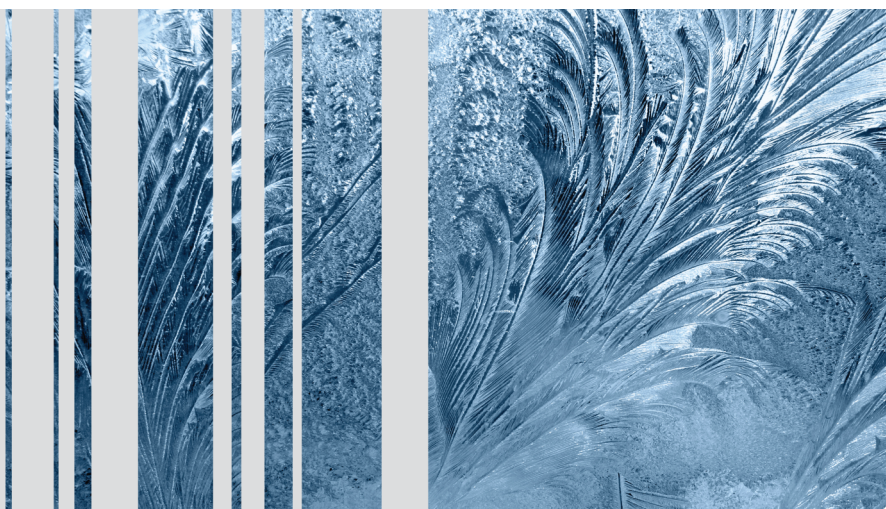
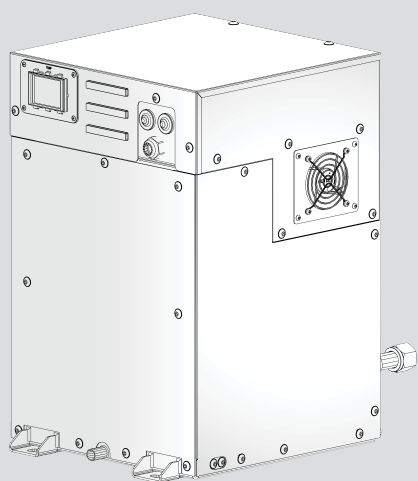


Operating Instructions

Marine chiller air conditioning BlueCool VX Series



English

Valid for BlueCool VX Series as of change index A (2023 ->):

VX36 M -230V -REV -R32 2510530A

VX48 M -230V -REV -R32 2510531A

VX60 M -230V -REV -R32 2510532A

VX72 M -230V -REV -R32 2510533A

VX120 M -230V -REV -R410A 2510534A

VX72 M -208V -REV -R32 2510535A

Table of Contents

1	About this document	3
1.1	Purpose of this document.....	3
1.2	Using this document.....	3
1.3	Use of symbols and highlighting	3
1.4	Warranty and Liability.....	3
1.5	Webasto Service App.....	3
2	Safety	3
2.1	Intended Use	3
2.2	Regulations and Legal Requirements.....	3
3	Unit details	3
3.1	Conformity	3
3.2	Product Variants	4
3.3	Type label	4
4	Operation	4
4.1	Remark.....	4
4.2	Home Screen and Symbols	4
4.3	Settings	5
4.4	Settings Menu	6
5	Inspection and Maintenance.....	6
5.1	Sea Water Circuit.....	6
5.2	Cold Water Circuit	7
5.3	Damage to the Refrigerant Circuit	7
6	Decommissioning.....	7
7	Malfunctions.....	8
7.1	Status / Error Message Table.....	8
8	Appendix	11
8.1	Parameter settings.....	11

1 About this document

1.1 Purpose of this document

The Operating Instructions (OI) are an integral part of the product and provide the information required to ensure correct and safe operation.

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

This document uses warning labels and colors for hazard classification in accordance with ISO 3864: See also <https://www.iso.org/standard/55814.html>.



DANGER

This signal word denotes a hazard with a high degree of risk which, if not avoided, will lead to death or serious injury.



WARNING

This signal word denotes a hazard with a moderate degree of risk which, if not avoided, may lead to minor or moderate injury.



CAUTION

This signal word denotes a hazard with a low degree of risk which, if not avoided, may lead to minor or moderate injury.



NOTICE

This signal word denotes a Special Technical Feature or (if not observed) potential damage to the product.



Refers to separate documents which are enclosed or can be requested from Webasto.

✓ Requirements for the following necessary action.

1.4 Warranty and Liability

Webasto shall not assume liability for defects or damage that are the result of the Installation Instructions / Operating Instructions and the information contained therein being disregarded.

