BEHA CLASSIC PANELOVN
HC 5, HC 10, HC 15, HC 20

INSTALLATION AND USER GUIDE

BEHA

SCANDINAVIAN TRADING

HC 5

HC 10

HC 15

HC 20

CONTENT

Please read the manual carefully before use of the heater and save it for later reference. This user guide is also available at beha.no.

1.0 Technical information

Factory set temperature is 22 °C. The thermostat can be set at min. 1 °C in ECO mode. Maximum temperature is 35 °C.

The heater is IP24 tested and approved for installation in bathrooms and utility rooms, and can be installed according to current regulations. The heater has week timer that can be used for saving energy.

1.1 By power outage
The heater returns to your set comfort temperature. For other modes/settings see chapter 4.8.

1.2 Open window detection
If the open window function is activated and the temperature drops several degrees, within several minutes, the heater will activate this function and stop heating. After 1 hour the heater return to the mode/settings it had before the open window was activated. It can also be deactivated with pressing the open window button.

2.0 Safety information

When using any electrical appliance, basic precautions should always be followed to reduce the risk of fire and injuries.

Please read the entire user manual before using heater.
1. Before use, remove all packaging.
2. Turn the switch to OFF. Remove the plug from the wall socket when the heater is not in use and when cleaning.

This heater is for room heating.

CAUTION! Parts of this product will become hot and may cause burns. Pay especially attention where children and vulnerable people are present.
Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate, and clean the appliance or perform user maintenance.

Warning: In order to avoid overheating, do not cover the heater.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children of less than 3 years should be kept away unless continuously supervised. Furthermore, do not use the heater in areas where gasoline, paint, or flammable liquids are used or stored.The heater shall not be used in explosives areas.

Warning: Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

The wall socket in which the heater is connected should be visible and accessible.

The heater must not be located immediately below a wall socket. Do not operate any heater with a damaged cord or plug. The cable must not come into contact with hot surfaces of the heater during operation.

Do not cover the cord with carpets. Do not step on the cable.
Ensure that no foreign objects are placed in the heater's air outlets as it can cause electrical failure or fire.

When cleaning or relocating or when the heater is not in use, the heater should be switched off and the cord unplugged. In that order. Do not remove the plug from the socket by pulling the cord. Remove the cord from the socket by gripping the plug and gently pull it out of the wall socket.
Do not touch the heater with wet hands.
The heater must be in an upright position.
The heater should not be repaired, dismantled or modified by unauthorized personnel. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Do not use this heater in the immediate surroundings of a bath, a shower, or a swimming pool. Fixed heaters are to be installed so that switches and other controls cannot be touched by a person in the bath or shower.
Do not use this heater if it has been dropped or if there are visible signs of damage to the heater.

Warning: The heater should be located away from furniture, curtains or other flammable objects.

Warning: In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

3.0 Installation
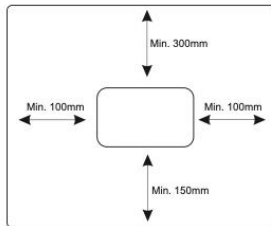
Make sure that the distance from walls and objects is respected.

3.1 Electrical connection and use
Before connecting, please ensure that the voltage is 230-240V ~ 50-60 Hz. The heater should be connected to a socket in the room it is intended to be used. Do not connect the heater to sockets in adjacent rooms using an extension cable.

3.2 Mounting the heater
A. Put the hanging rack on the wall as a guide ruler (please make sure the holes are parallel), use a pen to mark the hole position
B. Drill holes on the wall with 8mm drill bit and insert the plastic wall plug.
C. Fasten the hanging rack on the wall with the screws, do make sure the hanging rack is in correct direction
D. Gently insert the heater body of the bottom to the hanging rack first and then push the heater body to be hooked on the whole hanging rack.
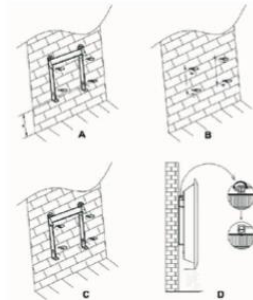
Warning! The distance from the floor to the lower edge of the heater should be min. 15cm.
Warning! When drilling holes, always ensure there is no wiring, pipework, etc. in the area to be drilled.
Warning! Before plugging in the unit make sure the radiator is properly attached to the wall.

