# Product Introduction (Brief)

The Evo Force-i series heat pump is our high performance pool and spa inverter heat pump that provides year round pool heating with the lowest running costs.

# Product Introduction (Extensive)

Designed with the latest stepless full DC inverter compressors, fans, and control systems – all working in perfect harmony to provide optimized heating and cooling with the lowest operating costs. With higher performances, lower noise levels, and more features as standard; the Evo Force-i is the most energy efficient & environmentally friendly year round pool heater available.

# Product Features (Brief)

|  |  |
| --- | --- |
| * Extremely energy efficient, C.O.P. up to 16.28
* Latest full stepless inverter technology
* Heating and cooling capability
* Built-in timers
* intelligent colour LCD touchscreen controller
* Wi-Fi control
* Quiet operation
 | * Robust ABS cabinet
* Eco-friendly and safe R32 refrigerant
* Automatic defrost system
* Horizontal front discharge air flow
* Simple installation
* Guaranteed stable performance from -15°C air
* Ideal to work with solar PV panels
 |

# Product Features (Extensive)

|  |  |
| --- | --- |
| **Year Round Swimming With The Lowest Running Costs** | The Evo Force-i is the most reliable and energy efficient way to heat your pool year round!For every 1kW of electricity used, the Evo Force-i produces up to 16kW of heating. |
| **Powerful Performance with the Lowest Operating Costs** | Evo Force-i series delivers pool heating with exceptional performance, low operating costs & a C.O.P. as high as 16.28 + .Combine your Evo Force-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** | Designed with 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. |
| **Heating, Cooling & Automatic Modes** | The Force-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 |
| **Cutting Edge LCD Touch Screen Controller** | Designed with a cutting edge, intelligent LCD colour touch screen controller, you can maintain your water temperature to within 0.1 degree while maximising optimum heater operating performance. |
| **Wi-Fi Control** | Control your Evo Force-i pool heat pump anytime, anywhere with the smart Wi-Fi controller app. Available for iOS and Android, the smart phone controller app offers you an easy and convenient way to monitor and control your pool temperature. |
| **Intelligent Built In Timers** | Take control of your pool heating with our intelligent built in timers. Govern when and how long your Evo heat pump operates to make the most of off-peak energy tariffs or your own created energy via solar PV. |
| **Quiet Operation** | The Evo Force-i is designed with low noise fan blades to ensure minimal operating noise – which is ideal for you and your neighbours! |
| **Best In The Industry** | Nothing out there tops our pool heating range & here’s why…Evo heat pumps are tough and durable, built for harsh conditions and utilise cutting edge components sourced from leads brand manufactures in Japan, Switzerland, Italy and Germany.With HVAC components from the world’s premier suppliers you can be certain Evo heat pumps are built to perform and keep on performing! |
| **Industry Leading Warranty** | For further peace of mind – the Evo Fusion-i is backed with an industry leading warranty. |

# Data Table (Brief)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Force-i 9 | Force-i 12 | Force-i 17 | Force-i 19 | Force-i 24 | Force-i 28-3 |
| Heating Capacity | kW | 9 | 12 | 17 | 19.5 | 24.2 | 28.3 |
| C.O.P | / | 16.13~6.76 | 16.28~6.79 | 15.71~6.76 | 16.16~6.19 | 16.11~6.05 | 16.13~6.10 |
| Noise at 1M | dB(A) | 40-50 | 42-52 | 44-53 | 46-56 | 46-57 | 48-58 |
| Noise in silence mode at 1M | dB(A) | 40 | 42 | 44 | 45 | 46 | 48 |
| Refrigerant gas | / | R32 | R32 | R32 | R32 | R32 | R32 |
| Net Dimensions | mm | 1046/453/768 | 1046/453/768 | 1161/490/862 | 1161/490/862 | 1161/490/1274 | 1161/490/1274 |
| Net Weight | kg | 52 | 58 | 69 | 90 | 111 | 120 |

# Data Table (Extensive)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Force-i 9 | Force-i 12 | Force-i 17 | Force-i 19 | Force-i 24 | Force-i 28-3 |
| Heating capacity | kW | 9 | 12 | 17 | 19.5 | 24.2 | 28.3 |
| Consumed power | kW | 0.33~1.33 | 0.18~1.77 | 0.24~2.52 | 0.28~3.15 | 0.35~4.00 | 0.42~4.64 |
| C.O.P. | / | 16.13~6.76 | 16.28~6.79 | 15.71~6.76 | 16.16~6.19 | 16.11~6.05 | 16.13~6.10 |
| Power supply | / | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 380-415/3/50 |
| Max current per phase | AMPS | 9.3 | 12.1 | 14.7 | 18.7 | 24.1 | 11.7 per phase |
| Connection type | / | 10amp | 15amp | hard wired | hard wired | hard wired | hard wired |
| Fan quantity | / | 1 | 1 | 1 | 1 | 2 | 2 |
| Fan speed | RPM | 400-800 | 400-800 | 500-750 | 500-900 | 400-800 | 400-900 |
| Noise dB(A) at 1M | dB(A) | 40-50 | 42-52 | 44-53 | 46-56 | 46-57 | 48-58 |
| Noise dB(A) in silence mode at 1M | dB(A) | 40 | 42 | 44 | 45 | 46 | 48 |
| Refrigerant gas | / | R32 | R32 | R32 | R32 | R32 | R32 |
| PVC water connection | mm | 0 | 40 | 40 | 40 | 40 | 40 |
| Water flow volume | L/M | 60 | 80 | 90 | 110 | 150 | 160 |
| Water pressure drop | kPa | 4 | 4.5 | 5 | 6 | 11 | 15 |
| Net dimensions L/W/H | mm | 1046/453/768 | 1046/453/768 | 1161/490/862 | 1161/490/862 | 1161/490/1274 | 1161/490/1274 |
| Net weight | kg | 52 | 58 | 69 | 90 | 111 | 120 |

\*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 Force-i titanium heat exchanger, 5 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 Force-i Series | 25 years | 5 years | 2 years | 1 year |