In particular, this liability exclusion applies to:

- Improper use.
- Repairs carried out by a party other than a Webasto service workshop.
- Use of non-original parts.
- Modifications to the unit without the consent of Webasto.

1.5 Webasto Service App

The type label of the VX unit (see chapter 3.3, "type label" on page 4) contains a QR code that can be used to call up additional technical documentation in several languages. For this purpose, please use the Webasto Service App, which is available as a download for iOS (Apple) and Android (Google). For more information regarding the app, visit:

<https://dealers.webasto.com>

2 Safety

2.1 Intended Use

The BlueCool VX-Series is used for heating and cooling on boats and ships.

The BlueCool VX-Series has been designed and constructed according to the current state of technology and the recognized safety rules.



DANGER

Improper or inappropriate use may result in danger to life and limb of the user and others, as well as impairment of the unit and other property.

Any other use of the product is not permissible.

Any other use of and/or changes to the product, including as part of assembly and installation, will result in any and all warranty claims being voided.



WARNING

Moving parts

Risk of injury, damage to the product.

The BlueCool VX-Series must only be operated in their final installed position.



WARNING

Ignition of surrounding gases or highly flammable liquids by sparking of the BlueCool VX-Series.

Always switch off the air conditioning system when refueling, or while in a filling station area.



WARNING

The unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the unit by a person responsible for their safety.

- ▶ Children should be supervised to ensure that they do not play with the unit.
- ▶ Cleaning and user maintenance must not be carried out by children.
- ▶ This unit should not be accessible to the public.
- ▶ Non-observance of these precautionary measures may lead to severe or mortal injuries.

2.2 Regulations and Legal Requirements

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

3 Unit details

3.1 Conformity

- 2014/30/EU Electromagnetic compatibility (EMC)
See also: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32014L0030&qid=>
- 2006/42/EC Machinery Directive
See also: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32006L0042&qid=1678353600345>.
- 2011/65/EU RoHS
See also: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32011L0065&qid=1678353780822>

Webasto air conditioning units are designed so that, when installed, they do not exceed the emission sound pressure level threshold as defined in the Machinery Directive 2006/42/EC paragraph 1.7.4.2. (u).

3.2 Product Variants

Chiller unit:

- VX36 M -230V –REV –R32
- VX48 M -230V –REV –R32
- VX60 M -230V –REV –R32
- VX72 M -230V –REV –R32

VX36 M -230V –REV –R32	
VX	BlueCool VX series chiller unit
36	Cooling capacity in kBTU/h
M	Mono (1 compressor with 1 closed refrigerant circuit)
230 V	Rated voltage
REV	"Reverse Cycle" cooling and heating (reverse heating operation)
R32 R410a	Refrigerant

Table 1: Example

3.3 Type label

The type label is located next to the cable feed-through for electrical connection at the front of the unit. The type label details the output, serial number and registration data.

Webasto Thermo & Comfort SE Friedrichshafener Str. 9 82205 Gilching, Germany				
Type	VX36 M-230V-REV-R32	02.23	Read Instructions first Read operators manual	
Serial Number:	22V1234567	Part No.: 2510530 A		
Refr. Capacity	36.000 BTU/h			
Refrigerant / Charge	R32 / 480 g			
CO2 equiv. / GWP	324 kg / 675			
Design Pressure PS	40 bar(g)		 UK CA	
Voltage	1~ 230 V 50/60 Hz			
Rated Current Draw	max 15 A			
				
		Made in Turkey		

Fig. 1 Type label

4 Operation

4.1 Remark

The BlueCool MyTouch control element for the BlueCool VX-Series enables you to control the connected system. The display functions as a touch screen as well. Instructions are included in this document.



ATTENTION

Damage to BlueCool MyTouch

Do not allow the display to come in contact with any other electrical devices to ensure that there is no electrostatic discharge that could cause malfunctions.
Do not use pointed or sharp objects to operate the screen, and do not exert excessive pressure.



NOTICE

Webasto recommends that you use your fingers only to operate the screen. The touch sensitivity of the screen is optimized to fingertip contact. The screen may not respond if gloves are worn.

Tapping at the very edge of the screen may not be detected.

4.2 Home Screen and Symbols

Black and white are available as background colors for the home screen. The functions are the same.

To change the background color, see chapter 4.4, "Settings Menu" on page 6.

