

Commercial Hot Water

Energy efficient project solutions



WPL-A Trend 10.2, 13.2 & 17.2

Air source heat pumps

Heat efficiently and protect the environment

The WPL-A Trend air source heat pump is highly suited to hot water applications, since the inverter unit achieves high flow temperatures even at very low outside temperatures of down to -25 °C. The WPL-A Trend range uses R290 natural refrigerant with <4 GWP. In combination with its high efficiency, the heat pump scores highly as an environmentally responsible heating technology.

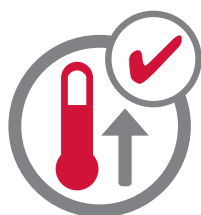
Product features

- › Air source heat pump with inverter technology provides adjusted heating output
- › High flow temperatures of up to 75 °C enable high DHW temperatures and mixed water volumes
- › Low operating costs through high efficiency all year round
- › Smart Grid and EMS ready for connection to solar or smart load management



Type		WPL-A 10.2 Trend	WPL-A 13.2 Trend	WPL-A 17.2 Trend
Nominal Capacity	kW	10	13	17
COP (A20W45)		5.10	4.81	5.04
Maximum Flow Temperature	°C	75	75	75
Application range	°C	-25 to +40	-25 to +40	-25 to +40
Sound Power Level - EN12102	dB(A)	46	49	52
Refrigerant		R290	R290	R290
Refrigerant charge	Kg	1.4	1,6	2,15
Global Warming Potential	GWP	3	3	3
Electrical Supply	V/Ph/Hz/A	230-240V/1/50/20	400-415V/3/50/15	400-415V/3/50/15
Weight	Kg	150	176	209

100 years of experience that you can rely on



Highest Efficiency

Delivers up to 75°C flow temperature, ensuring maximum mixing water volumes without the need for additional electric heaters with highest performance factors.



Robust Quality

Built to withstand the harshest conditions, our high-quality machines meet all hot water temperature requirements and come pre-tested for maximum reliability.



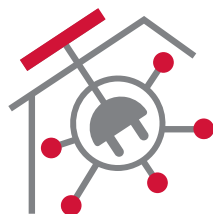
Flexible Installation Options

Available for both on-site installation or pre-manufactured on a skid, providing convenience and adaptability to different project needs.



Remote Access

Convenient settings and analysis from the back office or through BMS integration saves time and provides all necessary information.



Solar PV and EMS Integration

Seamlessly integrates with Solar PV and EMS systems to maximise self-consumption or incorporate into a larger energy management system.

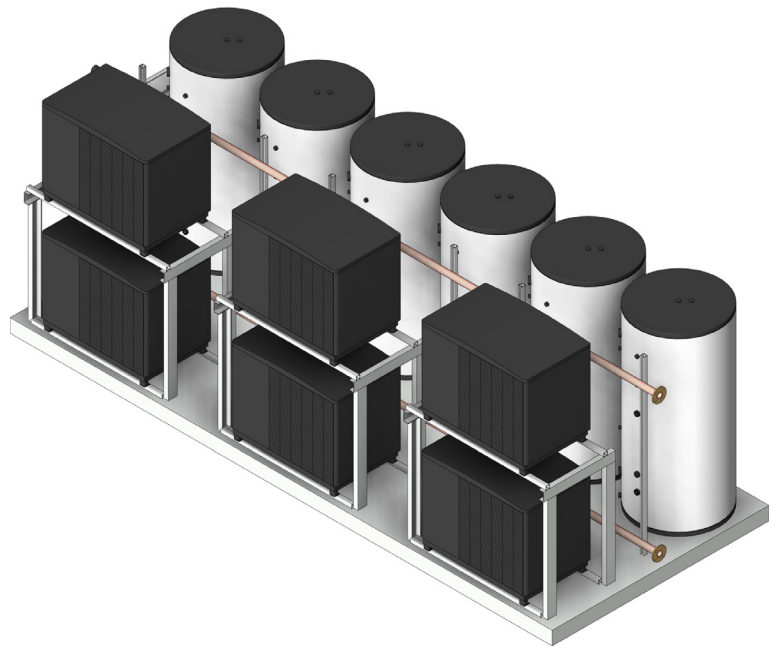


R290 Natural Refrigerant

Optimised R290 refrigerant circuit with integrated gas separator, vent valve, pressure relief valve and electronic shut-off monitoring.

Commercial Hot Water Packages

The STIEBEL ELTRON CMT hot water package is available in a variety of options providing a flexible and scalable hot water solution for medium to large applications, featuring cascaded WPL A Trend air-water heat pumps paired with Duplex 2205 stainless steel closed-loop storage tanks. The combination of heat pump and tanks is configurable ensuring robust and adaptable performance for various installation scenarios. Each package is engineered for maximum efficiency incorporating inverter technology to optimize energy use, reduce start-up power, and enable precise reticulation recovery through the tanks, or directly via the heat pump. Its compliance with Australian Standards makes it ideal for sustainable new builds and retrofits alike.



Example

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Commercial

Modular

Trend

Number of
Heat Pumps

Number of
Tanks

Each Heat Pump
capacity in kW

Each Storage Tank
Capacity in Litres

Packages

Flex Packages:	CMT-11-10-800CMT-22-10-800CMT-33-10-800CMT-44-10-800CMT-55-10-800CMT-66-10-800CMT-23-13-800CMT-35-13-800CMT-12-17-800CMT-24-17-800CMT-36-17-800										
	WPL-A 10	WPL-A 10	WPL-A 10	WPL-A 10	WPL-A 10	WPL-A 10	WPL-A 13	WPL-A 13	WPL-A 17	WPL-A 17	WPL-A 17
HP QTY	1	2	3	4	5	6	2	3	1	2	3
Tank QTY	1	2	3	4	5	6	3	5	2	4	6
Heating Cylinder Volume (L)	829	1658	2487	3316	4145	4974	2487	4145	1658	3316	4974
Backup Element in each Tank (kW)	3.0										
PTR Valve Setting (kPa)	700										
Recovery Rate (L/hr)	172	344	516	688	860	1032	446	669	292	584	846
Min Spatial Requirement (m2)	6	12	17.5	21	28	31.5	17.5	28	12	21	31.5
Dry Weight (Kg)	377	679	981	1283	1585	1887	883	1363	588	949	1614
Wet Weight (Kg)	1206	2337	3468	4599	5730	6861	3370	4679	2246	3436	6588
Connected Load (A)	36	72	108	144	180	215	120	187	72	143	215
Peak Draw (kW)	7.6	15.2	22.8	30.4	38	45.6	24.3	38	16.2	32.4	48.6
Voltage/Phase	400-415V/3Ph+N/50Hz										
Min Circuit Size per Phase (A)	25	45	45	70	85	85	50	80	35	70	85

Warranty Information

Standard Manufacturer's Warranty

Component	Parts (yrs)	Labour (yrs)
Heat Pump	2	2
Tanks	3	2

Extended Manufacturer's Warranty after Commissioning by Stiebel Eltron

Component	Parts (yrs)	Labour (yrs)
Heat Pump	3	3
Tanks	5	3

Extended Manufacturer's Warranty with Preventative Maintenance Package by Stiebel Eltron

Component	Parts (yrs)	Labour (yrs)
Heat Pump	10	10
Tanks	10	10

For full details of the manufacturers and extended warranties, please contact your local STIEBEL ELTRON representative or email our technical department on technical@stiebel-eltron.com.au