3.3 Heater sizes

Product name	Watt	Height (mm)	Width (mm)	Depth (mm)
Beha Classic HC 5	500	435	515	105
Beha Classic HC 10	1000	435	515	105
Beha Classic HC 15	1500	435	645	105
Beha Classic HC 20	2000	435	815	105

4.0 Using the heater
### 4.1 Control panel
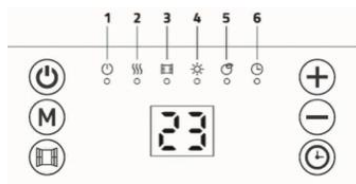
Standby
Mode selection
Open window function
Increase function
Decrease function
Timer

① Standby: on/off
② Heating status
③ Open window function
④ Comfort mode
⑤ ECO mode
⑥ Timer

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Contact information: Email: info@scandinaviantrading.co.uk Tel: 01932 645050
Unit 2 Glen Court, Canada Road, Byfleet, KT14 7JL

4.2 How to use the heater
Plug the appliance to AC 230-240V 50-60Hz socket and press down the on/off switch with a beep sound. The indicator light ⏻ is on.

4.3 Factory default
— Heating mode: comfort mode
— Target temperature setting: 22 °C
— Date: 1 (Monday); Time: 00:00 (Off)
— Window open function: Off
— Timer: Off

If default settings are different, it will simply be because the unit has been quality tested after production.

To stop the heater working, press ⏻ to turn off the heater. Unplug the product when it's not in use.

4.4 Clock and day of week setting
Press down ⊚ 3 secs to enter clock and day of week setting. The screen now display "d", press ⊕ and ⊖ to select the day from 1-7.

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. Friday
6. Saturday
7. Sunday

— Press ⊚ to confirm day setting and enter the clock hour setting, with the screen display: ⊢⊣
— Press ⊕ and ⊖ to set the current hour.
— Press ⊚ to confirm hour setting and enter the minute setting, with the screen display: ⊓
— Press ⊕ and ⊖ set the current minute.
— Press ⊚ to confirm all settings.

Note: The clock and calendar will be reset to factory default if without power supply.

4.5 Heating mode
Press Ⓜ to enter mode selection.
By pressing Ⓜ heating mode runs in a continuous cycle as below:
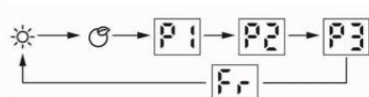
☀ **Comfort mode:** Press ⊕ and ⊖ to set the temperature from 5-35 °C.
🕐 **ECO mode:** Press ⊕ and ⊖ to set the temperature from 1-31 °C.
Fr **Anti-frost mode:** The screen display. The target temperature 7 °C. The temperature can't be adjusted.

P1/P2/P3: Pre-set heating program.
Note: If the clock and day setting are not finished, the first time to enter P1/P2/P3 program setting, it is requested to set day and clock setting in advance.
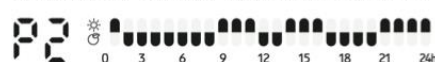
P1:(Monday-Sunday) Unadjustable program

P2:(Monday-Friday) Unadjustable program

P2:(Saturday-Sunday) Unadjustable program

P3:(Monday-Friday) Adjustable program

P3:(Saturday-Sunday) Adjustable program

Note: P3 are adjustable program setting.

1. When under P3 mode, press Ⓜ over 3 secs to enter day setting.

2. The screen displays d1, press ⊕ and ⊖ to set from d1—d7 (Monday-Sunday). Press Ⓜ to confirm and enter hour setting.

3. The screen displays 00, press ⊕ and ⊖ to set from 00-23. Press Ⓜ to choose heating mode for every hour (Comfort mode ☀ or ECO mode 🕐 or anti-frost mode Fr. The indicator light will not be on.)

4. Repeat the operation until you have completed the schedule of every hour and every day.

Note: After setting heating mode for hour 23, press ⊕ to come back to day setting. Note: when screen displays d7, press ⊕ finish all setting with display of P3.

