



DYNA HEAT™ SPLIT SYSTEM HEAT PUMP

THIS BROCHURE
COVERS DYNAHEAT™
SPLIT SYSTEM MODELS:
ECO-155LE
ECO-155LS
ECO-260LE
ECO-260LS

DISTRIBUTED BY
SMART USER / SILICON LIGHTING
17/21 EUGENE TERRACE
RINGWOOD VIC 3134

(03) 8528 1831
INFO@SMARTUSER.COM.AU

TABLE OF CONTENT

Introduction **01**

About us **02**

About Our Service **02**

Our experienced team **02**

Local marketing process **02**

Infographic and demographic **03**

Design Process and sequence **02**

Light weight of the market **05**

Infographic and demographic **03**

Design Process and sequence **02**

ABOUT US

STRONG FOUNDATION, QUALITY PRODUCTS

At Eco Alliance, we have a strong foundation of knowledge and expertise. We regularly consult with experienced plumbers and electricians to ensure that our products are of high standard and are always looking for ways to make processes more efficient without impeding the quality of our products.

Since day one, we have sought after ways of making cost effective products to enable homes and businesses to become greener. No longer is it out of reach for so many who would choose to help the environment.

Eco alliance endeavours to keep sourcing new technologies to improve on the old and bring you the new at a cost point to make it viable.



MISSION & VISION

Our aim is to take the latest in research and development, combine it with proven technology and find a solution that is both cost effective and friendly to the environment.



We believe that plumbing doesn't have to be as expensive as it has previously been. You don't have to spend thousands of dollars to get a new hot water service. We want to revolutionise how plumbing is done. We are at the forefront of something new and it's an exciting time.

SPLIT SYSTEM

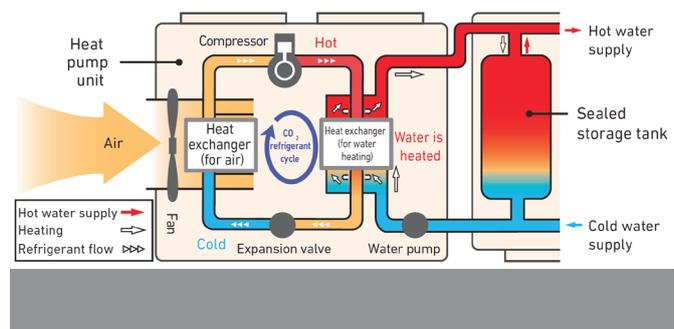


ADVANTAGES

- Compact and relatively small in size
- Family-friendly and safer than combustion-based systems.
- Ecological choice, as they produce energy by processing air.
- Generate more energy than the the electricity they consume to operate.

HOW DOES A HEAT PUMP WORK?

Dynaheat™ heat pump is an energy efficient electric heat pump that uses heat extracted from the air to heat water for industrial, commercial and residential applications. A hot water heat pump removes energy from a low temperature source (ambient air or waste water) and moves it to a high temperature hot water tank.

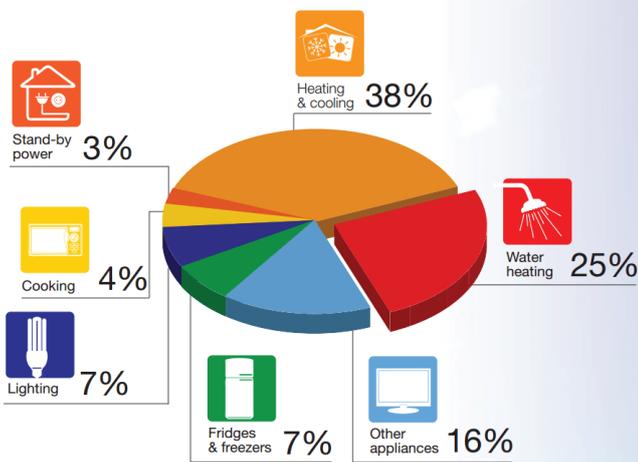


FACTS & STATISTICS

Water heating is the largest single source of greenhouse emissions from the average Australian home. This accounts for about a quarter of household energy use. Approximately half of all Australian households use electric resistance hot water heaters in their homes. These water heaters produce up to three times the amount of greenhouse gas.

