9.1.7 Key tone

For setting whether the control element makes a sound when you touch the surface of the screen.

### 9.1.8 °C / °F

Sets the temperature display in degrees Celsius °C or degrees Fahrenheit °F.

### 9.1.9 Cleaning

Disables the screen functions for 30 seconds to clean the surface.

## 10 Fault codes

Fault code Display	Description	Possible cause	Correction
A09	Fault, cabin temperature sensor	Cabin temperature sensor defective, break/short-circuit in electrical circuit, cabin temperature sensor not connected.	Please contact your authorised Webasto Marine dealer.
A10	Malfunction, water temperature sensor	Water temperature sensor defective or break/short-circuit in electrical circuit.	Electrical wiring defective. Power circuit interruption/short circuit.
INIT	Initialisation procedure or system blocked.	Fuse faulty or break/short-circuit in this electrical circuit.	Secure adequate air or water flow
n.a.	No pc-board output.	Pc-board damaged by high voltage (RT1 blown)	Switch on the chiller unit and check whether the cold water circuit reaches the required temperature for cooling or heating.
n.a.	No or insufficient cooling or heating capacity.	Poor air or water flow. Chiller unit not switched on.	Check whether the temperature sensor is subject to direct fault sources such as direct sunlight or devices radiating heat.
n.a.	Incorrect cabin/ambient temperature or water temperature displayed.	Temperature sensor positioned incorrectly, subject to interference or display values fare not correct.	Please contact your authorised Webasto Marine dealer.

In multilingual versions the German language is binding.

The telephone number of each country can be found in the Webasto service centre leaflet or the website of the respective Webasto representative of your country.

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