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

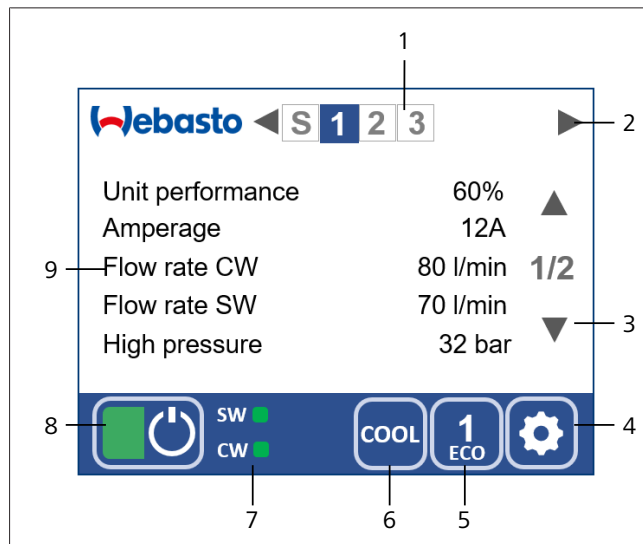


Fig. 2 Home screen

1	VX unit (system, 1, 2, 3, ...)	2	Screen change (system, unit 1, unit 2, unit 3, ...)
3	Page selection (page 1, page 2)	4	Setting level 1
5	ECO mode (On, 1, 2, 3)	6	Operating mode (Cool, Heat, Heat Aux)
7	Status of sea water, cold water pump	8	System status (On, Off)
9	Text display with five parameters		

4.2.1 Standby

The screen will go to Standby mode after five minutes if the screen remains untouched and will show a standby screen that you can select in the settings. Tap anywhere on the screen to call up the home screen.

4.2.2 Notification

The notification icon  appears on the bottom status line to draw your attention to the current status of the system. Tap the icon to show the current status.

4.2.3 ON / OFF

If the screen is switched off:

- Tap the screen
 - The screen switches on.

If the screen is switched on:

- Tap the green/gray field
 - The color of the ON/OFF symbol indicates the operating status of the BlueCool (green = switched on).

4.2.4 Operation

After switching on, the control system starts up all VX units in the system one by one in the selected operating mode.

The color of the lower screen bar shows the operating mode. It is:

- Blue in cooling mode.
- Red in heating mode.

4.2.5 Select Operating Mode

The **Operating Mode** button (6) is used to set the operating mode.

The options are:

- COOL (cooling mode)
- HEAT (heating mode)
- HEAT AUX (heating mode combined with an external heater)



NOTICE

If a different operating mode is selected when the unit is in operation, then the whole system initially shuts down, then restarts in the new operating mode. Depending on the operating state, this process may take several minutes.

4.2.6 Select ECO Mode

The **ECO mode** button (5) enables energy-saving mode. Power consumption of all connected systems is limited. There are three different ECO modes available.

The options are:

- ECO Off (100% rated power)
- ECO 1 (approx. 75% of the rated output, 70% of the power consumption)
- ECO 2 (approx. 60% of the rated output, 50% of the power consumption)
- ECO 3 (approx. 45% of the rated output, 33% of the power consumption)

4.2.7 Home Screen Display

By default, the VX unit shows the operating parameters of the connected system. If several VX units are used in an integrated network then information from additional connected VX units can also be displayed.

Use the arrow keys in the upper status line (Fig. 3, item 2) to change the display.

The number of the VX unit to which the MyTouch display is connected is shown in the upper status line in blue. If there is a change to the display on another VX unit, the blue display changes to the number of the corresponding system. The system that is connected to the MyTouch display is then shown framed in blue.



NOTICE

If a black background is selected, then the number of the connected VX unit is framed in white. The number of the home screen on another displayed VX unit is shown, filled in, in white.

Pump status

The operating status of the sea water pump (SW) and the cold water pump (CW) is shown in the display bar at the bottom of the screen.

- Green = No action required.
- Yellow = Flow may be insufficient, please check.
- Red = The flow is insufficient to ensure full cooling capacity is generated. Check immediately. (See also chapter 5.1, "Sea Water Circuit" on page 6 and chapter 5.2, "Cold Water Circuit" on page 7)

System display

In addition to the operating parameters of each of the VX units, the S system display can also be accessed. This shows system-relevant parameters that apply to all connected VX units.