The cost of this consumption to the consumer and to the environment can be avoided with a hassle-free conversion to a heat pump.

DynaHeat™ Heat Pump Water heaters can be up to 80% more efficient than electric water systems.

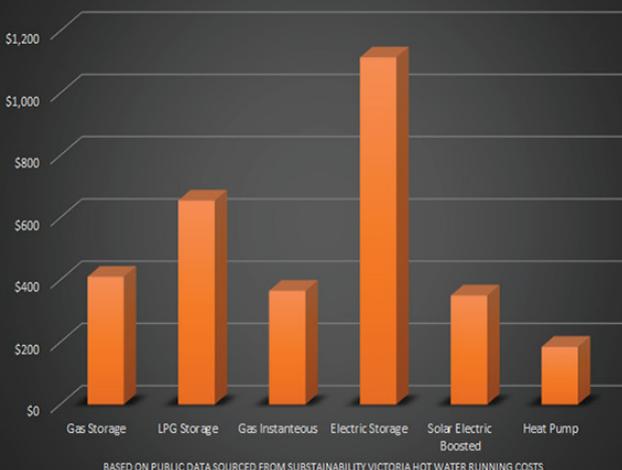


23% Hot Water

14% Other appliances

7% Lighting

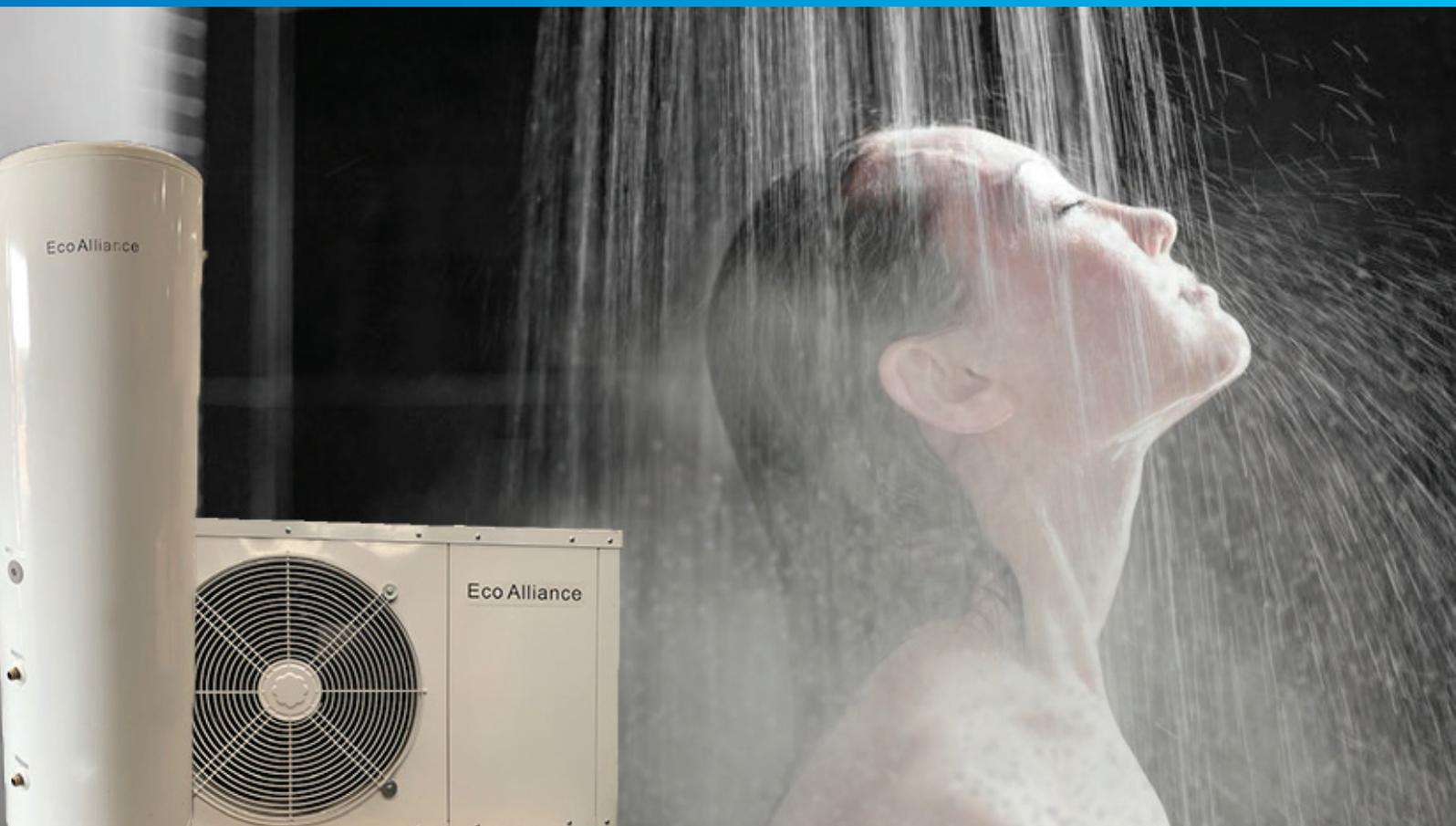
Annual Running Costs



Heat pumps have been found to be cheaper to run than Electric, Gas and Solar Electric Boosted Hot Water Systems. Offering you savings into the future.

UPGRADE YOUR HOT WATER FOR \$0*

Upgrade your existing Hot Water system without any out of pocket expenses, Nothing to pay upfront, Delivery, Installation and plumbing all included. Stop wasting money on older, outdated hot water systems. Start saving money on your power bills and help make this world a little better by reducing your CO₂ output.



DynaHeat™ uses CFC free refrigerant to absorb energy from the air, heating the water to a temperature adjustable between 30°C to 90°C. It consumes up to 80% less electrical energy than a conventional electric water heater, as the electrical power it consumes is only to operate the compressor and fan.

DynaHeat™ units use smart, renewable energy technology to extract energy from the surrounding air and utilize thermal energy to generate hot water. This means you can create savings out of thin air at minimal cost.



