

DCE-X 6/8 Premium

COMPACT INSTANTANEOUS WATER HEATER

PRODUCT-NO.: 238158

APPLICATION: DCE-X Premium is a space saving compact instantaneous water heater for DHW supply to single or multiple draw-off points, e.g., shower, kitchen sink, washbasin, or hand washbasin. In commercial settings, for utility rooms or for multiple hand washbasins in public sanitary facilities. Sealed unvented, pressure-tested appliance for use with all commercially available pressure taps.

EQUIPMENT/CONVENIENCE: Fully electronically controlled, compact instantaneous water heater with 4i technology. Guaranteed accurate temperature delivery at all times thanks to electronic flow meter. Temperature selection from 20 - 60 °C (68 - 140 °F) via rotary selector. Variable temperature adjustment in 0.5 °C/1 °F steps. Large, white backlit multifunction display to show set temperature, current power consumption, energy consumption, flow rate, time, status and service information. Memory function for 2 programmable preferred temperatures, wide range of comfort functions such as Wellness programs and automated bath filling. Individually adjustable temperature limit (childproofing). LED indicator provides information about the heating operation. Key lock prevents unintentional adjustment.

EFFICIENCY: Energy and water savings of up to 30 % through full electronic output control with 4i technology. 3 sensors and an additional motorised valve ensure accurate temperature delivery. For this, only the actual required amount of energy is expended; there is no need to add cold water at the tap. This ensures maximum energy efficiency. No cylinder or line losses. Consumption indicator. ECO mode can be individually selected for particularly economical operation. Suitable for preheated water (e.g. in solar thermal and heat pump systems).

INSTALLATION/SERVICE: PROFI-RAPID installation system for time saving, straightforward installation. Straightforward, stable wall mounting: Direct fitting through the appliance back panel enables easy compensation of drill hole discrepancies. Appliance cover easy to open thanks to central screw. Fast, universal water connection: 1/2" brass water connections, located at bottom for installation on finished walls. Installation on unfinished walls for non-visible water connections is possible with optional accessories. Suitable for plastic pipes (observe manufacturer's instructions). Straightforward and flexible electrical connection: Electrical connection at the bottom or top of unfinished walls. Electrical connection at the bottom or side on finished walls. Selectable output can be adjusted internally. Protection rating IP 25 (hoseproof). Fault memory can



be called up on the display for fault analysis, plus LED diagnostic traffic lights.
Complete inner assembly can be removed from the back panel.

SAFETY: Rapid bare wire heating system, suitable for hard and soft water. Multi-stage electronic safety concept with air bubble detection. Internally adjustable static temperature limiting to max. 43 °C, 50 °C or 55 °C.

The main features

Fully electronic compact instantaneous water heater with 4i technology for maximum energy efficiency and accurate temperature delivery at all times

Large illuminated multifunction display for easy operation

ECO mode for extremely energy efficient operation

Full transparency thanks to water and power consumption indicator

High quality design | Made in Germany

Two temperature memory buttons for quick temperature selection

Temperature limit (childproofing)

Extensive range of convenience and safety functions

Quick PROFI-RAPID installation

Selectable appliance output for a high degree of installation flexibility

Fast and reliable bare wire heating system

Suitable for reheating preheated water up to 55 °C (maximum inlet temperature 70 °C)

Multi stage electric safety concept



Type	DCE-X 6/8 Premium	DCE-X 10/12 Premium
Part no.	238158	238159

Electrical details

Rated voltage 1	220 V	220 V
Rated voltage 2	230 V	230 V
Rated voltage 3	240 V	240 V
Rated output 1	6.0/8.0 kW	10.0/12.0 kW
Rated output 2	6.6/8.7 kW	11.0/13.1 kW
Rated output 3	7.2/9.6 kW	12.0/14.3 kW
Rated current 1	27.3/36.4 A	45.5/54.5 A
Rated current 2	28.5/38.0 A	47.8/57.0 A
Rated current 3	30.0/40.0 A	50.0/59.5 A
Fuse 1	30/40 A	50/60 A
Fuse 2	30/40 A	50/60 A
Fuse 3	30/40 A	50/60 A
Frequency 1	50/60 Hz	50/60 Hz
Frequency 2	50/60 Hz	50/60 Hz
Frequency 3	50/60 Hz	50/60 Hz
Phases	1/N/PE	1/N/PE
Specific resistance $\rho_{15} \geq$	1100 Ω cm	1100 Ω cm
Specific conductivity $\sigma_{15} \leq$	910 μ S/cm	910 μ S/cm
Max. mains impedance at 220 V / 50 Hz	0,038 Ω	0,026 Ω
Max. mains impedance at 230 V / 50 Hz	0,037 Ω	0,025 Ω
Max. mains impedance at 240 V / 50 Hz	0,035 Ω	0,024 Ω

Hydraulic data

Rated capacity	0.277 l	0.277 l
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Energy data

Energy efficiency class	A	A
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Dimensions

Height	372 mm	372 mm
Width	217 mm	217 mm
Depth	109 mm	109 mm

Weights

Weight	2,5 kg	2,5 kg
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Application limits

Max. permissible pressure	1 MPa	1 MPa
{Mindestversorgungsdruck}	0,18 MPa	0,18 MPa
Max. inlet temperature for reheating	55 °C	55 °C
Available temperature range	Off, 20 - 60 °C	Off, 20 - 60 °C

Versions

Colour	white	white
Type of installation	Oversink/undersink	Oversink/undersink
Connected load options	true	true
Protection class	1	1
Insulation block	Plastic	Plastic
Heating system heat generator	Bare wire	Bare wire
Cap and back panel	Plastic	Plastic
IP-Rating	IP25	IP25

Connections

Water connection	G 1/2 A	G 1/2 A
Values		
Max. inlet temperature (e.g. pasteurisation)	70 °C	70 °C
ON	1.3 l/min	1.3 l/min
Flow rate at 28 K	3.1/4.1 @ 220 V l/min	5.1/6.2 @ 220 V l/min
Flow rate at 50 K	1.7/2.3 @ 220 V l/min	2.9/3.5 @ 220 V l/min
Pressure drop for flow rate at 50 K (without flow limiter)	0.01/0.01 MPa	0.02/0.03 MPa

Contact information

Do you have additional questions? Then please do not hesitate to contact us, we would be only too happy to help:

Call 0151 346 2300

Or send an e-mail to

sales@stiebel-eltron.co.uk

Only a qualified contractor should carry out the installation, commissioning, maintenance and repair of this appliance. Where applicable and prior to installation the electricity and/or water utility companies should be notified of your intention to install the product.