4.6 Timer off function

Press ⊚ one time, the screen display "0H" and keeps flashing. Press ⊕ and ⊖ to set timer from 0-24 hours. Press ⊚ again to confirm setting, then the indicator light ⊕ is on. The heater will turn off after the set amount of time has passed.

4.7 Open window function

Press 🪟 one time and the indicator light 🪟 is on. If open window function is activated, the indicator light 🪟 keeps flashing and stops heating.
Press 🪟 again to quit open window function and back to previous working situation.

4.8 By power outage with different heating mode

After a power cut the heater will be in standby (off). When turning the switch on, the heater will use the comfort temperature set by you.

Program P1, P2, P3:
Your schedule (P3) and time (P1, P2, P3) need to be set again. The comfort temperature will be the same.

Comfort temperature: Does not changes.

ECO temperature: Change to comfort mode and the temperature are 4 degrees higher than that in ECO mode.

Anti frost temperature used: The heater will start at comfort temperature.

Open Window active: The heater returns to comfort temperature set by you.

5.0 Care and maintenance

5.1 Easy cleaning

1. Turn the switch off and remove the power connection. Make sure the heater is cooled down before cleaning.
2. Clean the outside with a soft, moist cloth, with or without a mild soap solution.
3. Never use abrasive cleaners or submerse the heater in water or other liquids. Do not allow water or other liquids to get into the heater, as this could create a fire and/or electrical hazard.
4. We also recommend the periodic cleaning of this heater by lightly running a vacuum cleaner nozzle over the guards to remove any dust or dirt that may have accumulated outside the heater.

CAUTION: Do not use harsh detergents, chemical cleaners, or solvents as they may damage the surface finish of the plastic components.

6.0 Energy efficiency

This product complies with the EU regulations of the Ecodesign Directive (2009/125/EC) for energy-related products.

Model identifier	P nom kW	P min kW	P max,c kW
Beha Classic HC 5	0,5	0,5	0,5
Beha Classic HC 10	1	1	1
Beha Classic HC 15	1,5	1,5	1,5
Beha Classic HC 20	2	2	2

Pnom kW: Nominal heat output
Pmin kW: Minimum heat output (indicative)
Pmax,c kW: Maximum continuous heat output

Auxiliary electricity consumption	elmax kW	elmin kW	elSB kW
Beha Classic HC 5	N/A	N/A	0,0004
Beha Classic HC 10	N/A	N/A	0,0004
Beha Classic HC 15	N/A	N/A	0,0004
Beha Classic HC 20	N/A	N/A	0,0004

elmax: At nominal heat output
elmin: At minimum heat output
elSB: In standby mode

6.1 Technical parameter

F2 and F3 are correction factors that represent a positive contribution to the seasonal energy efficiency for space heating. Seasonal space heating energy efficiency for electric wall-mounted heaters, with a nominal heating output above 250W, shall not be less than 38%.

Type of heat output/room temperature control (select one) Correction factor F2		
Single stage heat output and no room temperature control		
Two or more manual stages, no room temperature control		
With mechanic thermostat room temperature control		
With electronic room temperature control		
Electronic room temperature control plus day timer		
Electronic room temperature control plus week timer	yes	7

Other control options (multiple selections possible) Correction factor F3		
Room temperature control, with presence detection		
Room temperature control, with open window detection	yes	1
With working time limitation	yes	1
With adaptive start control		
With distance control option		
With black bulb sensor		

Energy efficiency for Beha Classic HC XX heaters: 38%

7.0 Waste management

This appliance is marked in accordance with EU Directive 2012/19/EU regarding the handling of electrical and electronic waste (Waste Electrical and Electronic Equipment-WEEE). Make sure that this product is disposed in the correct manner, so that it does not constitute a health or environmental risk.

The symbol ⌧ on the product or on the documents accompanying the product, indicates that this product may not be treated as household waste. Hand it over to an authorized reception for recycling of electrical and electronic equipment. Disposal must take place in accordance with the local waste disposal regulatons. For further information, treatment, recovery, and recycling of this product, contact your local council, waste disposal service or the shop where you purchased it.

7.1 Resirkulering av innpakning

Component	Material	Recycling
Packaging	PAP 20	Carboard and paper
Screw bag	PE	Plastic

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