

Rain, hail, shine and night...
Solar hot water 24 hours a day!



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ODYSSEO 2

Heat pumps extract solar energy from the air 24 hours a day.

No matter what mother nature dishes out, Atlantic's Indoor Odysseo 2 Heat Pump Hot Water System guarantees to provide energy efficient hot water 24 hours a day.

DISCOVER THE ADVANTAGES OF ATLANTIC'S ODYSSEO 2, HEAT PUMP HOT WATER SYSTEM:

- ✓ **Low running cost**
- ✓ **Energy saving**
- ✓ **Reduced installation costs compared to solar**
- ✓ **Low maintenance cost compared to solar**

Atlantic is one of the largest manufacturers of hot water systems in Europe and is a leader in heat pump and roof top solar technologies.

In many instances, heat pumps are a superior choice to a rooftop solar system due to lower capital and installation costs, higher efficiencies and less maintenance.

Odysseo 2 is virtually a plug and play unit so it can replace older units quickly and easily. The system can be installed in virtually any location, operates quietly and efficiently 24 hours a day- rain, hail or shine!



SAVES TIME, MONEY & YOUR PLUMBER'S BACK!



The Odysseos' unique design weighs only 90Kg. Its clever engineering allows it to be transported horizontally or vertically, making it easier to lift and faster to install.

Government Incentive Schemes Available.

For more information, ask you local Atlantic agent or visit www.cleanenergyregulator.gov.au

Monthly Power Bill	Standard Electric Hot Water	Heat Pump Hot Water	Estimated Yearly Savings
\$100	\$40	\$10	\$360
\$200	\$80	\$21	\$708
\$300	\$120	\$30	\$1080
\$400	\$160	\$42	\$1416

Source: Heat Pump Efficiency 380% to European Standard EN 255-3 Tariff 22 cents per kW/h 24-hour continuous tariff Ambient air temperature 20°C and operating without ducts Water temp from 15°C to 51°C Calculated 40% of power bill (EECA study energy usage)

THE BENEFITS OF INDOOR INSTALLATION

Odysseo 2 is designed for indoor installation because of its industry leading quiet operation and its unique ducting options. Locations include the garage, laundry or cupboard. The ducts enable the unit to harvest residual or waste heat from these locations producing even greater efficiencies and lower running costs.

Other benefits of indoor installation include protection from the weather thereby increasing the life of components. There is easy access to controls when turning on boost or checking hours of operation recorded by the unit.

Further, indoor units have lower heat losses compared to outdoor units. Indoor units can also be installed close to 'point of use' thus saving water and energy.

TAKE FULL ADVANTAGE OF CHEAPER NIGHT TIME TARIFF

Indoor units overcome Council by-laws restricting the operation of heat pumps at night. Since Odysseo 2 is installed indoors it can operate at night taking full advantage of cheaper night tariffs thereby saving you even more money!



QUIET, CLEAN & EFFICIENT. ATLANTIC 'S ODYSSEO 2



QUIET OPERATION AT 37dB

The calculation of the dB level is exponential, which means that a sound with a 10dB increase is twice as loud. By comparison, a whisper is 20dB, a quiet library is 30db, a typical refrigerator is 40dB and a regular conversation is 50dB.

LOW ELECTRICITY CONSUMPTION

The compressor only draws 425 watts in normal working conditions. In cold weather where the maximum output is required the draw is 750 watts. A standard electric element tank can use up to 3,000 watts.

ANTI-CORROSION SYSTEM

EXCLUSIVE to ATLANTIC: The Odysseo is equipped with the patented Atlantic Anti Corrosion Integral (ACI) technology. This advanced technology provides maximum tank protection from corrosion and is virtually maintenance free. Plus, the electric boost element is especially adapted to all types of water.

CERAMIC BACK UP HEATING ELEMENT

The standard heating element operates at around 9 watts per square centimetre.

The Atlantic 1800-watt element has a larger surface area, a ceramic structure and is rated at 4 watts per square centimetre. This means scale build up is virtually eliminated in highly mineralized waters thus maintaining efficiency.

Importantly, the element is mounted inside a sleeve, so the element can be replaced without emptying the tank.

