Rinnai



Enviroflo Heat Pumps

AR Series & GR Series

Enviroflo AR Series Heat Pump

Proudly designed and built in Australia, the Rinnai Enviroflo AR Series Electric Integrated Heat Pump hot water system is your go-to solution for dependable and efficient hot water.

Offered in two large capacities, 300L and 340L (the largest capacity for an integrated residential heat pump in Australia), and available with standard or hard water anodes, these systems will meet any site requirements.

Enjoy the benefits of the single element boost feature, guaranteeing hot water availability even during peak usage or cold weather.

The Enviroflo AR Series is an eco-friendly choice, utilising R290, a sustainable refrigerant, and featuring PV compatibility that allows you to harness solar energy for enhanced efficiency and savings. Built to endure Australia's tough climate, these systems can handle water pressures up to 1000kPa, ensuring long-lasting performance.

Their lightweight design also facilitates quick and safe installation, providing you with hot water with minimal hassle and environmental impact.

Australian designed and built

Large capacities at 300L & 340L

Largest integrated residential heat pump in Australia

Quiet operation at 45dB(A)


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AR Series Features and Benefits

Locally Made
Australian designed and built with a high level of product quality to withstand tough Australian conditions.

Large capacities at 300L & 340L
Including the largest capacity for an integrated residential heat pump in Australia.

Quiet Operation
Operates quietly at a low 45dB(A), quieter than the average noise level of a household dishwasher.

Energy Efficient
Innovative controller to maximise hot water availability while using more than 70% less energy*

Environmentally Focused
High efficiency R290 refrigerant with a low Global Warming Potential of just 0.02.

Versatile
Multiple operating modes (Standard/ECO/Hybrid/ Electric/Vacation).

Choice
Standard and hard water anode options available.

Adaptable for All Climates
Operates in ambient air conditions ranging from -7°C to 45°C.

Defrost Control
Built in anti-frost function to protect the evaporator in colder climates.

Reliable
Inbuilt electric element to ensure you always have a reliable supply of hot water.

Auto Disinfection
Auto disinfection preventing the potential growth of legionella.

Low Ambient Performance
Higher compressor performance improves water heat up time.

Automated
Auto restart function - in the event of a power outage it will automatically restart once the power is re-instated.

PV Compatible
Can be networked with solar PV for enhanced efficiency and savings.

Off-Peak Compatible
Option to run only at off-peak times, when the electricity cost is lower.

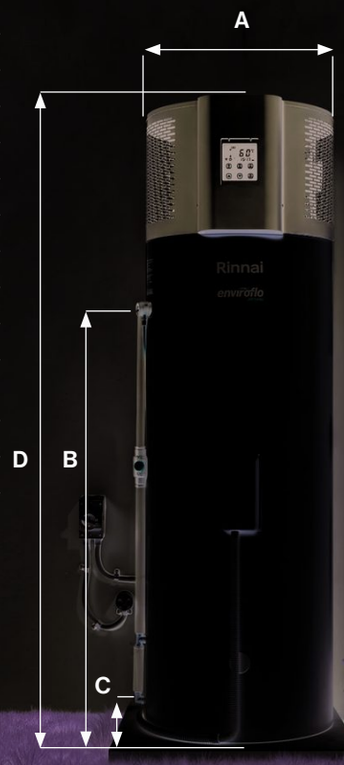
Built in Wi-Fi
The built in Wi-Fi module allows for convenient control from anywhere.

*Energy saving based on a Rinnai Enviroflo AR Series Heat Pump when compared to a standard electric water heater of the same capacity during peak winter load in Zone 3 and 4 based on AS/NZS4234. Savings will vary depending on location (Zone 1-5), type of water heater being replaced, hot water consumption and associated fuel tariffs.

