



Install
a Rheem®

COMMERCIAL CASE STUDY



Rheem Powers Luxury Retirement Living at The Brighton on Bay

The Brighton on Bay, owned by Lendlease Retirement Living, is a luxury retirement village in Victoria, Australia, housing 76 serviced apartments. With amenities including a library, cinema room, indoor heated pool, gym, and health support services, the facility required a reliable hot water system to ensure resident comfort. Rheem collaborated with Air Everywhere Victoria and One Plumb Plumbing West Footscray to replace an outdated gas-based system with a sustainable air-to-water heat pump solution, delivering consistent hot water while reducing energy costs.

THE CHALLENGE

The existing roof-mounted gas hot water system at The Brighton on Bay was inefficient and struggled to meet the demands of 76 apartments and communal facilities. Key challenges included:

- Providing consistent hot water for diverse needs, including ensuites, kitchens, and amenities like the pool and gym.
- Reducing high energy costs and environmental impact to align with sustainability goals.
- Ensuring minimal disruption during installation to maintain resident comfort and care.
- Complying with Australian regulations for retirement facilities.

THE SOLUTION

Rheem designed a tailored, energy-efficient hot water system, incorporating:

- **Two Rheem 16kW Air-to-Water Heat Pumps (95301600):** Delivered hot water at up to 65°C with a Coefficient of Performance (COP) of 4.0, ensuring high efficiency.
- **Four 410L Storage Tanks (61043050):** Provided ample hot water storage to meet peak demand.
- **Four Heavy Duty Electric Water Heaters (61331507, 3x 3.6kW):** Supported high-demand usage for communal areas.
- **Two CM3-2 Pumps (366084):** Ensured efficient water circulation.
- **Collaborative Installation:** Partnered with Air Everywhere Victoria and One Plumb Plumbing to integrate the system seamlessly, adhering to Australian Standards (AS/NZS 3500).

THE KIT

- Air to Water Heat Pump: 2x Rheem 16kw Heatpump 95301600, 2x CM3-2 pumps 366084
- Storage tanks: 4x VE 410 litre storage tanks 61043050
- Water heater: 4x heavy duty electric 315L, 3x 3.6kw Electric 61331507

THE IMPACT

The new system delivered significant benefits:

Reliability: Ensured consistent hot water supply for apartments and amenities, enhancing resident comfort.

Energy Efficiency: Achieved up to 75% savings on operating costs compared to electric water heaters, reducing energy bills.

Sustainability: Heat pumps with high COP minimised environmental impact, supporting the facility's green objectives.

Minimal Disruption: Installation was completed with little impact on daily operations, maintaining care standards.

Compliance: Met regulatory requirements for retirement facilities, ensuring safety and reliability.

This project demonstrated Rheem's expertise in delivering sustainable, high-performance hot water solutions, enhancing resident wellbeing and operational efficiency at The Brighton on Bay.

CONTACT THE RHEEM COMMERCIAL TEAM TODAY

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