LEGIONELLA PROTECTION & ENERGY EFFICIENCY

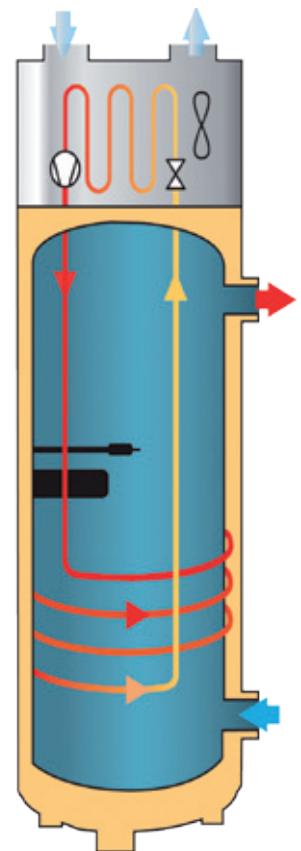
Most hot water systems are set at 60°C to prevent Legionella. A mixing valve is then used to lower the water temperature for safety reasons. To save considerable energy, yet provide maximum protection, the Atlantic unit keeps the water temperature at 55°C then cycles once a week to 60°C.

THREE OPERATING OPTIONS

The unit can be operated on ECO heat pump only, Auto heat pump priority with backup element or Boost heat pump and element.



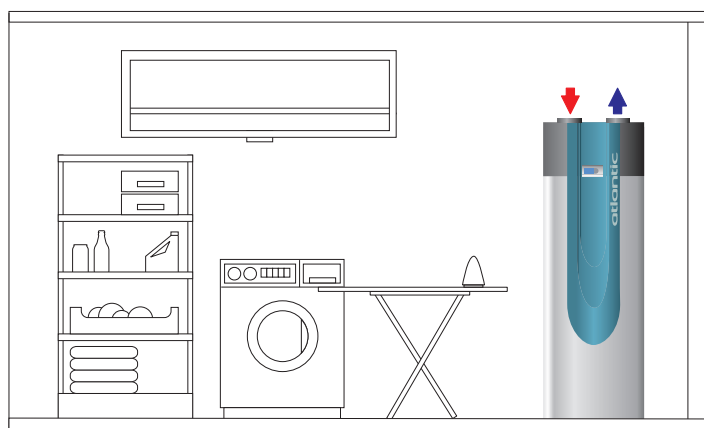
**ODYSSEO CAN ACHIEVE
ELECTRICITY SAVINGS
OF UP TO 75%**



THE BENEFITS OF INDOOR INSTALLATION

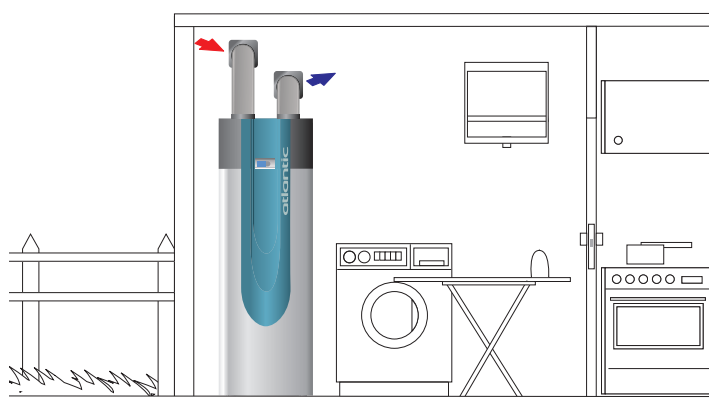
Odysseo 2 is the only heat pump hot water system specifically designed for indoor installation because of its quiet operation and its unique ducting options. Locations include the garage, laundry or cupboard. The ducts enable the unit to harvest residual or waste heat from these locations producing even greater efficiencies and lower running costs.

Other benefits of indoor installation include protection from the weather thereby increasing the life of components. There is easy access to controls when turning on boost or checking hours of operation recorded by the unit.



