

DEM 3

MINI INSTANTANEOUS WATER HEATER

PRODUCT-NO.: 231001

Wherever smaller volumes of warm water are frequently required, the mini electronic instantaneous water heater DEM is the perfect choice. This appliance delivers water at the electronically controlled set temperature without having to overcome long supply lines with resulting line losses. There are also none of the common water and energy losses resulting from manual temperature adjustment. Consequently, the DEM electronic is ideally suited to washbasins, where a constant outlet temperature is preferred. The appliance can be mounted undersink or oversink; connection to the 230 V mains is also easily accomplished.



The main features

Electronically controlled mini instantaneous water heater with 3.5 kW output

Accurate temperature delivery up to the maximum output

For supplying a single hand washbasin with maximum efficiency

Temperature limit adjustable between 30 °C and 50 °C approx.

No standby or distribution losses

Suitable for oversink and undersink installation with a single appliance

Can be used with commercially available taps



Type	DEM 3	DEM 4	DEM 6
Part no.	231001	231002	231215
Rated output	3,53 kW	4,4 kW	5,7 kW
Height	143 mm	143 mm	143 mm
Width	190 mm	190 mm	190 mm
Depth	82 mm	82 mm	82 mm

Technical data

Rated voltage 1	200 V	200 V	200 V
Rated output 1	2,7 kW	3,3 kW	4,3 kW
Rated current 1	13,3 A	16,7 A	21,6 A
Fuse 1	16 A	20 A	25 A
Frequency 1	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage 2	220 V	220 V	220 V
Rated output 2	3,2 kW	4,0 kW	5,2 kW
Rated current 2	14,5 A	18,2 A	23,6 A
Fuse 2	16 A	20 A	25 A
Frequency 2	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage 3	230 V	230 V	230 V
Rated output 3	3,53 kW	4,4 kW	5,7 kW
Rated current 3	15,2 A	19,1 A	24,7 A
Fuse 3	16 A	20 A	25 A
Frequency 3	50/60 Hz	50/60 Hz	50/60 Hz
Phases	1/N/PE	1/N/PE	1/N/PE
Temperature adjustment	30-50 °C	30-50 °C	30-50 °C
Water connection	G 3/8 A	G 3/8 A	G 3/8 A

Specific resistance $\rho_{15} \geq$ (at $\vartheta_{\text{cold}} \leq 25$ °C)	1000 Ω cm	1000 Ω cm	1000 Ω cm
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{\text{cold}} \leq 25$ °C)	1000 $\mu\text{S}/\text{cm}$	1000 $\mu\text{S}/\text{cm}$	1000 $\mu\text{S}/\text{cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{\text{cold}} \leq 50$ °C)	1300 Ω cm	1300 Ω cm	1300 Ω cm
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{\text{cold}} \leq 50$ °C)	770 $\mu\text{S}/\text{cm}$	770 $\mu\text{S}/\text{cm}$	770 $\mu\text{S}/\text{cm}$
Energy efficiency class	A	A	A
IP-Rating	IP25	IP25	IP25
Colour	white	white	white
Weight	1,7 kg	1,7 kg	1,7 kg



Type	DEM 7
Part no.	232769
Rated output	6,5 kW
Height	143 mm
Width	190 mm
Depth	82 mm

Technical data

Rated voltage 1	380 V
Rated output 1	5,9 kW
Rated current 1	15,5 A
Fuse 1	16 A
Frequency 1	50/- Hz
Rated voltage 2	400 V
Rated output 2	6,5 kW
Rated current 2	16,3 A
Fuse 2	20 A
Frequency 2	50/- Hz
Rated voltage 3	
Rated output 3	
Rated current 3	
Fuse 3	
Frequency 3	
Phases	2/PE
Temperature adjustment	30-50 °C
Water connection	G 3/8 A

Specific resistance $\rho_{15} \geq$ (at $\vartheta_{\text{cold}} \leq 25$ °C)	1000 Ω cm
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{\text{cold}} \leq 25$ °C)	1000 $\mu\text{S}/\text{cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{\text{cold}} \leq 50$ °C)	1300 Ω cm
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{\text{cold}} \leq 50$ °C)	770 $\mu\text{S}/\text{cm}$
Energy efficiency class	A
IP-Rating	IP25
Colour	white
Weight	1,7 kg

Contact information

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **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.