




3-Phase Electric Instantaneous Product Selection Guide

Water heating






Below table helps you to identify the right STIEBEL unit depending on the number of fixture outlets that you wish to serve. Be aware that the table serves as general guidance only. If you require further assistance, please free call our national service centre on 1800 153 351.

Legend & Assumptions

-  shower(s)
-  sink(s)
-  basin(s)









Cold Water Temperature = 15°C
 Mixed Water Temperature, delivered at outlet = 40°C
 Shower Rise Flowrate 9 L/min
 Sink Flowrate 7.5 L/min
 Basin Flowrate 6 L/min

Please select 1 column

Water Heater Model		Ideal Installation	Electrical Loading	H × W × D (mm)	VAP Offering			
3-PHASE ELECTRIC INSTANTANEOUS	 DHB ST Trend 50°C	<ul style="list-style-type: none"> › Delivers a maximum water temperature of 50°C (AS3498) › Kitchen sink (50°C) › Bathroom 	18 kW 30 Amps per Phase 3 Phase 415 V	466 × 225 × 116	✓	1	2	2
			21 kW 32 Amps per Phase 3 Phase 415 V			1	2	3
			24 kW 36 Amps per Phase 3 Phase 415 V			2	2	4
	 DHB ST Trend 60°C	<ul style="list-style-type: none"> › Kitchen sink (60°C) › Bathroom (suitable for use with a TMV) › Solar boosting › Commercial glass or dish washing › Can accept pre-heated hot water of up to 55°C 	18 kW 30 Amps per Phase 3 Phase 415 V	466 × 225 × 116	✓	1	2	2
			21 kW 32 Amps per Phase 3 Phase 415 V			1	2	3
			24 kW 36 Amps per Phase 3 Phase 415 V			2	2	4

*15°C Cold Water

Please select 1 column

Water Heater Model		Ideal Installation	Electrical Loading	Flow Rate & Temperature Rise	H × W × D (mm)				
3-PHASE ELECTRIC INSTANTANEOUS	 DHE 27 AU	<ul style="list-style-type: none"> › Kitchen sink (60°C) › Bathroom (suitable for use with a TMV) › Solar boosting › Commercial glass or dish washing › Can accept pre-heated hot water of up to 55°C 	28.0 kW 40 Amps per Phase 3 Phase 415 V	Internally electronically controlled. Automatically adjusts flow to deliver right temperature.	466 × 225 × 116	2	2	4	
			19.4 kW 27 Amps per Phase 3 Phase 415 V			1	2	3	
	 DEL 27 PLUS 50°C	<ul style="list-style-type: none"> › Delivers a maximum water temperature of 50°C (AS3498) › Kitchen sink (50°C) › Bathroom › Eco-Mode - Electronically adjust the flow rate 	28 kW 39 Amps per Phase 3 Phase 415 V	18 L/min = 22°C rise (= 2 showers mixed)	466 × 225 × 116	2	2	4	
			19.4 kW 27 Amps per Phase 3 Phase 415 V	15 L/min = 19°C rise (= 1 shower, 1 basin, mixed)		1	2	3	
			14.5 kW 20 Amps per Phase 3 Phase 415 V	12 L/min = 17°C rise (= 1 shower, 1 basin, mixed)		1	1	2	
	 DHB-E 27 LCD	<ul style="list-style-type: none"> › Kitchen sink (60°C) › Bathroom (suitable for use with a TMV) › Commercial glass or dish washing 	28 kW 39 Amps per Phase 3 Phase 415 V	18 L/min = 22°C rise (= 2 showers mixed)	466 × 225 × 116	2	2	4	
			19.4 kW 27 Amps per Phase 3 Phase 415 V	15 L/min = 19°C rise (= 1 shower, 1 basin, mixed)		1	2	3	
			14.5 kW 20 Amps per Phase 3 Phase 415 V	12 L/min = 17°C rise (= 1 shower, 1 basin, mixed)		1	1	2	
	SINGLE PHASE	 DHCE 8/60	<ul style="list-style-type: none"> › 2 Basins › 1 Sink 	9.5 kW 40 Amps Single phase 240 V (hard wired)	6 L/min = 23°C rise	360 × 200 × 110	0	1	2
				9.5 kW 40 Amps Single phase 240 V (hard wired)	6 L/min = 23°C rise		0	1	2
 DHCE 6/50 50°C		<ul style="list-style-type: none"> › Delivers a maximum water temperature of 50°C (AS3498) › 2 Basins › 1 Sink 	7.1 kW 30 Amps Single phase 240 V (hard wired)	6 L/min = 17°C rise	0		0	2	
			6.2 kW 25 Amps Single phase 240 V (hard wired)	4 L/min = 22°C rise	0		0	1	