1st CONFIGURATION ROOM VOLUME GREATER THAN 20 M³

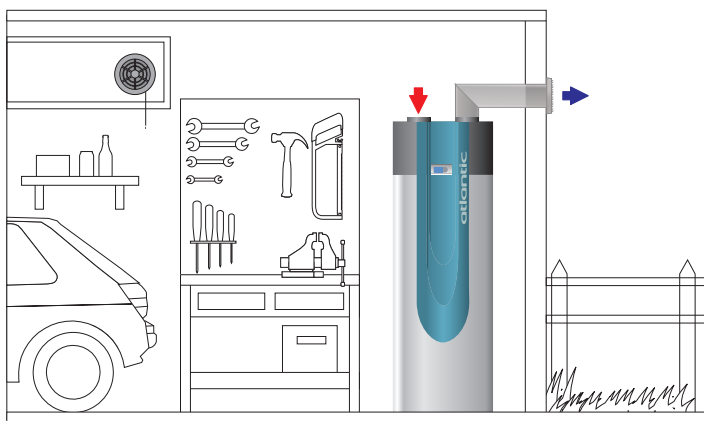
The Odysseo 2 can be installed, without ducting, in an unheated room, such as a laundry or garage at a temperature above 5°C and having a volume greater than 20m³. Perfect for harvesting waste heat from a washing machine or dryer.



2nd CONFIGURATION ROOM VOLUME LESS THAN 20 M³

The Odysseo 2 can be installed with ducting in a heated or unheated room, or cupboard, at a temperature above 1°C and having a volume less than 20m³.

Note: Optional ducting can be installed up to 8 metres.

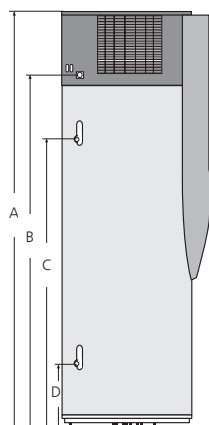


3rd CONFIGURATION ROOM VOLUME GREATER THAN 20 M³

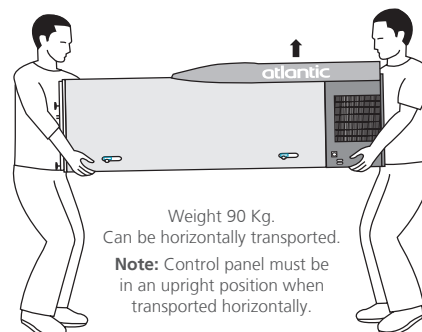
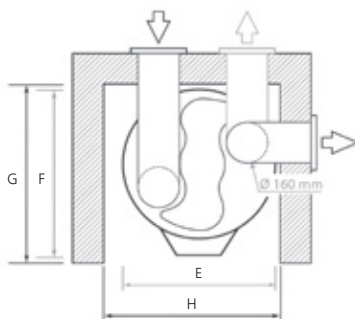
The Odysseo 2 can be installed with one duct (ie cool air out) in an unheated space such as a garage, at a temperature above 5°C and having a volume greater than 20m³.

Note: Optional ducting can be installed up to 8 metres.

SUMMARY SPECIFICATIONS



The Odyssey 2 has the same footprint as a standard electric storage heater. Since it can be installed indoors, it is the ideal replacement for when a standard unit fails.



Unit Dimensions (Refers to diagram above)	A - 1897 mm B - 1591 mm C - 1300 mm D - 300 mm		E - 591 mm F - 674 mm G - 800 mm H - 800 mm
Capacity	270 Litres		
Voltage	240 V		
Coefficient of Performance (COP)*	3.8		
Dimensions (mm)	H 1897 x D 674 x W 591		
Weight	90 Kg		
Sound Level	37 dB(A)**		
Product Code	232605		
Operating Range	Operating temperature range is from -5° C to 35°C		
Ducting	There is one inlet and one outlet connection of 160mm diameter at the top of the unit for harvesting waste heat or ducting to the outside. Ducting further reduces sound levels.		
System Components	• Electrical element 1,800 watt • Rotary compressor • Compressor outside of the tank • Evacuation tube for condensation • Steel glass lined tank		
Installation	Ducting kit 160mm Sound hood		
Warranty	Tank – 5 years. (6 year warranty when installed by accredited Atlantic plumber) Heat Pump & Electrics – 2 year. (3 year warranty when installed by accredited Atlantic plumber)		
Contacts	Australia T 61 (03) 9852 9599 E sales@atlantics.com.au W www.atlantics.com.au New Zealand T 0800 422 000 E sales@atlantics.co.nz W www.atlantics.co.nz		

*COP figure conforms to EN 255-3 for heating temperature between 15°C and 51°C. The ambient air is 20°C with relative humidity of 70%. Conforms to Australian Standard AS/NZS 2712:2007 ** 37 dB measured at 2 metres.



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