# Product Introduction (Brief)

The Evo Fusion-i heat pump is the ideal choice for recreational pool & spa owners looking to extend their swim season with minimal running costs.

# Product Introduction (Extensive)

The Evo Fusion-i heat pump is the ideal choice for recreational pool & spa owners looking to extend their swim season with minimal running costs. Designed with the latest technology including stepless full DC inverter compressors, fans, and control systems – the Evo Fusion-i is the energy efficient and environmentally friendly way to enjoy a longer swim season. With more features as standard, like the intelligent touch screen controller and built in timers, the Evo Fusion-i is the smarter alternative for those considering gas, solar thermal or electric element heating.

# Product Features (Brief)

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| --- | --- |
| * Extremely energy efficient, C.O.P. up to 12.57 * Latest full stepless inverter technology * Available in 5 models, 7kW to 19kW * Heating and cooling capability * Easy to use LCD touchscreen controller * Built-in timers * Quiet operation * Robust ABS cabinet | * Eco-friendly and safe R32 refrigerant * Automatic defrost system * Horizontal front discharge air flow * Simple installation * Sleek design * Small footprint, ideal for tight installations * Guaranteed stable performance from -7°C air * Ideal to use with solar PV panels |

# Product Features (Extensive)

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| --- | --- |
| **EXCEPTIONAL PERFORMANCE & LOW OPERATING COSTS**  Evo Fusion-i series delivers pool heating with exceptional performance, low operating costs & a C.O.P. as high as 12.57 + . Combine your Evo Fusion-i pool heat pump with a pool blanket &/or your solar PV for the ultimate energy efficient pool heating!  **LATEST STEPLESS DC FULL INVERTER TECHNOLOGY**  Incorporating the latest full inverter technology - including DC stepless compressors, fans, and PC boards; the Fusion-i range will automatically adjust it’s power and electricity consumption based on the exact requirements of your pool. This ensures your pool reaches the desired temperature faster, and is maintained more efficiently – SAVING YOU ON YOUR HOUSEHOLD ENERGY BILL.  **TOUCHSCREEN CONTROLLER**  Designed with an intelligent LCD touch screen controller, you can easily increase or decrease water temperatures and switch between heating and cooling modes.  **HEATING & COOLING MODES**  The Fusion-i series is equipped to automatically heat or cool your pool water based on your set temperature - so you can be sure your pool is always at your desired temperature! | **VERY QUIET OPERATION**  Low noise fan blades ensures minimal operating noise which is ideal for you and your neighbours!  **AUTOMATIC DEFROST**  Designed with a four-way valve reverse defrost method, the Evo Fusion-i series provides automatic defrosting and allows the heat pump to work efficiently in ambient air temperatures as low as -7°C.  **LATEST CORROSION PROTECTION TECHNOLOGY**  The bluetech hydrophilic coating on the condenser fins is the latest technology in corrosion protection allowing your heat pump to maintain its high efficiency for many years to come.  **TITANIUM HEAT EXCHANGER**  The titanium thread heat exchanger ensures maximum heat transfer with the ultimate corrosion resistance, improving the heat transfer efficiency by up to 30% compared to standard heat exchangers.  **ELECTRONIC EXPANSION VALVE 2 TECHNOLOGY**  Electronic Expansion Valve 2 Technology is the absolute latest and the best possible refrigeration control system available in the market today. This results in higher C.O.P. and improved efficiency of up to 20% compared to other commercial heater brands. |

# Data Table (Brief)

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| --- | --- | --- | --- | --- | --- | --- |
|  |  | Fusion-i 7 | Fusion-i 9 | Fusion-i 12 | Fusion-i 16 | Fusion-i 19 |
| Heating Capacity | kW | 7.24 | 9.00 | 11.66 | 16.00 | 18.7 |
| C.O.P | / | 12.13-5.66 | 12.39-5.84 | 12.57-5.84 | 10.83-5.50 | 10.94-5.12 |
| Noise at 1M | dB(A) | 38-50 | 39-51 | 42-53 | 43-54 | 43-55 |
| Noise in silence mode at 1M | dB(A) | 39 | 41 | 43 | 44 | 44 |
| Refrigerant gas | / | R32 | R32 | R32 | R32 | R32 |
| Net Dimensions | mm | 1004/418/605 | 1004/418/605 | 1004/418/605 | 1046/453/765 | 1161/490/862 |
| Net Weight | kg | 42 | 45 | 46 | 66 | 70 |

# Data Table (Extensive)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Fusion-i 7 | Fusion-i 9 | Fusion-i 12 | Fusion-i 16 | Fusion-i 19 |
| Heating capacity | kW | 7.24 | 9.00 | 11.66 | 16.00 | 18.7 |
| Consumed power | kW | 0.16-1.34 | 0.20-1.64 | 0.18-2.02 | 0.30-2.91 | 0.32-3.65 |
| C.O.P. | / | 12.13-5.66 | 12.39-5.84 | 12.57-5.84 | 10.83-5.50 | 10.94-5.12 |
| Power supply | / | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 |
| Max current per phase | AMPS | 6.4 | 8.4 | 10.9 | 16.6 | 17.5 |
| Connection type | / | 10 amp | 10 amp | 15 amp | hard wired | hard wired |
| Fan quantity | / | 1 | 1 | 1 | 1 | 1 |
| Fan speed | RPM | 400-700 | 400-800 | 400-800 | 400-750 | 400-750 |
| Noise dB(A) at 1M | dB(A) | 38-50 | 39-51 | 42-53 | 43-54 | 43-55 |
| Noise dB(A) in silence mode at 1M | dB(A) | 39 | 41 | 43 | 44 | 44 |
| Refrigerant gas | / | R32 | R32 | R32 | R32 | R32 |
| PVC water connection | mm | 40 | 40 | 40 | 40 | 40 |
| Water flow volume | L/M | 40 | 50 | 60 | 90 | 100 |
| Water pressure drop | kPa | 2 | 3 | 4 | 5 | 5 |
| Net dimensions L/W/H | mm | 1004/418/605 | 1004/418/605 | 1004/418/605 | 1046/453/765 | 1161/490/862 |
| Net weight | kg | 42 | 45 | 46 | 66 | 70 |

\*Heating: 27°C air / water 26°C / humid 80% \* The data above is based on the EVO heat pump only, it does not include auxiliary devices. Product specification information provided above is   
correct at the date of printing, this data may change without notice. Please speak with an EvoHeat Specialist for the most current product specifications

# Warranty

For further peace of mind EvoHeat offer an industry leading warranty of 25 years on the Fusion-i titanium heat exchanger, 3 years on compressors, 2 years on all parts and 1 year on site labour. EvoHeat have a comprehensive network of specialist service agents nationally to ensure maximum equipment uptime. Spare parts are kept in stock in the extremely unlikely event that they are required.

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| --- | --- | --- | --- | --- |
| SERIES | TITANIUM HEAT EXCHANGER | COMPRESSORS | PARTS | ON-SITE LABOUR |
| Evo Fusion-i Series | 25 years | 3 years | 2 years | 1 year |