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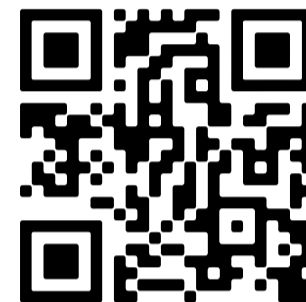
Water heating

Instantaneous water heaters by STIEBEL ELTRON use electricity to produce hot water. The power needed depends on the cold water inlet temperature as well as the desired water flow rate: a low cold water temperature combined with high flow rates require a more powerful appliance to heat water.

Cold water inlet temperature in VIC approx. average of 15°C

The below chart shows the temperature rises that can be achieved by an electric instantaneous water heater based on its kW rating. To determine an approximate outlet temperature, add the below figure to the cold water temperature of your area.

EXAMPLE: A DHE 18 AU with a rated output of 19.4 kW comes with a temperature rise of approximately 31°C at a flow rate of 9 L/min. Add 31°C to a cold water temperature of 15°C in Melbourne, and you get an approximate outlet temperature of 46°C.



For the most up to date product information, diagrams and data sheets, head to

stiebel-eltron.com.au/downloads

Temperature Rise Chart

Cold water temperature + temperature rise at certain flow rate = outlet temperature.
Please note that the maximum outlet temperature of each model will never be exceeded.

Model	Rated Output	Flow Rate in L/min													
		1.5	2.5	3	4	4.5	5	6	7	8	9	10	11	12	13
DHE 18 AU	19.4 kW		60 °C	60 °C	60 °C	60 °C	55 °C	45 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DHE 27 AU	28.0 kW		60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	59 °C	52 °C	46 °C	42 °C	38 °C	35 °C	32 °C
DEL 13 PLUS	14.5 kW			50 °C	50 °C	46 °C	41 °C	35 °C	30 °C	26 °C	23 °C	21 °C	19 °C	17 °C	
DEL 18 PLUS	19.4 kW		50 °C	50 °C	50 °C	50 °C	50 °C	46 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DEL 27 PLUS	28.0 kW		50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	44 °C	40 °C	36 °C	33 °C	31 °C
DHB-E 13 LCD	14.5 kW			60 °C	52 °C	46 °C	41 °C	35 °C	30 °C	26 °C	23 °C	21 °C	19 °C	17 °C	
DHB-E 18 LCD	19.4 kW			60 °C	60 °C	60 °C	55 °C	45 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DHB-E 27 LCD	28.0 kW			60 °C	60 °C	60 °C	60 °C	60 °C	57 °C	50 °C	44 °C	40 °C	36 °C	33 °C	31 °C
DEM 6	6.2 kW		35 °C	29 °C	22 °C	19 °C	17 °C	14 °C							
DHCE 6/50	7.1 kW	50 °C	41 °C	34 °C	26 °C	23 °C	20 °C	17 °C	15 °C	13 °C	11 °C				
DHCE 8/50	9.5 kW	50 °C	50 °C	45 °C	34 °C	30 °C	27 °C	23 °C	19 °C	17 °C	15 °C				
DHCE 8/60	9.5 kW	60 °C	54 °C	45 °C	34 °C	30 °C	27 °C	23 °C	19 °C	17 °C	15 °C				

*This is intended as a guide only. Installation, pipework and voltages can cause discrepancies.



Have we sparked your interest? For further information visit www.stiebel.com.au or call our service team on 1800 153 351.