AR Series Technical Information

Model	Description	A Diameter (mm)	B Hot Outlet (mm)	C Cold Inlet (mm)	D Height (mm)	Empty Weight (Kgs)	Sizing Guide
EHPA300VM	300L AR Series Heat Pump	652	1259	116	1925	128	Up to 6 People, 3 Bathrooms, 4 Bedrooms
EHPA300VMH	300L AR Series (Hard Water) Heat Pump						
EHPA340VM	340L AR Series Heat Pump	652	1429	116	2095	138	Up to 7 People, 3 Bathrooms, 5 Bedrooms
EHPA340VMH	340L AR Series (Hard Water) Heat Pump						

Technical Information		EHPA300VM/ EHPA300VMH	EHPA340VM/ EHPA340VMH
Net Weight/Filled Weight (kg)		128/428	138/478
Tank Volume (L)		300	340
Sound Level		45 dB(A)	
Ambient Temperature Limits (for heat pump operation - element will operate beyond these limits) (°C)		-7°C to 45°C	
Ingress Protection		IP24	
Storage Cylinder - Hot Outlet and Cold Inlet Connections		ISO 7.1¾" RP	
Storage Cylinder - PTR valve connection		ISO 7.1½" RP	
Pressure and Temperature Relief (PTR) supplied valve settings/ratings		1000 kPa / 10kW	
ECV Fitted	Fit PLV if mains pressure exceeds	680 kPa	
	Recommended PLV pressure rating	500 kPa	
ECV Not Fitted	Fit PLV if mains pressure exceeds	800 kPa	
	Recommended PLV pressure rating	500 kPa	
Refrigerant Type / Mass		R290 / 380g	
Rated Input Electric Element (Factory Wired)		2.4kW	
Rated Input Refrigeration Module (Factory Wired)		1.2kW	
Total Rated Input (To be wired by installer)		3.4kW	
Maximum Energy Output (Use to size PTR)		7.5kW	
Power Supply		220V-240V AC/50 Hz.	
Rated Current		15 Amps	
Refrigerant Circuit Maximum Pressure		3000 kPa	
Coefficient Of Performance (COP) (32.6°C ambient 21.1°C cold water inlet)		8.4	
Heat Output		4.4 kW	
Package Size		713x713x2016	713x713x2186



