

Data Sheet

DHE 18 AU | DHE 27 AU

Instantaneous 3 Phase Electric Water Heater

60°Celsius instant hot water delivered with precision

STIEBEL ELTRON

Technik zum Wohlfühlen



The advantages

- › Made in Germany
- › Temperature selection between 20-60° Celsius
- › Instantaneous, continuous supply of hot water
- › Compact space saving design for installation flexibility
- › No safe tray, flue or ventilation required
- › Electronically controlled to accurately regulate the output water temperature, compensates for fluctuations in pressure and temperature changes
- › Can accept pre-heated water (up to 55°C), e.g. for reheating with a solar heating system
- › Easy to read backlight display, changes from amber to green when operating in an ECO mode
- › Electronic safety system with air detection
- › Bare wire element design suitable for hard or soft water areas
- › Economy monitor shows energy, water and CO₂ savings compared to a hydraulic instantaneous water heater
- › Available in two electrical sizes:
 - › DHE 18 - 19.4kW, 27 Amps per phase, 3 phase 415V
 - › DHE 27 - 29.1kW, 40 Amps per phase, 3 phase 415V
- › WaterMark approved, licence number WMKA00301, AS3498



PLEASE NOTE: The DHE AU SERIES superseded the DHE SERIES.

4 - fold intelligence for limitless premium comfort |
For fully electronic regulation, STIEBEL ELTRON relies on 4i technology. This combines three sensors and a motorised valve. The sensors measure the inlet temperature, outlet temperature and flow rate.

Ideal installation areas*

- › Houses
- › Apartments
- › Factory bathrooms or sinks
- › Kitchenettes
- › Restaurants or Cafes

For more information on the right Stiebel Eltron water heater for your project please contact our Technical Services Department on 09 486 2221 (New Zealand).

*Dependent on model selected

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3 PHASE ELECTRIC

Model number	DHE 18 AU	DHE 27 AU
Rated output (415V)	19.4kW	29.1kW
Rated current (415V)	27 Amp	40 Amp
Phases	3/PE	3/PE
Electrical installation	As per AS/NZS3000	
Installation requirements	AS/NZS3500.4.2 & local requirements	
Switch on flow rate	2.5 L/min	2.5 L/min
Permissible operating pressure	1000 kPa	1000 kPa
Temperature adjustment	20°C-60°C	20°C-60°C
IP Rating	IP25	IP25
Height	478 mm	478 mm
Width	225 mm	225 mm
Depth	105 mm	105 mm
Weight (filled with water)	4.9 kg	4.9 kg
Colour	white	white
Nominal capacity	0.4L	0.4L
Approvals	WaterMark Lic No. WMKA00301. AS3498	
Equipment		
For one/several draw off points	Yes / Yes	Yes / Yes
Heating system	Bare wire	Bare wire
Electronic flow rate control	Yes	Yes
Electronic air detection system	Yes	Yes
Accepts pre-heated water (solar)	Yes (incoming hot water must not exceed 55°C)	
Programmable temperature	Yes	Yes
Wellness shower programs	4	4
ECO energy & water function	Yes	Yes
Optional accessories		
Radio remote control primary	FFB1	FFB1
Radio remote control secondary	FFB2	FFB2

Temperature rise chart^	DHE 18 AU	DHE 27 AU
Add the below temperature to the cold water inlet temperature.		
4L/min	-	-
6L/min	46°C	-
8L/min	34°C	51°C
10L/min	27°C	41°C
12L/min	23°C	34°C
14L/min	19°C	29°C

^Please note temperature rise is based on connection to 415V

Selecting the right Stiebel Eltron instantaneous water heater

Thank you for considering the Stiebel Eltron instantaneous water heater, with over 90 years of hot water technology experience we are sure you will be happy with your choice of a Stiebel Eltron instantaneous water heater.

The temperature rise table will assist you in determining the appropriate size of instantaneous water heater required for your application. The required temperatures at specific flow rates will determine the size of system needed. Our customer support representatives can be contacted on 09 486 2221 to assist in selecting the appropriate system/systems for your project.

Installation close to the point of use

The Stiebel Eltron DHE instant water heaters compact design allows for ease of installation close to the point of use. In order to minimise thermal losses in the pipe work the water heater should be installed as close to the point of use as possible.

Electrical installation

This water heater must be installed in accordance with AS/NZS3000 electrical regulations by a qualified installer.

Plumbing installation

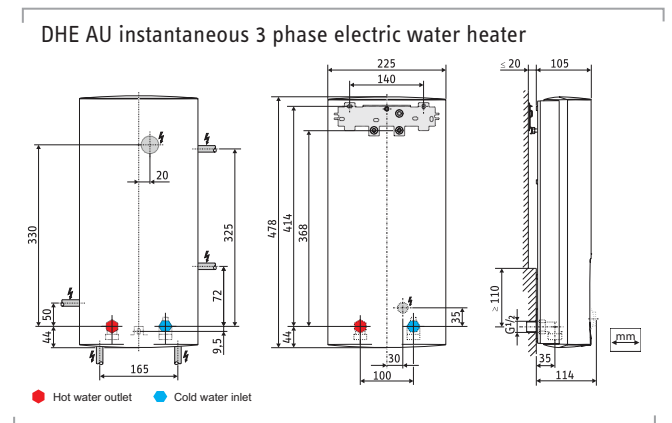
This water heater must be installed in accordance with AS/NZS3500.4.2 and local authority regulations by a qualified installer.

Warranty

For full warranty information please visit www.stiebel.co.nz.

Technical Support

Stiebel Eltron NZ Limited
Telephone: 09 486 2221 (New Zealand)
Website: www.stiebel.co.nz
Email: service@stiebel.co.nz



STIEBEL ELTRON is committed to our policy of continual improvement, some features may have subsequently been changed or even removed. Our advisors will be happy to consult with you regarding the currently applicable equipment features. The images used in this brochure are for reference only.