OMNI X
TECHNOLOGIES



HEAT SMARTER. LIVE BETTER.

Built tough with Duplex 2205 Stainless Steel — tanks that outlast the rest.



Smarter Hot Water for Modern Australian Living

At **Omni X Technologies**, our mission is simple: deliver **reliable, efficient, and long-lasting hot water systems** that give families peace of mind.

Omni X has been created in response to a gap in the market for hot water systems that are both **durable and affordable**—without cutting corners on performance. Backed by Australia's largest hot water installer, our team brings decades of HVAC, plumbing, renewable energy, and sustainability expertise. Every Omni X product is built with at its core.

WHAT MAKES OMNI X DIFFERENT

- ☑ **Duplex 2205 stainless steel cylinders –** superior resistance to corrosion for unmatched tank life.
- ☑ **Zero anode replacements –** unlike conventional systems, ours don't require costly 3–5 yearly maintenance.
- ☑ **Large storage capacities –** Engineered to work seamlessly with rooftop solar PV
- ☑ **High-output Hitachi Highly 850W compressor –** fast recovery and dependable hot water supply.
- ☑ **Electrical connection –** 10AMP 3 pin plug as standard allowing easy installation or retrofitting from other technologies.

BUILT TOUGH WITH DUPLEX 2205 STAINLESS STEEL — TANKS THAT OUTLAST THE REST.

THE ENERGY EQUATION

Hot water is one of the biggest energy expenses in Australian homes, often accounting for **a significant share of the power bill**. For an average family, that can mean well over a thousand dollars annually.

Omni X heat pumps approach the challenge differently. Instead of generating heat from scratch, they **capture and transfer warmth from the surrounding air**. This method uses far less electricity than conventional systems, resulting in **70-80% reduction in energy**.

The benefits go beyond lower bills. By reducing dependence on gas and high-tariff electricity, households gain a degree of insulation from future energy price hikes—while also cutting their carbon emissions year after year.

HOW IT WORKS

1. Air is drawn into the system and passes over the evaporator.
2. Heat is absorbed by an eco-friendly R290 refrigerant.
3. The refrigerant compresses into gas, producing high temperatures.
4. That heat transfers to the water tank via advanced exchangers.
5. The refrigerant cools back into liquid and the cycle repeats.
6. Result: a full tank of hot water, typically at 60°C, ready for use.



SMARTER TECHNOLOGY, PRACTICAL BENEFITS



Heavy-duty tanks – engineered for long-term durability.



Weather-resistant casings – galvanised zinc construction, no weak plastics.



Precision components – high-efficiency compressors and exchangers.



10-year cylinder warranty – full coverage on tank, electronics, and refrigeration.



5-year warranty – on comprehensive parts and labour.



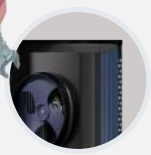
CONNECTED COMFORT



Easy digital controls – adjust output with simple one-touch settings.



Wi-Fi monitoring – check performance and make adjustments from your phone.



Solar-ready timers – align heating cycles with rooftop solar to maximise savings.



DESIGNED WITH INSTALLERS IN MIND

- Our roots in installation mean we've built systems that are **straightforward to fit, service, and replace.**
- Compact footprint for easy swaps with standard electric heaters.
- Quick-access panels simplify servicing.
- Plug-and-play power connections reduce setup time.
- Built-in diagnostics give technicians live performance data.
- 10AMP 3 pin plug as standard.

PARTNER WITH OMNI X

We supply exclusively through trusted plumbers, builders, and energy specialists who share our commitment to quality. Every partner is carefully selected to ensure you get the right system, installed the right way.

WHO WE SERVE

- Omni X is for homeowners who want:
- A **long-term investment**, not a short-term fix.
- Hot water that works **seamlessly with solar PV.**
- A system designed with **durability and efficiency** at its core.
- The confidence of **industry-leading warranties and support.**

OMNI X TECHNOLOGIES

From small units to large family homes, there's a system built for your lifestyle, your budget, and your future.