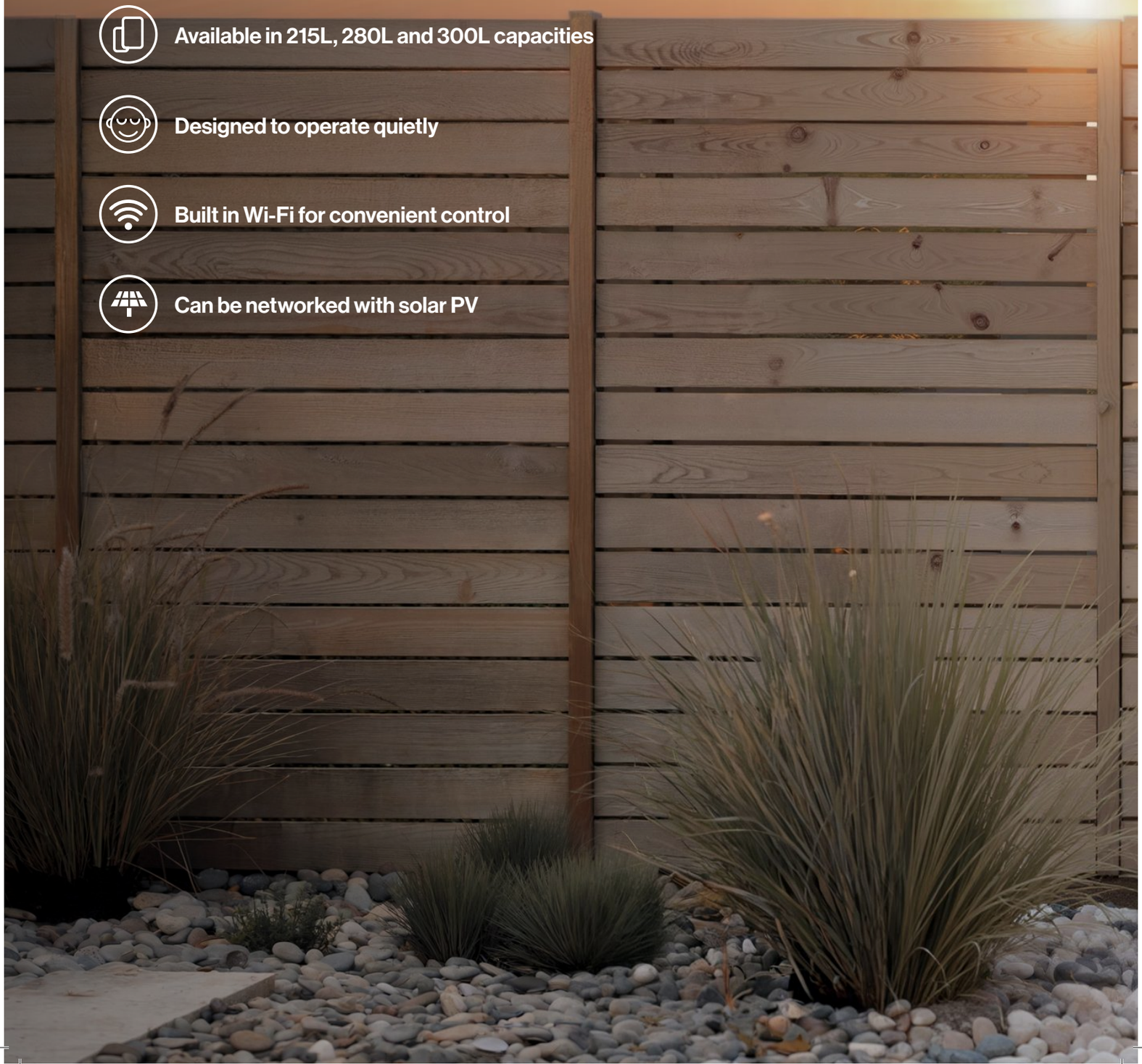
Enviroflo GR Series Heat Pump

The Rinnai Enviroflo GR Series Electric Integrated Heat Pump hot water systems are your reliable choice for efficient hot water. Designed to meet a variety of installation needs across Australia, the GR Series offers capacities of 215L, 280L and 300L, making it suitable for diverse site requirements.

Featuring as standard a single element boost, you can enjoy hot water comfort, anytime. The GR Series is PV compatible, allowing for integration with solar energy systems to enhance efficiency.

Built to withstand Australia's tough climate, these systems operate effectively under water pressures up to 1000kPa, ensuring durability and dependable performance. Plus, they utilise R290, an environmentally friendly refrigerant, making them a sustainable choice for your hot water needs.

- **Available in 215L, 280L and 300L capacities**
- **Designed to operate quietly**
- **Built in Wi-Fi for convenient control**
- **Can be networked with solar PV**




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GR Series

GR Series Features and Benefits

Choice
Available in capacities of 215L, 280L and 300L to suit your hot water needs.

Quiet Operation
Operates quietly at a low 46dB(A), quieter than the average noise level of a household dishwasher.

Built in Wi-Fi
The built in Wi-Fi module allows for convenient control from anywhere.

PV Compatible
Can be networked with solar PV for enhanced efficiency and savings.

Energy Efficient
Innovative controller to maximise hot water availability while using more than 70% less energy*

Environmentally Focused
High efficiency R290 refrigerant with a low Global Warming Potential of just 0.02.

Versatile
Multiple operating modes (Standard/ECO/Hybrid/ Electric/Vacation).

Adaptable for All Climates
Operates in ambient air conditions ranging from -7°C to 45°C.

Renowned Quality
Designed and built with a high level of product quality, backed by over 50 years of Rinnai's excellence in hot water.

Defrost Control
Built in anti-frost function to protect the evaporator in colder climates.

Reliable
Inbuilt electric element to ensure you always have a reliable supply of hot water.

Auto Disinfection
Auto disinfection preventing the potential growth of legionella.

Automated
Auto restart function - in the event of a power outage it will automatically restart once the power is re-instated.

Off-Peak Compatible
Option to run only at off-peak times, when the electricity cost is lower.

*Energy saving based on a Rinnai Enviroflo GR Series Heat Pump when compared to a standard electric water heater of the same capacity during peak winter load in Zone 3 and 4 based on AS/NZS4234. Savings will vary depending on location (Zone 1-5), type of water heater being replaced, hot water consumption and associated fuel tariffs.