A Greener Future Energy Saving

We provide the latest in smart, renewable energy Extracted from the air. Technology, free from reliance on traditional gas and direct sunlight



Steaming Hot Water

Enjoy Steaming hot water all year round. Choosing a Dynheat™ powered unit means extracting power out of the air, creating savings for you every month.



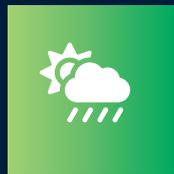
Stop Paying, Start Saving

With a heat pump you could be reducing your energy costs by up to 80%. Saving our environment and your wallet has never been so easy, Extracted out of thin air.



Quiet Operation

Low impact noise, our custom designed fan module allows for quiet operation and effective water heating.



Designed for Australia

With a wide operating Temperature range this Heat pump has an ambient Operating range from -7°C to +40°C.



Government Approved

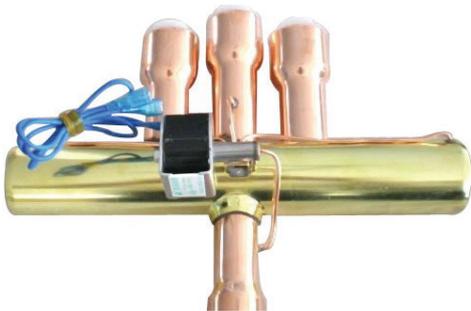
Our Heat Pumps are Fully approved under the VIC and NSW Energy Savings Programs , saving you thousands and delivering you saving for years to come.

THE DYNAHEAT™ DIFFERENCE

Designed for the harsh Australian environment, using the highest grade components and technology in accordance with Australian Standards.

