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 environmentally stable choice, utilising R290, a sustainable refrigerant, and featuring Solar PV Panel 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 & built

Large capacities at 300L & 340L

Largest integrated residential heat pump in Australia

Quiet operation at 45dB(A)

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).



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.



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.



Solar PV Panel 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.#



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

*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.

#Rinnai uses a third-party application (App) to enhance your experience of the Rinnai product. You may use the App at your sole discretion. Please note that when you download and use the App and its services, the third-party's privacy policy and terms and conditions of service will apply. By using the Rinnai product through this App, you acknowledge and agree that: The third-party App may collect, store, and process your personal information according to its own privacy policy and App terms and conditions. Rinnai does not control and are not responsible for the content, policies, or practices of the third-party App and its services. Rinnai strongly recommends that you review the App privacy policy before using its features. The use of the third-party App is optional. For further information or clarification, please contact us at 1300 555 545 and privacy@rinnai.com.au

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	3 Bathrooms, Up to 6 People, 4 Bedrooms
EHPA300VMH	300L AR Series (Hard Water) Heat Pump						
EHPA340VM	340L AR Series Heat Pump	652	1429	116	2095	138	3 Bathrooms, Up to 7 People, 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 Pressure 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		713x713x2136mm	713x713x2306mm

*Sound Pressure Level tested @1.5m. Sound Levels on installations can be higher due to noise reflections from nearby surfaces and structures.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice. Note: All images contained within this brochure are for illustrative purposes only, the colours and finishes of the products featured are as close to the respective product range as photographic lighting and printing processes allow.



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 5 capacities ranging from 180L to 300L, making it suitable for diverse site requirements.

With a single element boost included as standard, you can enjoy reliable hot water comfort at any time. The GR Series is Solar PV Panel 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 5 capacities from 180L to 300L

Designed to operate quietly

Built in Wi-Fi for convenient control

Can be networked with Solar PV Panels

GR Series Features and Benefits



Choice
Available in 5 capacities from 180L to 300L.



Quiet Operation
Operates quietly at a low 46dB(A).



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



Solar PV Panel Compatible
Can be networked with Solar PV Panels 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).



Renowned Quality
Designed and built with a high level of 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.



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

*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.

#Rinnai uses a third-party application (App) to enhance your experience of the Rinnai product. You may use the App at your sole discretion. Please note that when you download and use the App and its services, the third-party's privacy policy and terms and conditions of service will apply. By using the Rinnai product through this App, you acknowledge and agree that: The third-party App may collect, store, and process your personal information according to its own privacy policy and App terms and conditions. Rinnai does not control and are not responsible for the content, policies, or practices of the third-party App and its services. Rinnai strongly recommends that you review the App privacy policy before using its features. The use of the third-party App is optional. For further information or clarification, please contact us at 1300 555 545 and privacy@rinnai.com.au

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
EHPG180VM10	180L Enviroflo GR Series Heat Pump 10A	640	962	114	1702	104	2 Bathrooms · Up to 3 People · 3 Bedrooms
EHPG215VM	215L Enviroflo GR Series Heat Pump 15A	640	1227	129	1875	109	2 Bathrooms · Up to 4 People · 3 Bedrooms
EHPG265VM10	265L Enviroflo GR Series Heat Pump 10A	640	1210	112	1933	118	2 Bathrooms · Up to 5 People · 4 Bedrooms
EHPG280VM	280L Enviroflo GR Series Heat Pump 15A	640	1252	112	1975	120	2 Bathrooms · Up to 5 People · 4 Bedrooms
EHPG300VM10	300L Enviroflo GR Series Heat Pump 10A	640	1322	112	2055	124	2 Bathrooms · Up to 6 People · 4 Bedrooms

Technical Information		EHPG180VM10	EHPG215VM	EHPG265VM10	EHPG280VM	EHPG300VM10
Net Weight/Filled Weight (kg)		104/284	109/324	118/383	120/400	124/424
Tank Volume (L)		180	215	265	280	300
Sound Pressure 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		R290/335g		R290/395g		
Rated Input Electric Element (Factory Wired)		1 kW	2.4 kW	1 kW	2.4 kW	1 kW
Rated Input Refrigeration Module (Factory Wired)		1.1kW				
Total Rated Input (To be wired by installer)		2.1 kW	3.3 kW	2.1 kW	3.3 kW	2.1 kW
Maximum Energy Output (Use to size PTR)		5.6 kW	7.0 kW	5.6 kW	7.0 kW	5.6 kW
Power Supply		220-240V AC/50 Hz				
Rated Current		9.2 Amps (10 Amp plug fitted)	13.5 Amps (15 Amp plug fitted)	9.2 Amps (10 Amp plug fitted)	13.5 Amps (15 Amp plug fitted)	9.2 Amps (10 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		725x725x1855mm	725x725x2055mm	725x725x2113mm	725x725x2155mm	725x725x2235mm

Note: Enviroflo GR Series Heat Pump is supplied with a 10 or 15 amp plug, or can be hard wired.

*Sound Pressure Level tested @1.5m. Sound Levels on installations can be higher due to noise reflections from nearby surfaces and structures.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice. Note: All images contained within this brochure are for illustrative purposes only, the colours and finishes of the products featured are as close to the respective product range as photographic lighting and printing processes allow.

How our Heat Pumps Work



Using advanced refrigeration technology, the Rinnai Enviroflo AR & GR Series electric heat pumps 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.

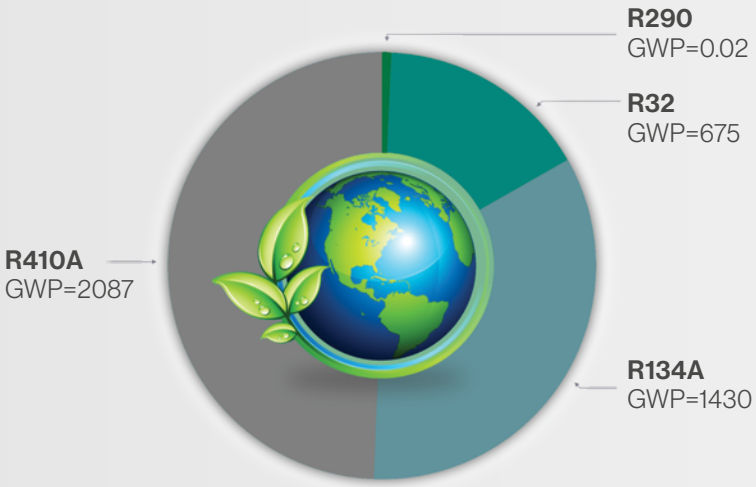
1. Compressor
The compressor is the central hub of the heating cycle which distributes the refrigerant between two heat exchange coils to facilitate efficient heat transfer.

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