GR Series Technical Information

Model	Description	A Diameter (mm)	B Hot Outlet (mm)	C Cold Inlet (mm)	D Height (mm)	Empty Weight (Kgs)	Sizing Guide
EHPG215VM	215L Enviroflo GR Series Heat Pump	640	1227	129	1875	109	Up to 4 People · 2 Bathrooms · 3 Bedrooms
EHPG280VM	280L Enviroflo GR Series Heat Pump	640	1252	112	1975	120	Up to 5 People · 2 Bathrooms · 4 Bedrooms
EHPG300VM	300L Enviroflo GR Series Heat Pump	640	1322	112	2055	124	Up to 6 People · 2 Bathrooms · 4 Bedrooms

Technical Information		EHPG215VM	EHPG280VM	EHPG300VM
Net Weight/Filled Weight (kg)		109/324	120/400	124/424
Tank Volume (L)		215	280	300
Sound Level		46 dB(A)		
Ambient Temperature Limits (for heat pump operation - element will operate beyond these limits) (°C)		-7°C to 45°C		
Ingress Protection		IP24		
Storage Cylinder - Hot Outlet and Cold Inlet Connections		ISO 7.1¾" RP		
Storage Cylinder - PTR valve connection		ISO 7.1½" RP		
Pressure and Temperature Relief (PTR) supplied valve settings/ ratings		1000 kPa / 10kW		
ECV Fitted	Fit PLV if mains pressure exceeds	680 kPa		
	Recommended PLV pressure rating	500 kPa		
ECV Not Fitted	Fit PLV if mains pressure exceeds	800 kPa		
	Recommended PLV pressure rating	500 kPa		
Refrigerant Type / Mass		R290/355g	R290/395g	
Rated Input Electric Element (Factory Wired)		2.4kW		
Rated Input Refrigeration Module (Factory Wired)		1.1kW		
Total Rated Input (To be wired by installer)		3.3kW		
Maximum Energy Output (Use to size PTR)		7.0kW		
Power Supply		220-240V AC/50 Hz		
Rated Current		13.5 Amps (15 Amp plug fitted)		
Refrigerant Circuit Maximum Pressure		3091 kPa		
Coefficient Of Performance (COP) (32.6°C ambient 21.1°C cold water inlet)		7.6	8.5	
Heat Output		3.8 kW	4.0 kW	
Package Size		725x725x1920	725x725x2020	725x725x2100

Note: Enviroflo GR Series Heat Pump is supplied with a 15 amp plug, or can be hard wired.



How Our Heat Pumps Work



Using advanced refrigeration technology, the Rinnai Enviroflo AR Series Electric Heat Pump and Rinnai Enviroflo GR Series Electric Heat Pump naturally move thermal heat energy and transfer it to the stored water. The higher the ambient air temperature, the higher the system efficiency, this is also known as Coefficient of Performance – COP.

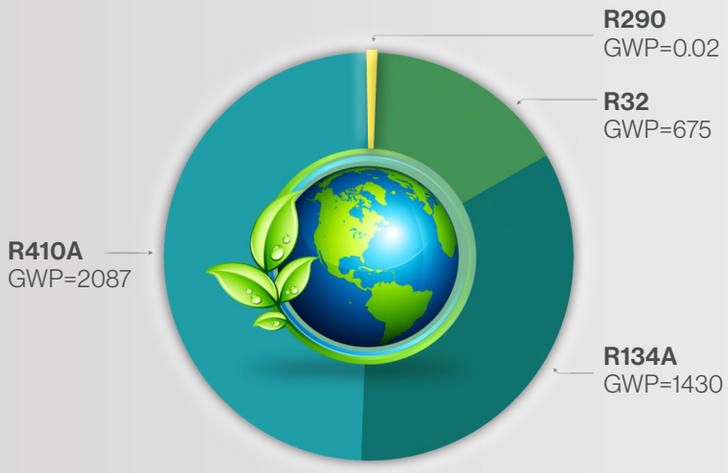
1. Compressor
The compressor is the central hub of the heating cycle which distributes the refrigerant between two heat exchange coils to facilitate efficient heat transfer.

