

AIR-TO-WATER HEAT PUMPS

Renewable hydronic heating technology.



Air-to-Water Heat Pump Technology

Air-to-water (hydronic) heat pumps are electrical appliances that convert large amounts of low temperature heat in the air to small amounts of high temperature heat to heat up the water circulating through the central heating system. DeLonghi air-to-water heat pumps can be used for underfloor heating, radiators (high temperature models only), swimming pool heating, cooling (with fan coil units) and domestic hot water.

Careful consideration needs to be taken on where to site the units. Central Heating New Zealand recommends mitigating noise issues with shrubbery or screening.

The DeLonghi Difference

Unlike many other air-to-water heat pumps that are optimised for cooling in hot climates, DeLonghi air-to-water heat pumps are specifically designed for heating in cold climates. The heat pump's fan, pump and compressor can adjust their output to suit the conditions, which allows them to maintain high efficiency in extreme cold.

- Low running costs; low maintenance
- Designed to heat efficiently in a cold environment (down to -15°C)
- Ideal for underfloor central heating systems, but also suitable for radiators
- Reversible models available for heating and cooling



Three different air-to-water heat pumps: the powerful, high-spec AWR-MTD2 XE 0091 (left); the reliable standard, BRAN MH 0041 (centre); and the compact, high-spec i-KI 0031 1P (right)



Available Models

DeLonghi BRAN MH Heat Pumps are the standard specification and are ideal for underfloor heating throughout most of New Zealand. They are the most cost-effective heat pump in terms of capital.

PRODUCT CODE	STYLE	OUTPUT	DIMENSIONS
HPBRAN41H	DL HP Air-Water BRAN MH 0041 1P	13.8kW	900x1240x370

Additional sizes are available via indent.
Contact us for further details.

For the coldest parts of the country and for those interested in a radiator system instead of underfloor, Central Heating New Zealand offers the higher specification DeLonghi AWR-MTD2, AWR-HT and i-KI Heat Pumps. Both the AWR and the i-KI can be used for both heating and cooling with fan coils.

PRODUCT CODE	STYLE	OUTPUT	DIMENSIONS
HPIKI31	DL HP Air-Water i-KI 0031 1P	9.3kW	850x881x357
HPIKI61	DL HP Air-Water i-KI 0061 1P	15.7kW	1000x1418x356
HPAWR61TMTD	DL HP Air-Water AWR-MTD2 XE 0061 3P	18.3kW	1550x1200x450
HPAWR91TMTD	DL HP Air-Water AWR-MTD2 XE 0091 3P	25kW	1550x1700x450
HPAW41MHT	DL HP Air-Water AW-HT 0041M 1P	14kW	900x1240x420

Additional sizes are available via indent.
Contact us for further details.

Specification Details

OPTIONAL FEATURES ACCORDING TO MODEL:

- Fully floating pump and fan technology for greater efficiency
- Domestic hot water heating and control from the heat pump
- Boost electric elements to meet peak loads
- Trace heat elements for faster defrosting
- Soft starters for single phase models

Central Heating New Zealand's team of design engineers will work with you to determine the best air-to-water heat pump to meet your location and heating needs.