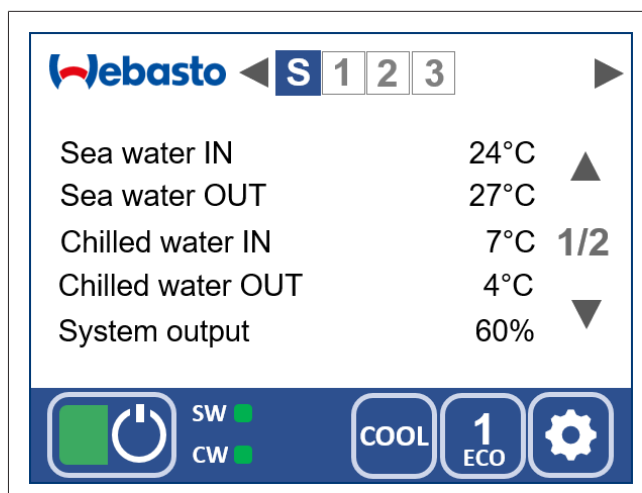


Fig. 3 System display page 1

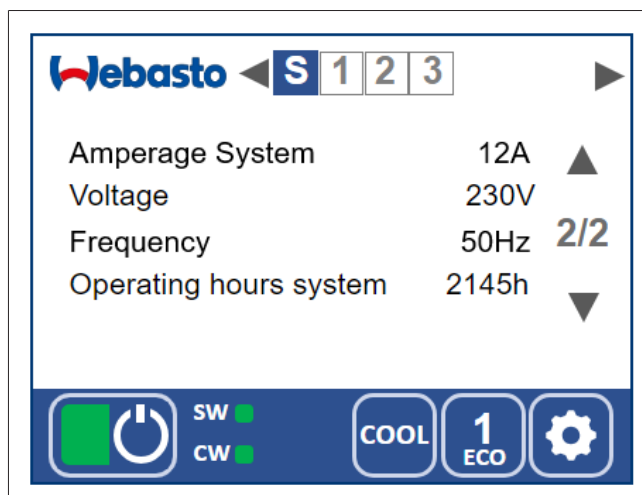


Fig. 4 System display page 2

Standby screen

Each of the parameters can also be continuously displayed on a standby screen. You can select them in the Settings menu.

For more information, see chapter 4.4.4, "Standby" on page 6.

4.3 Settings

The operating logic is defined using the Brightness function. It also applies to other functions.

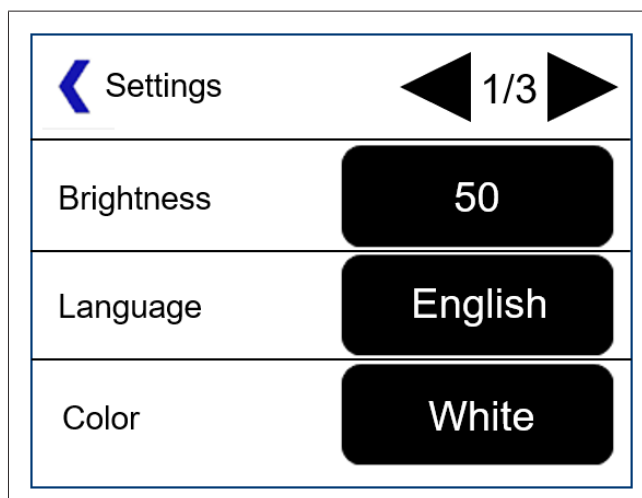


Fig. 5 Settings Menu

To call up settings:

1. Tap the Settings symbol.
 - The Settings menu is displayed.
2. Tap (symbol: ◀) or (symbol: ▶) to scroll between the various pages.
3. Tap on brightness. The setting window for this function opens up.

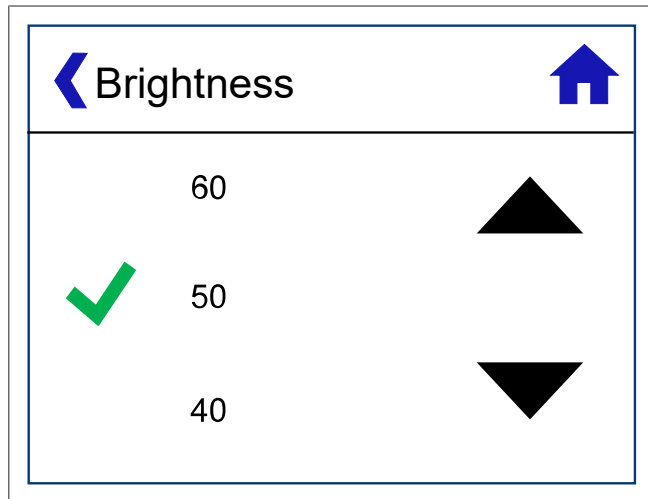


Fig. 6 Set the brightness

4. Tap the ▲ symbol to reduce the brightness or the ▼ symbol to increase it.
 - The ✓ symbol marks the current selection.
5. Tap on the required brightness to set it.
6. Tap the Back (symbol: ◀) symbol to go back up one level.
 - The selected settings are then adopted.
7. Tap the Home screen (symbol: 🏠) symbol to return to the home screen.
 - The selected settings are then adopted.

