

POWERBAY

UP TO **SAVE**
80%
More
ENERGY



Air Source Heat Pump

All-in-One Hot Water System

Power Bay Pty Ltd
Address: 90 Southlink Street
Parkinson QLD 4115
Email: sales@powerbay.com.au
Webiste: www.powerbay.com.au





PB-270RE AIR SOURCE HEAT PUMP

Energy Efficient Hot Water System

All about comfort and energy savings
Average family will save up to 80% on their hot water



HOW DOES IT WORK ?

-  Power Bay Heat Pump absorbs heat energy from the surrounding air.
-  The evaporator turns the liquid refrigerant into hot gas.
-  The hot gas inside the condenser coil heats the water inside the tank.
-  The liquid refrigerant reverts back to a liquid after heating the water and continues to the evaporator for the process to start again.



DID YOU KNOW?

- Hot water heating constitutes approximately 23% of your home's overall energy consumption, ranking as the second-largest contributor to your yearly electricity expenses. It consumes more energy than the majority of your other household appliances combined.
- Installing the suitable and efficient water heater based on your household size, water usage patterns, and local climate can lead to both cost savings and a reduction in greenhouse gas emissions, while still maintaining your current lifestyle.
- With no need for roof panels or extra components, the transition from electric hot water to a sustainable and long lasting air source hot water system for your home that is seamless and hassle-free.

Air source heat pump can be up to 4 times more energy efficient than a traditional electric hot water heater.





Save Up to 80%
on your hot water cost



FEATURES & BENEFITS

- AI technology means post installation, your heat pump will be operating at its optimal setting daily.
- LED screen and wifi app will allow you to monitor the AI performance.
- R290 efficient environment protection refrigerant, low GWP (Global Warming Potential).
- The integration of a noise reduction design leads to remarkably quiet operation at just 43dBA, quieter than your household fridge.
- 50mm foaming insulation ensures the heat pump operates reliably maintaining stability even in extremely cold weather as low as -7°C.
- Backup built-in 2kW electric heater gives high efficiency at any conditions.
- Tank temperature at 65°C to prevent the growth of bacteria and legionella, ensuring the delivery of hygienic and safe hot water.
- The advanced Enamel Coating and steel plate technology significantly mitigates the likelihood of corrosion and water leakage. This unique combination not only enhances the tank's durability but also extends its overall lifespan.

WARRANTY

- 8 Years Tank Cylinder Warranty
- 5 Years Compressor Warranty



The example figures are indicative estimates only and represent the average annual cost for Australian households that consume between 200-250L of water per day for 4-5 individuals.

