

HDB-E 18 Si

CONVENIENCE INSTANTANEOUS WATER
HEATER

PRODUCT-NO.: 232004

Sealed unvented (pressure-tested) for supplying several draw-off points. The DHW temperature in the appliance is permanently set to 55 °C and is maintained up to the output limit. Via the electronic controller, the electric output is automatically matched to the demand. The bare wire heating system is suitable for hard and soft water areas (for application range, see specification). Installation with pressure fittings. Threaded water connections for installation on finished or unfinished walls. Ideal replacement appliance; matches the installation interfaces of STIEBEL ELTRON instantaneous water heaters.



The main features

Temperature set permanently to 55 °C

Electronic air detection system

Installation also in conjunction with plastic pipework systems (observe manufacturer's details)

Ideal replacement appliance for hydraulic instantaneous water heaters



Type	HDB-E 12 Si	HDB-E 18 Si	HDB-E 21 Si
Part no.	232003	232004	232005
Rated output	10,7 kW	18 kW	21 kW
Height	470 mm	470 mm	470 mm
Width	225 mm	225 mm	225 mm
Depth	117 mm	117 mm	117 mm

Technical data

Rated voltage 1	380 V	380 V	380 V
Rated output 1	9,7 kW	16,2 kW	19 kW
Rated current 1	14,4 A	24,7 A	29,5 A
Fuse 1	16 A	25 A	32 A
Frequency 1	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage 2	400 V	400 V	400 V
Rated output 2	10,7 kW	18 kW	21 kW
Rated current 2	15,5 A	26 A	31 A
Fuse 2	16 A	25 A	32 A
Frequency 2	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage 3	415 V	415 V	415 V
Rated output 3	11,5 kW	19,4 kW	22,6 kW
Rated current 3	16 A	27 A	32,2 A
Fuse 3	16 A	32 A	32 A
Frequency 3	50/- Hz	50/- Hz	50/- Hz
Phases	3/PE	3/PE	3/PE
Temperature adjustment	55 °C	55 °C	55 °C
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35$ °C and 380 V)	$\geq 1100 \Omega \text{ cm}$	$\geq 1100 \Omega \text{ cm}$	$\geq 1100 \Omega \text{ cm}$

Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 380 V)	$\leq 910\text{ }\mu\text{S/cm}$	$\leq 910\text{ }\mu\text{S/cm}$	$\leq 910\text{ }\mu\text{S/cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 400 V)	$\geq 1100\text{ }\Omega\text{ cm}$	$\geq 1100\text{ }\Omega\text{ cm}$	$\geq 1100\text{ }\Omega\text{ cm}$
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 400 V)	$\leq 910\text{ }\mu\text{S/cm}$	$\leq 910\text{ }\mu\text{S/cm}$	$\leq 910\text{ }\mu\text{S/cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 415 V)	$\geq 1200\text{ }\Omega\text{ cm}$	$\geq 1200\text{ }\Omega\text{ cm}$	$\geq 1200\text{ }\Omega\text{ cm}$
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 415 V)	$\leq 830\text{ }\mu\text{S/cm}$	$\leq 830\text{ }\mu\text{S/cm}$	$\leq 830\text{ }\mu\text{S/cm}$
Energy efficiency class	A	A	A
IP-Rating	IP25	IP25	IP25
Colour	white	white	white
Weight	3,6 kg	3,6 kg	3,6 kg



Type	HDB-E 24 Si
Part no.	232006
Rated output	24 kW
Height	470 mm
Width	225 mm
Depth	117 mm
Technical data	
Rated voltage 1	380 V
Rated output 1	21,7 kW
Rated current 1	33,3 A
Fuse 1	35 A
Frequency 1	50/60 Hz
Rated voltage 2	400 V
Rated output 2	24 kW
Rated current 2	35 A
Fuse 2	35 A
Frequency 2	50/60 Hz
Rated voltage 3	415 V
Rated output 3	25,8 kW
Rated current 3	36,3 A
Fuse 3	40 A
Frequency 3	50/- Hz
Phases	3/PE
Temperature adjustment	55 °C
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 380 V)	$\geq 1100\text{ }\Omega\text{ cm}$

Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 380 V)	$\leq 910\text{ }\mu\text{S/cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 400 V)	$\geq 1100\text{ }\Omega\text{ cm}$
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 400 V)	$\leq 910\text{ }\mu\text{S/cm}$
Specific resistance $\rho_{15} \geq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 415 V)	$\geq 1200\text{ }\Omega\text{ cm}$
Specific conductivity $\sigma_{15} \leq$ (at $\vartheta_{cold} \leq 35\text{ °C}$ and 415 V)	$\leq 830\text{ }\mu\text{S/cm}$
Energy efficiency class	A
IP-Rating	IP25
Colour	white
Weight	3,6 kg