

# DCE-X 10/12 Premium

COMPACT INSTANTANEOUS WATER HEATER

PRODUCT-NO.: 238159

**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

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Large illuminated multifunction display for easy operation

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ECO mode for extremely energy efficient operation

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Full transparency thanks to water and power consumption indicator

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High quality design | Made in Germany

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Two temperature memory buttons for quick temperature selection

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Temperature limit (childproofing)

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Extensive range of convenience and safety functions

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Quick PROFI-RAPID installation

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Selectable appliance output for a high degree of installation flexibility

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Fast and reliable bare wire heating system

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

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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 $\Omega$ cm | 1100 $\Omega$ cm |
| Specific conductivity $\sigma_{15} \leq$ | 910 $\mu$ S/cm   | 910 $\mu$ S/cm   |
| Max. mains impedance at 220 V / 50 Hz    | 0,038 $\Omega$   | 0,026 $\Omega$   |
| Max. mains impedance at 230 V / 50 Hz    | 0,037 $\Omega$   | 0,025 $\Omega$   |
| Max. mains impedance at 240 V / 50 Hz    | 0,035 $\Omega$   | 0,024 $\Omega$   |

## Hydraulic data

|                       |         |         |
|-----------------------|---------|---------|
| <b>Rated capacity</b> | 0.277 l | 0.277 l |
|-----------------------|---------|---------|

## Energy data

|                                |   |   |
|--------------------------------|---|---|
| <b>Energy efficiency class</b> | A | A |
|--------------------------------|---|---|

## Dimensions

|               |        |        |
|---------------|--------|--------|
| <b>Height</b> | 372 mm | 372 mm |
| <b>Width</b>  | 217 mm | 217 mm |
| <b>Depth</b>  | 109 mm | 109 mm |

## Weights

|               |        |        |
|---------------|--------|--------|
| <b>Weight</b> | 2,5 kg | 2,5 kg |
|---------------|--------|--------|

## Application limits

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

## Versions

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

## Connections

|                         |         |         |
|-------------------------|---------|---------|
| <b>Water connection</b> | G 1/2 A | G 1/2 A |
|-------------------------|---------|---------|

**Values**

|   |                          |                          |
|---|--------------------------|--------------------------|
| <b>Max. inlet temperature (e.g. pasteurisation)</b>               | 70 °C                    | 70 °C                    |
| <b>ON</b>   | 1.3 l/min                | 1.3 l/min                |
| <b>Flow rate at 28 K</b>  | 3.1/4.1 @<br>220 V l/min | 5.1/6.2 @<br>220 V l/min |
| <b>Flow rate at 50 K</b>  | 1.7/2.3 @<br>220 V l/min | 2.9/3.5 @<br>220 V l/min |
| <b>Pressure drop for flow rate at 50 K (without flow limiter)</b> | 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](mailto: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.