

# PHB 21

PRODUCT-NO.: 234000

All you need to do is get the right mix

There are different levels of comfort to enjoy with this instantaneous water heater. This is because the appliance puts four output stages at your disposal. You can easily achieve your preferred temperature by mixing in cold water at the draw-off point.

Ready for anything Whether your home has soft or hard water makes no difference to this robust appliance. Thanks to its bare wire heating system, this instantaneous water heater is suitable for almost all water qualities and always delivers a convincing performance.



## The main features

Hydraulic control

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Four output stages – two manually adjustable, two hydraulically controlled

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Scale-resistant bare wire heating system



Type	PHB 13	PHB 18	PHB 21
Part no.	233998	233999	234000

## Technical data

Rated voltage	400 V	400 V	400 V
Rated voltage 1	380 V	380 V	380 V
Rated voltage 2	400 V	400 V	400 V
Rated output	13.5 kW	18 kW	21 kW
Min. rated output 380 V stage I	4.20 kW	5.70 kW	6.70 kW
Max. rated output 380 V stage I	9.60 kW	12.90 kW	15.20 kW
Min. rated output 380 V stage II	6.10 kW	8.30 kW	9.70 kW
Max. rated output 380 V stage II	12.20 kW	16.30 kW	19.00 kW
Min. rated output 400 V stage I	4.60 kW	6.30 kW	7.40 kW
Max. rated output 400 V stage I	10.60 kW	14.30 kW	16.80 kW
Min. rated output 400 V stage II	6.80 kW	9.20 kW	10.80 kW
Max. rated output 400 V stage II	13.50 kW	18.00 kW	21.00 kW
Rated output 1	12.2 kW	16.2 kW	19 kW
Rated output 2	13.5 kW	18 kW	21 kW
Rated current	19.5 A	26 A	31 A
Rated current 1	18,5 A	24.7 A	29.5 A
Rated current 2	19,5 A	26 A	31 A
Fuse protection	20 A	25 A	32 A
Fuse protection 1	20 A	25 A	32 A
Fuse protection 2	20 A	25 A	32 A
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Frequency 1	50/60 Hz	50/60 Hz	50/60 Hz

<b>Frequency 2</b>	50/60 Hz	50/60 Hz	50/60 Hz
<b>Phases</b>	3/PE	3/PE	3/PE
<b>Resistivity <math>\rho_{15} \geq</math> (at <math>\vartheta_{cold} \leq 25</math> °C)</b>	900 $\Omega$ cm	900 $\Omega$ cm	900 $\Omega$ cm
<b>Specific conductivity <math>\sigma_{15} \leq</math> (at <math>\vartheta_{cold} \leq 25</math> °C)</b>	1111 $\mu S/cm$	1111 $\mu S/cm$	1111 $\mu S/cm$
<b>Max. permissible inlet temperature</b>	25 °C	25 °C	25 °C
<b>ON stage I</b>	2,4 l/min	3,0 l/min	3,5 l/min
<b>ON 2nd Stage</b>	3,9 l/min	4,9 l/min	5,6 l/min
<b>IP rating</b>	IP 25	IP 25	IP 25
<b>Colour</b>	white	white	white
<b>Height</b>	485 mm	485 mm	485 mm
<b>Width</b>	226 mm	226 mm	226 mm
<b>Depth</b>	93 mm	93 mm	93 mm
<b>Weight</b>	3.60 kg	3.60 kg	3.60 kg



Type	PHB 24
Part no.	234001
Technical data	
Rated voltage	400 V
Rated voltage 1	380 V
Rated voltage 2	400 V
Rated output	24 kW
Min. rated output 380 V stage I	7.50 kW
Max. rated output 380 V stage I	17.10 kW
Min. rated output 380 V stage II	11.00 kW
Max. rated output 380 V stage II	21.70 kW
Min. rated output 400 V stage I	8.30 kW
Max. rated output 400 V stage I	19.00 kW
Min. rated output 400 V stage II	12.20 kW
Max. rated output 400 V stage II	24.00 kW
Rated output 1	21.7 kW
Rated output 2	24 kW
Rated current	35 A
Rated current 1	33.3 A
Rated current 2	35 A
Fuse protection	35 A
Fuse protection 1	35 A
Fuse protection 2	35 A
Frequency	50/60 Hz
Frequency 1	50/60 Hz

Frequency 2	50/60 Hz
Phases	3/PE
Resistivity $\rho_{15} \geq$ (at $\vartheta_{\text{cold}} \leq 25 \text{ }^\circ\text{C}$ )	900 $\Omega \text{ cm}$
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{\text{cold}} \leq 25 \text{ }^\circ\text{C}$ )	1111 $\mu\text{S/cm}$
Max. permissible inlet temperature	25 $^\circ\text{C}$
ON stage I	4,1 l/min
ON 2nd Stage	6,3 l/min
IP rating	IP 25
Colour	white
Height	485 mm
Width	226 mm
Depth	93 mm
Weight	3.60 kg

## **Contact information**

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **[info@stiebel-eltron.com](mailto:info@stiebel-eltron.com)**

## **Installation information**

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.