2. Dual Protection Heat Exchanger
The highly efficient design of the heat exchanger safely transfers thermal heat from the refrigerant to the stored hot water.

3. Intelligent Controller
This clever controller continually monitors and adjusts system parameters ensuring optimum performance and system reliability.

4. Integrated DC Fan and Evaporator
40% more efficient and smaller than conventional AC fans when coupled with our in-house evaporator means reduced materials during construct and a lighter assembled weight.

5. R290 Refrigerant
This sustainable and non-toxic refrigerant has a zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of just 0.02, which is 50 times less than CO2. As such, it easily outperforms other heat pumps that typically use refrigerants with high GWP values.



Warranty

		Cylinder*	Refrigeration Components (1)	Other Components (2)
Domestic Use	Parts	7 Years	5 Years	1 Year
	Labour	5 Years		
Commercial Use	Parts	1 Year	1 Year	
	Labour			

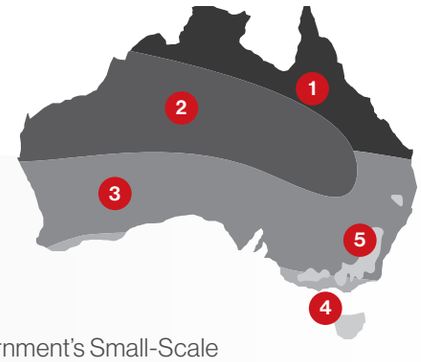
(1) Refrigeration components include but are not limited to: compressor, condenser, expansion valve, heat exchanger, evaporator and associated pipe work.
(2) Other components include but are not limited to: sensors, thermostats, valves, electric heating elements, anodes.
* Inner Storage Cylinder

We're at your service

The National Customer Care Centre provides first class service and maintenance of your system, ensuring it's running at its highest efficiency - so you can enjoy the Rinnai experience for many years to come.

Operating 5 days a week (Monday to Friday)
1300 555 545

Government Grants



Federal Small-Scale Technology Certificate (STCs)

Enviroflo's innovative design allows it to be eligible for Grants through the Federal Government's Small-Scale Renewable Energy Scheme, generously covering a proportion of the up-front costs of purchasing and installing the system. These grants are called Small-Scale Technology Certificates (STCs) and are offered based on how sustainable a hot water system is. Your STC rebate value will depend on your installation location, see the map above for your geographic zone locations.

AR Series

Certified System Code	STCs from Jan 1st 2024 to Dec 31st 2024					STCs from Jan 1st 2025 to Dec 31st 2025				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Heat Pump										
EHPA300VM / EHPA300VMH	18	17	21	23	23	15	15	18	19	19
EHPA340VM / EHPA340VMH	18	16	21	23	22	15	14	18	19	19

GR Series

Certified System Code	STCs from Jan 1st 2024 to Dec 31st 2024					STCs from Jan 1st 2025 to Dec 31st 2025				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Heat Pump										
EHPG215VM	18	17	21	23	23	15	15	18	19	19
EHPG280VM	18	17	21	23	23	15	15	18	19	19
EHPG300VM	18	17	21	23	23	15	15	18	19	19

Victoria

For Victorian consumers there are additional rebates available for replacing inefficient hot water systems with Heat Pumps. Victorian Energy Efficiency Certificates (VEECs) are offered for eligible installations on top of the Federal STC grants - making the conversion to a Rinnai Enviroflo Heat Pump the obvious low-cost choice.

New South Wales

For New South Wales consumers there are additional rebates available for replacing inefficient hot water systems with Heat Pumps. Energy Savings Certificates (ESCs) are offered for eligible installations on top of the Federal STC grants - making the conversion to a Rinnai Enviroflo Heat pump the obvious low-cost choice.

*The value of STCs and State Grants are a tradable, market driven commodity. Values are subject to daily variation and are valid as of 16.10.2024

Rinnai Australia Pty Ltd

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For further information
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rinnai.com.au

TOTAL HOME COMFORT

HOT WATER HEATING COOLING

Rinnai

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