

ELECR
ENGINEERING LTD

SWIMMING POOL
HEAT PUMPS

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Distributed By



Elecro Engineering

The specialist in pool water heating

- Heat Pumps designed for silent, ultra efficient operation and ultimate reliability.

Elecro Heat pumps are one of the most efficient and reliable swimming pool heat pumps available.

Built to the highest possible standards, Elecro Heat Pumps unlike all other heating appliances, do not generate heat - they simply extract heat from the air utilising refrigeration technology, amplify it, and transfer it to the pool water - making the heating process clean, efficient, ecological and most of all, cost effective.

All Elecro Heat Pumps feature state of the art technology and are built using the highest quality components to ensure ultimate performance and reliability.

How Elecro Heat Pumps Works

Elecro heat pumps are the super efficient way to heat your swimming pool. Requiring a minimal amount of input energy to operate a compressor and a fan, Elecro heat pumps can produce up to 6 times more heat energy than the electrical power they consume. This means that for every 1kW of electricity consumed, the heat pump can deliver up to 6kW of heat output into the pool water, making it environmentally friendly and highly efficient.

The fan operates, drawing ambient air over the evaporator coil, which acts as the 'heat collector'. The refrigerant gas inside the evaporator coil absorbs the heat from the air that is passing over it. The now warmed refrigerant is compressed, which amplifies the heat. This heat is then transferred to the heat exchanger, where the heat is absorbed by the pool water flowing over it.

Elecro Key Features:

- **Copeland Scroll Compressor** – Super efficient, heavy duty, silent running.
- **Titanium Heat Exchanger** – Zero corrosion defect for total protection against aggressive pool chemicals. Full flow (no bypass required).
- **Whisper Quiet Low Speed Fan** – Just 825 RPM! ensures much lower noise levels than competitor models.
- **R407c environmentally friendly** refrigerant.
- **Largest Evaporator** – Enables Higher performance. Epoxy coated for protection against corrosion.
- **Digital Controls** – State-of-the-art, easy to use control with full diagnostic display.
- **Corrosion Proof Cabinet** – UV stabilised, high-impact plastic cabinet is impervious to deterioration. Rust proof fade proof and crack resistant.

Model	40K BTU	49K BTU	65K BTU	100KBTU
Power Output (kW)	12-kW	14-kW	19-kW	29-kW
Power Consumption (kW)	2.0	2.7	3.4	5.2
COP (Coefficient of Performance)	5.9	5.3	5.6	5.6
Power Supply Voltage-Phase-Hz	220/240-1-50	220/240-1-50 or 380/400-3-50	220/240-1-50 or 380/400-3-50	220/240-1-50 or 380/400-3-50
Running Amperage	12	13/5	18/6	24/13
Circuit Breaker	20	30/15	30/15	40/20
Pipe Work Connections	1.5"/2"	1.5"/2"	1.5"/2"	1.5"/2"
Dimensions (cm)	82x82x87	82x82x87	82x82x87	82x82x102
Noise Levels dBA (3m)	48-52	48-52	48-52	48-52

**3 YEAR
Parts and
Labour
Guarantee**



Why Elecro?

Elecro Engineering are a leading specialist in the field of pool water heating, with heating systems supplied extensively throughout the UK, Europe and the world. Renowned for quality products, advice and support, Elecro are on hand to help. Most models are available from stock for fast delivery.

Peace of Mind:

Made using the highest quality components. The most rigorous heat pump testing process: Every component 100% checked. Computerised testing at every stage of the production line; each heat pump comes complete with its own 'Birth Certificate' detailing the model particulars and the results of each production stage test.

Heat Boost Options:

For extra fast initial heat up times add an Elecro direct electric heater available in a range of outputs from 3-18kW.

Heat/ Cool Option

Reverse cycle operation allows the heat pump to cool your pool during warmer periods - constantly maintaining your ideal temperature. It will also allow your heat pump to work in temperatures as low as -5°C, to extend your heating season even further.