	180L Duplex Stainless Steel Heat Pump	250L Duplex Stainless Steel Heat Pump	340L Duplex Stainless Steel Heat Pump	420L Duplex Stainless Steel Heat Pump
Width	600mm	600mm	650mm	700mm
Height	1745mm	2073mm	2170mm	2230mm
Weight Empty	84kg	93kg	109kg	118kg
Tank volume	180	250	340	420
Insulation	Polyurethane | 50mm	Polyurethane | 50mm	Polyurethane | 50mm	Polyurethane | 50mm
PTRV rating	700kPa	700kPa	700kPa	700kPa
ECV rating	600kPa	600kPa	600kPa	600kPa
Refrigerant	R290/650g	R290/650g	R290/700g	R290/700g
Operating noise level	<50DB	<50DB	<50DB	<50DB
Temperature	60-62	60-62	60-62	60-62
Max amps	6	6	6	6
Compressor	Highly/Hitachi 850	Highly/Hitachi 850	Highly/Hitachi 850	Highly/Hitachi 850

INSTALLATION CONNECTION HEIGHTS (mm)

Cold Water Inlet	290	293	305	308
Hot Water Outlet	948	1277	1365	1455
Relief Valve	948	1277	1365	1455
Condensate	1055	1390	1490	1575

HOT WATER PRODUCTION RATE (Litres per hour) AND COP

Ambient Air Temperature	OMNIXHP-200-R290	OMNIXHP-250-R290	OMNIXHP-340-R290	OMNIXHP-420-R290
Summer Hot Water Production Rate — Litres per hour				
35°C	73 L/hr (5.94)	71 L/hr (5.86)	75 L/hr (6.66)	79 L/hr (6.67)
30°C	52 L/hr (4.29)	57 L/hr (4.8)	61 L/hr (5.47)	62 L/hr (5.32)
25°C	46 L/hr (3.89)	51 L/hr (4.31)	54 L/hr (4.88)	55 L/hr (4.74)
20°C	43 L/hr (3.64)	45 L/hr (3.91)	49 L/hr (4.39)	49 L/hr (4.29)
15°C	38 L/hr (3.26)	40 L/hr (3.5)	43 L/hr (3.89)	43 L/hr (3.81)
10°C	33 L/hr (2.91)	35 L/hr (3.14)	38 L/hr (3.5)	38 L/hr (3.38)
Winter Hot Water Production Rate — Litres per hour				
25°C	36 L/hr (4.44)	38 L/hr (4.87)	41 L/hr (5.54)	44 L/hr (5.41)
20°C	33 L/hr (4.13)	34 L/hr (4.41)	36 L/hr (4.98)	39 L/hr (4.88)
15°C	29 L/hr (3.7)	30 L/hr (3.94)	32 L/hr (4.42)	34 L/hr (4.32)
10°C	25 L/hr (3.29)	26 L/hr (3.52)	28 L/hr (3.91)	30 L/hr (3.82)
5°C	22 L/hr (2.97)	23 L/hr (3.16)	25 L/hr (3.47)	26 L/hr (3.41)
0°C	21 L/hr (2.82)	21 L/hr (2.92)	22 L/hr (3.16)	24 L/hr (3.14)
-5°C	19 L/hr (2.59)	19 L/hr (2.68)	20 L/hr (2.85)	22 L/hr (2.87)
-10°C	18 L/hr (2.52)	18 L/hr (2.54)	19 L/hr (2.66)	20 L/hr (2.73)
Shoulder Hot Water Production Rate — Litres per hour				
30°C	45 L/hr (4.58)	49 L/hr (5.1)	53 L/hr (5.83)	55 L/hr (5.69)
25°C	40 L/hr (4.16)	44 L/hr (4.58)	47 L/hr (5.2)	49 L/hr (5.07)
20°C	37 L/hr (3.87)	39 L/hr (4.15)	42 L/hr (4.68)	43 L/hr (4.58)
15°C	33 L/hr (3.47)	34 L/hr (3.71)	37 L/hr (4.15)	38 L/hr (4.06)
10°C	29 L/hr (3.1)	30 L/hr (3.32)	32 L/hr (3.67)	33 L/hr (3.59)
5°C	26 L/hr (2.8)	27 L/hr (3)	29 L/hr (3.27)	30 L/hr (3.22)
0°C	24 L/hr (2.68)	25 L/hr (2.79)	26 L/hr (2.99)	27 L/hr (2.99)