Japanese compressor

The hermetic compressor is designed in Japan and is designed to offer a wider range of operation and performance all year round



Four Way Safety Valve Reverse Defrosting

Dynaheat™ utilises a four-way valve to deliver a more effective, cleaner method of defrosting, ensuring continual use throughout the winter months



PTR Valve for Heating & Pressure Protection

All units are fitted with a PTR valve. If the tank pressure reaches 1000kPa or the temperature reaches 99°C, the PTR valve will open automatically to allow the pressure or temperature to decrease safely



Connect & Go (Mains Water Ready)

Fast, hassle-free installation, No requirement for specialised refrigeration Engineer. Connect and Go. Eco Alliance provides free installation for eligible clients



Electronic Expansion Valve

The 4- way valve coupled with Japanese Technology provides a more effective and stable way to regulate refrigerant flow delivering effective frosting prevention

Japanese compressor

The hermetic compressor is designed in Japan and is designed to offer a wider range of operation and performance all year round



Food Grade Stainless Steel Coils

The heat exchanger utilises Food Grade Stainless Steel Built-in Coils. Delivering faster heat transfers, higher efficiency and a longer life span.

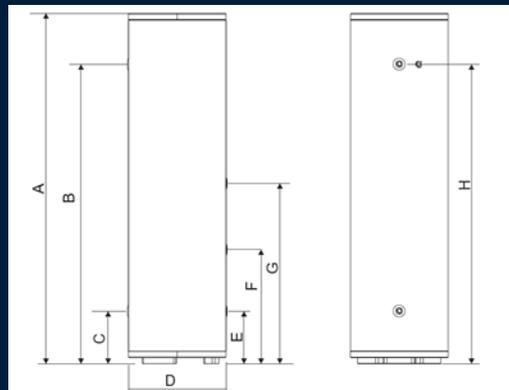


CFC Free (No Ozone Depletion)

The refrigerant used is R413a which isn't a CFC, so it doesn't negatively affect the earth's ozone layer. But has a low boiling point

HEAT PUMP SPECS

DIMENSIONS (H, W, D)	331 X 351 X 836
REFRIGERANT TYPE	R410A
MASS VOLUME	900G
RUNNING AMBIENT AIR TEMP	-7 °C /+40° C
SETTING OUTLET WATER TEMP	35~60° C (1° C STEP) X1
PRODUCT WEIGHT	30 KG
THERMAL CAPACITY	3.6KW X2
AVERAGE INPUT POWER	0.85KW X2
COP	4.23 X2
MAX POWER INPUT	1.25KW
CIRCUIT BREAKER SIZE	5.43
DESIGN PRESSURE (HIGH/LOW)	4.4/0.6MPA
IP PROTECTION	IPX4
RATED PRESSURE	500KPA
PTR VALVE	850KPA



WATER TANK SPECS

MODEL NO:	ECO-155LE	ECO-155LS	ECO-260LE	ECO-260LS
A HEIGHT	1700	1700	1760	1760
B HOT WATER	1455	1455	1430	1430
C COLD WATER INLET	255	255	230	230
D DIAMETER	Φ470	Φ470	Φ560	Φ560
E HEAT PUMP FLOW	255	255	230	230
F HEAT PUMP RECTUM	555	555	530	530
G SENSOR PORT	800	800	800	800
H PTR VALVE	1455	1455	1430	1430

OTHER SERVICES WE OFFER



LED Upgrades

We offer free LED upgrades to commercial and residential premises. We include down-lights, spot lights and a whole range of industry solutions. We offer the latest innovations in lighting technology to ensure the perfect lighting for every workplace and home.



Thanks to eco alliance, I was able to upgrade my my hot water system and lights in my home and warehouse upgraded without any upfront or out of pocket expenses. Thanks again



Smart User

SILICON
LED LIGHTING

Address:

17/21 Eugene terrace
Ringwood VIC 3134

Phone:

(03) 8528 1831

Email:

info@smartuser.com.au