4.4 Settings Menu

You can access the Settings menu by tapping the Settings icon from the home screen.

The Settings menu is displayed. The available functions are:

4.4.1 Brightness

Adapts the screen brightness to the ambient light levels.

4.4.2 Language

Sets the operating language.

4.4.3 Color

Adapts the background color.

4.4.4 Standby

Sets the BlueCool MyTouch display to standby mode.

In standby mode, the available functions are:

- **Webasto logo**
 - Shows the Webasto logo.
- **Customer logo**
 - Shows an individual file. If you have any questions, please contact your authorized Webasto Marine dealer.
- **Standby off**
 - The home screen remains active.
- **System: cold water in, cold water out**
 - Cold water temperatures of the system are displayed.
- **System: sea water in, sea water out**
 - Sea water temperatures of the system are displayed.

- **System: current consumption and output in %**
 - Current consumption and cooling capacity of the system are displayed.
- **System: mains voltage**
 - System voltage is displayed.
- **System: supply frequency**
 - Supply frequency is displayed.
- **System: operating hours**
 - Operating hours of the system are displayed.
- **System: status**
 - System status is displayed.
- **Unit: sea water and cold water flow**
 - The flow rates of the sea water and cold water connections are displayed on the unit.
- **Unit: current consumption and output**
 - Current consumption and cooling capacity of the unit are displayed.
- **Unit: high and low pressure**
 - Refrigerant pressure of the refrigerant circuit is displayed.
- **Unit: status**
 - Status of the unit is displayed.

4.4.5 Key tone

Sets whether the control element makes a sound when you touch the screen surface.

4.4.6 °C/°F

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

4.4.7 Cleaning

Disables the touch screen functions for 30 seconds to enable you to clean the surface without inadvertently changing the settings.

5 Inspection and Maintenance

We recommend performing a series of routine checks at regular intervals to ensure the system functions long-term and retains its performance.

Check the functional capability of the air conditioning system at least once a month. The system must be switched on in the process and it must run for at least 10 minutes.

5.1 Sea Water Circuit

Always check to ensure the functional capability of the sea water circuit, especially after a longer absence.

- Each time the air conditioning system is switched on, check immediately whether sea water is flowing out of the sea water outlet. Observe the minimum flow rates.
- If no sea water is flowing out after the compressor starts up, switch off the air conditioning system immediately.
- Check the sea water strainer for contaminants at least once a week. Clean if necessary.
- Check the entire sea water circuit from the through-hull fitting to the sea water outlet for leaks at least once a month.
- Clean the sea water circuit, including the condenser of the chiller unit, at least once a year. The time interval depends on the degree of biological fouling (by shellfish etc.).

- Soiling of the sea water circuit reduces the sea water flow rate, which decreases the heat dissipation and can result in reduced performance and high-pressure switch-offs. A sea water flow that is too low is displayed color-coded on the screen.
- If the condenser is soiled, the cooling or heating capacity of the system decreases.
- The sea water circuit must only be cleaned by an expert (installer or Webasto Service Centre).

5.2 Cold Water Circuit

Always check the functional capability of the cold water circuit, especially after prolonged absence.

- In open systems, check the fill level in the expansion tank at least once a month, and top up with water/glycol mixture if necessary.
- In closed systems, check the static pre-pressure in the system at least once a month. In the event of a pressure drop, repair leaks and top up with water/glycol mixture.
- Check the entire cold water circuit for leaks at least once a month; from the chiller unit through the cold water pump to the air handlers and, if necessary, the fresh air unit as well.
- Bleed the system manually at least once a year. To do so, open the bleeder valves at the air handlers and release air until liquid emerges with no bubbles.
- Check the water/glycol mixture for adequate mixing ratio (25% to max. 40% glycol) at least once a year and correct as needed.

5.3 Damage to the Refrigerant Circuit



WARNING

Danger of explosion

Flammable refrigerant can escape into the installation space if the refrigerant line of the chiller unit are damaged. Disconnect the system from the power supply, fully ventilate the installation space, and notify a trained staff member who is trained in handling flammable refrigerants.