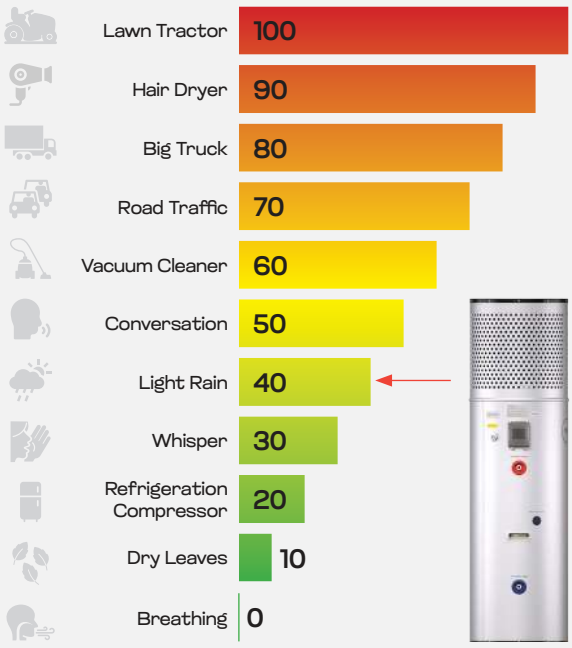
The DHW production rate was calculated using the equation:

DHW Production Rate (L/hr) = Pin COP 3600 / Cp / deltaT.

Where:

- Pin = heat pump electrical power input (kW) [derived from AS/NZS 5125.1 testing]
- COP = heat pump coefficient of performance (-) [derived from AS/NZS 5125.1 testing]
- 3600 = conversion from kW to kJ/hr
- Cp = specific heat capacity of water (kJ/kg.K)
- Summer performance DeltaT = temperature rise required to be achieved = 60 degC (load supply temperature) - 20 degC (nominal cold water supply temperature) = 45 degC
- Winter performance DeltaT = temperature rise required to be achieved = 60 degC (load supply temperature) - 10 degC (nominal cold water supply temperature) = 50 degC
- Shoulder performance DeltaT = temperature rise required to be achieved = 60 degC (load supply temperature) - 15 degC (nominal cold water supply temperature) = 40 degC
- Assume density of water 1000kg/m3
- Assume average temperature of the tank during heat up is at the midpoint between initial and final temperature

SOUND PRESSURE LEVELS
(dBA)



OUR VISION

To lead the hot water industry with innovative, sustainable, and reliable technologies that deliver lasting value to customers and set new standards for performance and trust.

OUR VALUES



CUSTOMER FOCUS – Every product is designed with the end user in mind, ensuring practicality, performance, and long-term satisfaction.



RELIABILITY – We stand behind our products with robust warranties and uncompromising quality.