Tank Volume	Number of People
270L	4 - 5 People

To be used as guide only



Technical Information

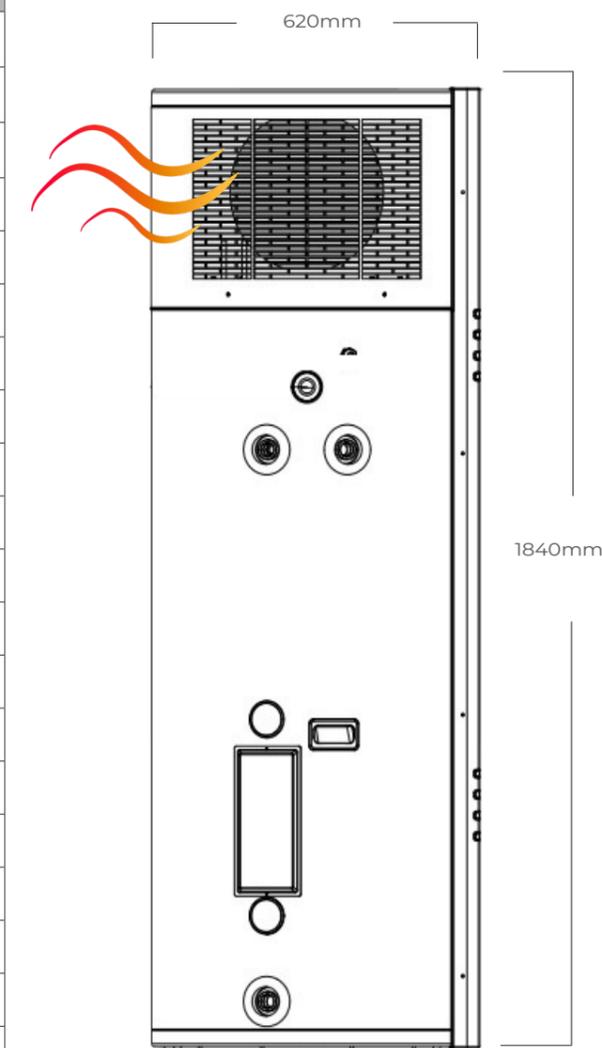
Model	PB-270RE
Heating Capacity	2.78kW
COP (Co-efficient of Performance)	4.15
Max Input Power	3000W
Max Input Current	14A
Power supply	220V~240V/50HZ
Heat Pump Rated Power	670W
Heat Pump Rated Current	3.1A
Electric Heater Rated Power	1800W
Electric Heater Rated Current	7.5A
Refrigerant	R290 - 400g
Compressor	GMCC
Unpacked Dimension	φ620mm*1840mm
Packed Dimension	700*700*1885mm
Net Weight	118KG
Gross Weight	136KG
Noise Level at 1 metre	43dBA
Water Tank Volume	270L
Working temperature range	-7°C-43°C

* Above results are based on the testing condition: at Air temp 20 °C
* Water Temperature from 15°C to 55 °C



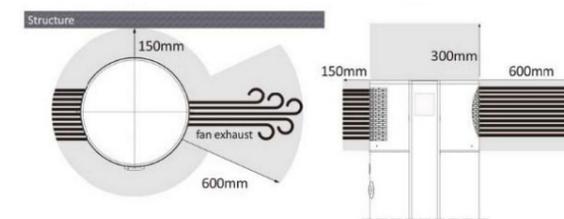
WaterMark Licence: WMK26872
StandardsMark Certificate: SMK41391
SAA Certificate No.: SAA-231203-EA
AS/NZS 60335.2.40:2019
AS/NZS 60335.2.21:2013 Inc A1-2
AS/NZS 60335.1:2020 Inc A1

Power Bay All-in-One Heat Pump



Top Profile

Side Profile



GOVERNMENT GRANTS

- Federal STCs
- State Grants
 - Victoria VEECs
 - New South Wales ESCs



Federal STCs (Small-Scale Technology Certificate)

Small-Scale Technology Certificates (**STCs**) provide Australian households financial incentive towards the installation. Power Bay PB-270RE Heat Pump is eligible for grants under the Small-Scale Renewable Energy Scheme by the Federal Government. The Grants are allocated based on the sustainability and efficiency of the hot water system.

PB-270RE STC Certificate Value for 2024

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
18	17	21	23	22

* Please visit: <https://www.rec-registry.gov.au/rec-registry/app/calculators/swh-stc-calculator> the online STC calculator to find out the STC Values and how much you can save by installing a



State Grants

Victoria VeeCs

Victorian residents can access extra rebates when upgrading outdated hot water systems to Heat Pumps. In addition to Federal STC grants, eligible installations qualify for Victorian Energy Efficiency Certificates (**VEECs**). Opting for a Power Bay Air Source Heat Pump becomes a clear and economical choice in light of these incentives.

* For more information about VEECs, please visit: <https://www.esc.vic.gov.au/victorian-energy-upgrades-program/about-victorian-energy-upgrades-program/victorian-energy-efficiency-certificates-veecs>



New South Wales ESCs

New South Wales residents can benefit from extra rebates when upgrading outdated hot water systems to Heat Pumps. Energy Savings Certificates (**ESCs**) are provided for qualifying installations in addition to Federal STC grants, making the transition to a Power Bay Heat Pump an evident and cost-effective decision.

* For more information about ESCs, please visit: <https://www.energysustainabilityschemes.nsw.gov.au/Home/About-ESS/Overview-of-the-ESS/Energy-Savings-Certificates>