6 Decommissioning

If, for example, the air conditioning system is to be decommissioned over the winter, take the following steps:

1. Switch off the system with BlueCool MyTouch.
2. Disconnect the power supply.
3. Completely empty sea water circuit, i.e. sea water lines, sea water strainer, sea water pump and condenser, or fill with antifreeze.
4. Check adequate mix ratio of water/glycol mixture in the cold water circuit and correct if necessary.

7 Malfunctions

7.1 Status / Error Message Table

	Status/error message	Possible reason	Corrective measure
1	E100 - undervoltage	Shutdown in case of undervoltage. Power supply below set undervoltage value for longer than five seconds. The most likely cause is an excessively long cable, overloading, or a power generator output that is too low.	Please contact your authorized Webasto Marine retailer.
2	E101 – Low pressure compressor	Incorrect pressure sensor measurement	Please contact your authorized Webasto Marine retailer.
		Compressor switches off in heating mode: sea water flow rate too low or sea water too cold (temperature below 6° C). Sea water strainer blocked or no intake.	Check the flow rate of the sea water circuit at the sea water outlet. If the sea water temperature is less than 6° C: no heating possible in reverse heating operation. Clean sea water strainer and bleed sea water circuit.
		Compressor switches off in cooling mode: cold water flow rate too low.	Please contact your authorized Webasto Marine retailer.
		Low refrigerant	Please contact your authorized Webasto Marine retailer.
		Refrigerant circuit blocked	Run the chiller unit for five minutes in heating or cooling mode (if possible), then switch operating mode. Switch chiller unit back on and check whether the fault occurs again.
3	E102 – High pressure compressor	Pressure switch defective or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
		HEATING MODE: Cold water flow rate too low.	Please contact your authorized Webasto Marine retailer.
		COOLING MODE: - Sea water flow rate too low or sea water too cold (temperature below 6° C). - Sea water strainer blocked or no intake.	Check the flow rate of the sea water circuit at the sea water outlet. If the sea water temperature is less than 6° C: no heating possible in reverse heating operation. Clean sea water strainer and bleed sea water circuit.
4	E103 – High pressure compressor	Incorrect pressure sensor measurement	Please contact your authorized Webasto Marine retailer.
		Compressor switches off in cooling mode, maximum pressure reached. Insufficient sea water cooling. Sea water strainer soiled or no flow. Sea water pump defective. Refrigerant circuit blocked.	Check sea water flow rate at sea water outlet. The minimum flow rate must be maintained. Clean sea water strainer and bleed sea water circuit. Run the chiller unit for five minutes in heating mode (if possible), then switch to cooling mode and check whether the fault occurs again.
		Compressor switches off in heating mode, maximum pressure reached. Cold water pump defective. Plate heat exchanger or cold water circuit blocked. Refrigerant circuit blocked.	Check cold water flow rate and if necessary, increase by changing system layout. Run the chiller unit for five minutes in cooling mode (if possible), then switch to heating mode and check whether the fault occurs again.
5	E111 - High pressure sensor	Pressure sensor defective or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
6	E112 - Low pressure sensor	Pressure sensor defective or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
7	E123 - Excess temperature compressor	Incorrect temperature measurement	Please contact your authorized Webasto Marine retailer.