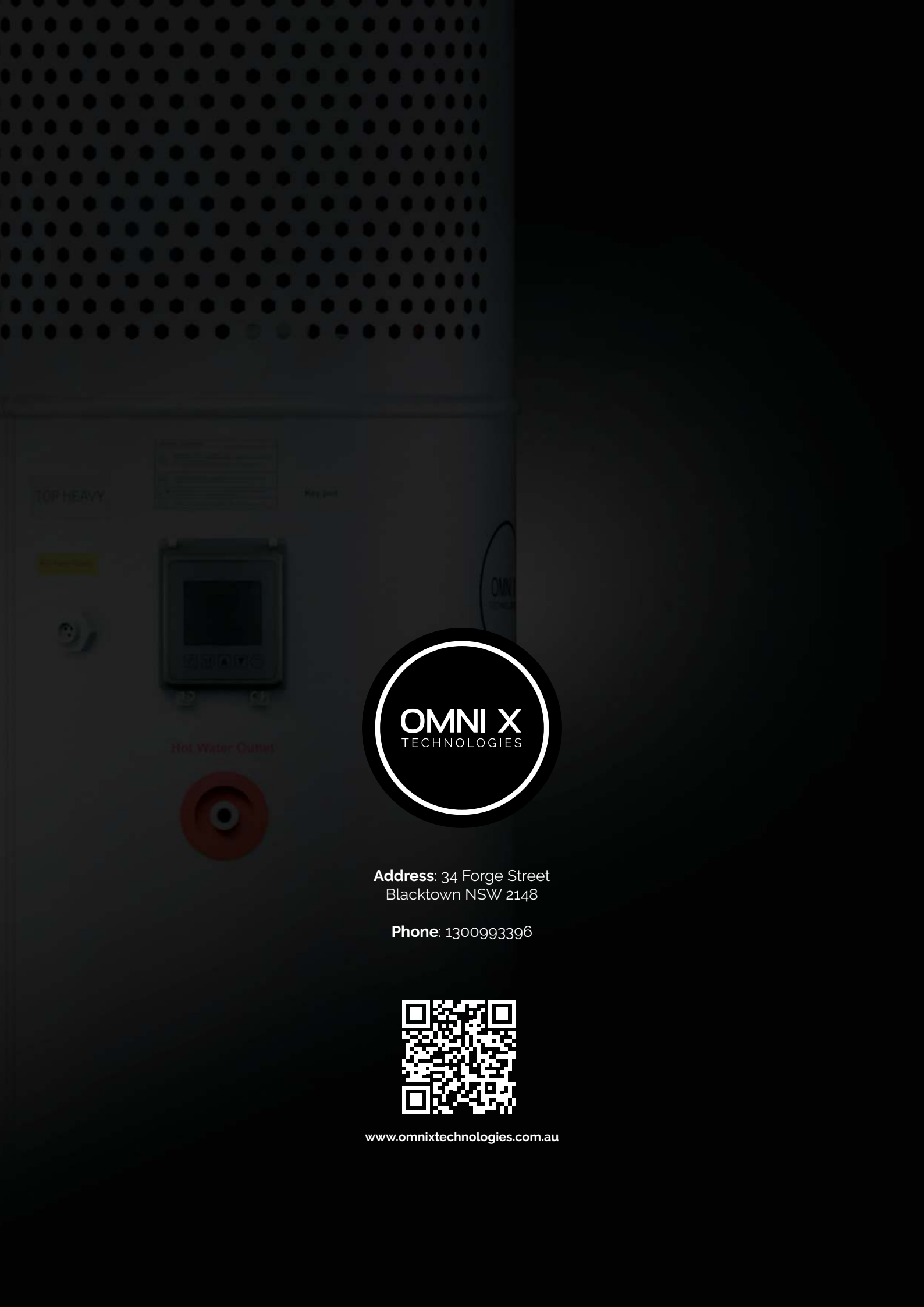
INNOVATION – By leveraging industry expertise and forward-thinking design, we create solutions that anticipate customer needs.



INTEGRITY – We are transparent, dependable, and committed to delivering on our promises.



SUSTAINABILITY – We strive to reduce environmental impact through efficient technologies and responsible practices.



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Address: 34 Forge Street
Blacktown NSW 2148

Phone: 1300993396

www.omnixtechnologies.com.au