Status/error message		Possible reason	Corrective measure
		Compressor shut-down in cooling mode, maximum compressor temperature reached. Insufficient sea water cooling. Sea water strainer soiled or no flow. Sea water pump defective. Refrigerant circuit blocked.	Check sea water flow rate at sea water outlet. The minimum flow rate must be maintained. Clean sea water strainer and bleed sea water circuit. Run the chiller unit for five minutes in heating mode (if possible), then switch to cooling mode and check whether the fault occurs again.
8	E131 - Characteristic diagram	Compressor operation outside characteristic map. Incorrect pressure sensor measurement.	Please contact your authorized Webasto Marine retailer.
		Compressor operates outside the characteristic diagram in cooling mode, maximum pressure reached. Insufficient sea water cooling. Sea water strainer soiled or no flow. Sea water pump defective; refrigerant circuit blocked.	Check sea water flow rate at sea water outlet. The minimum flow rate must be maintained. Clean sea water strainer and bleed sea water circuit. Run the chiller unit for five minutes in heating mode (if possible), then switch to cooling mode and check whether the fault occurs again.
		Compressor operates outside the characteristic diagram in heating mode, maximum pressure reached. Cold water pump defective. Plate heat exchanger or cold water circuit blocked. Refrigerant circuit blocked.	Check cold water flow rate and if necessary, increase by changing system layout. Run the chiller unit for five minutes in cooling mode (if possible), then switch to heating mode and check whether the fault occurs again.
9	E201 - Cold water temperature sensor outlet	Cold water temperature sensor defective or break/short-circuit in electrical circuit.	Please contact your authorized Webasto Marine retailer.
10	E202 - Cold water temperature sensor inlet	Cold water temperature sensor defective or break/short-circuit in electrical circuit.	Please contact your authorized Webasto Marine retailer.
11	E211 - Sea water temperature sensor outlet	Sea water temperature sensor defective or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
12	E212 - Sea water temperature sensor inlet	Sea water temperature sensor defective or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
13	E231 - Compressor temperature sensor I	Compressor temperature sensor defective or break/short-circuit in electrical circuit.	Please contact your authorized Webasto Marine retailer.
14	E232 - Compressor temperature sensor II	Compressor temperature sensor defective or break/short-circuit in electrical circuit.	Please contact your authorized Webasto Marine retailer.
15	E300 - Data communication	Initialization procedure or system blocked. Electrical wiring defective, interruption in power circuit/short circuit.	Please contact your authorized Webasto Marine retailer.
16	E301 - Data communication inverter	No data communication between inverter and PC board.	Please contact your authorized Webasto Marine retailer.
17	E302 - Error on inverter PCB	Internal inverter fault	Please contact your authorized Webasto Marine retailer.
18	E303 - Data communication	System bus data transmission fault.	Switch off the chiller unit and then reconnect the power supply.
19	E304 - Data communication	Repeated assignment of a system bus address to various chiller units.	Please contact your authorized Webasto Marine retailer.
20	E305 - Permitted sea water temperature exceeded	Sea water flow rate insufficient or sea water too warm (temperature over 40 °C).	Check sea water flow rate at MyTouch control unit. The minimum flow rate must be maintained. Clean sea water strainer and bleed sea water circuit.
21	E311 - Unit type not detected	Compressor detection is faulty or power circuit interruption/short circuit.	Please contact your authorized Webasto Marine retailer.
22	E321 - Inverter excess current	Excess current caused by undervoltage. Insufficient power supply. The most likely cause is an excessively long cable, overloading, or a power generator output that is too low.	Improve power supply or activate ECO mode.

	Status/error message	Possible reason	Corrective measure
23	E322 - Inverter excess current	Current too high due to sudden changes in load, short-circuit in motor line, incorrect parameter settings.	Please contact your authorized Webasto Marine retailer.
24	E323 - Inverter excess current	HW excess current. Current too high due to sudden changes in load, short-circuit in compressor connection line, incorrect inverter parameter settings.	Please contact your authorized Webasto Marine retailer.
25	E324 - Frequency converter excess current	Excess current has occurred in the inverter. Current is too high due to sudden load changes, short circuit in the compressor connection cable, incorrect parameters on the inverter Settings.	Please contact your authorized Webasto Marine retailer.
26	E325 - Ground leakage current	Ground fault detected. Ground current too high.	Please contact your authorized Webasto Marine retailer.
27	E-331 - Excess temperature inverter	Ambient temperature too high or insufficient cooling.	Check whether the air vents in the electrical box are blocked. Remove dust deposits from the heat sink. The max. ambient temperature must not exceed 60 °C.
28	E332 - Excess temperature inverter	The permissible temperature in the inverter housing is exceeded.	Check whether the air vents in the electrical box are blocked. Remove dust deposits from the heat sink. If possible, reduce the max. ambient temperature to below 60 °C.
29	E333 - Thermistor inverter	Internal inverter thermistor fault	Please contact your authorized Webasto Marine retailer.
30	E341 - Phase connection to compressor	Compressor, phase connection. Compressor connection cable interrupted.	Please contact your authorized Webasto Marine retailer.
31	E342 - Missing phase in inlet	Power supply of a phase is faulty. Uneven load on a phase due to other users.	Please contact your authorized Webasto Marine retailer.
32	E343 - Compressor not connected	Compressor defective or power circuit interruption.	Please contact your authorized Webasto Marine retailer.
33	E351 - Inverter undervoltage	Undervoltage due to low supply voltage or defective inverter.	Please contact your authorized Webasto Marine retailer.
34	E352 - Overvoltage	The DC voltage of the intermediate circuit has exceeded the maximum permissible value as the result of excessively long delay or overvoltage peaks in the supply voltage.	Please contact your authorized Webasto Marine retailer.
35	E353 - Power supply is not normal	The power supply is faulty.	Check on-shore connection or generator.
36	E361 - Compressor speed	Incorrect speed or incorrect parameters at too high a load.	Please contact your authorized Webasto Marine retailer.
37	E362 - Compressor overload	Maximum permissible current was exceeded within the defined time window.	Please contact your authorized Webasto Marine retailer.

Table 2: Status / error message

8 Appendix

8.1 Parameter settings

8.1.1 Parameter list home screen

	Parameter	Meaning	Unit of measure	Value range	Factory setting
Home screen	On/Off system	On/Off switch for all chiller units in the system	-	ON-OFF	-
	Operating mode	Changes the operating mode	-	COOL (cooling only)	
				HEAT (heating only)	
				AUX (heating only with ext. heater)	
	ECO mode VX series	Select the max. system performance in ECO mode	-	ECO Off (100% rated power)	-
				ECO 1 (approx. 75% of the rated output, 70% of the power consumption)	-
				ECO 2 (approx. 60% of the rated output, 50% of the power consumption)	-
				ECO 3 (approx. 45% of the rated output, 33% of the power consumption)	-
				COP up to 5.6	
	Unit	Select the display of a chiller unit	-	1-6; S	-
	Page	Select the home screen page	-	1.2	
	Flow status	Display the flow status of the cold water (CW) and sea water pump (SW)	-	green (flow quantity sufficient)	-
				yellow (check flow quantity)	
				red (immediate flow monitoring required)	
	System operating values	Sea water entry temperature	°C, °F	Page 1, system	-
		Sea water exit temperature	°C, °F		-
		Cold water inlet temperature	°C, °F		-
		Cold water outlet temperature	°C, °F		-
		System performance	%, standby		-
		Current consumption in system	A	Page 2, system	-
		Voltage	V		-
		Frequency	Hz		-
		System operating hours	h		-
		-	-		-
	Chiller unit operating values	Chiller unit output	%, standby	Page 1, unit	-
		Chiller unit current consumption	A		-
		Cold water flow rate	l, gal		-
		Sea water flow rate	l, gal		-
		High pressure	bar		-
		Low pressure	bar	Page 2, unit	-
		-	-		-
		-	-		-

Parameter	Meaning	Unit of mea- sure	Value range	Factory setting
	-	-		-

Table 3: Parameter list home screen

8.1.2 Parameter List for Settings Menu

	Parameter	Meaning	Unit of mea- sure	Value range	Factory setting
Settings	Brightness	Setting the screen brightness	Percentage	5-100%	100%
	Language	Setting the operating language	Language	Deutsch	English
				English	-
				Français	-
				Español	-
				Italiano	-
				Nederlands	-
				Polski	-
				Русский	-
				Türkçe	-
				Slovenščina	-
	Color	Background color	-	White	White
				Black	-
	Standby	Selects the standby mode display	-	1 Webasto logo	Webasto logo
			-	2 Customer logo	-
			-	3 Standby off	-
			°C, °F	4 System: cold water temperature	
			°C, °F	5 System: sea water temperature	
			A; %	6 System: current consumption, output	
			V	7 System: mains voltage	
			Hz	8 System: supply frequency	
			Hz	9 System: operating hours	
			-	10 System: status	
			l/min, gal/min	11 Chiller unit: flow rates	
			A; %	12 Chiller unit: current consumption, output	
			bar	13 Chiller unit: high pressure, low pressure	
			-	14 Chiller unit: status	
	Key tone	-	-	On, Off	On
	°C / °F	Display metric or imperial	-	°C, °F ; l/min, gal/min; bar, PSI	Metric
	Cleaning	Disables the touch screen for 30 seconds	-	-	-

Table 4: Parameter list settings

To request this documentation in another language, please locate and contact your local Webasto dealer. The telephone number of each country can be found in the Webasto service center leaflet or the website of the respective Webasto representative of your country. <https://dealerlocator.webasto.com/en-int>.

To provide feedback (in English or German), please email: feedback2tdt@webasto.com

Europe, Asia Pacific:

Webasto
Kraillinger Str. 5
82131 Stockdorf
Germany

UK only:

Webasto Thermo & Comfort UK Ltd
Webasto House
White Rose Way
Doncaster Carr
South Yorkshire
DN4 5JH
United Kingdom

USA only:

Webasto Thermo & Comfort N.A., Inc.
15083 North Road
Fenton, MI 48430

Technical Assistance Hotline
USA: (800) 860-7866
Canada: (800) 667-8900

www.webasto.us
www.techwebasto.com



9045383B

Only within Germany
Tel: 0395 5592 444
Mail: technikcenter@webasto.com

www.webasto.com

