

inverTITAN

POWERFUL PERFORMANCE. EFFICIENT OPERATION.

Designed and engineered to meet the highest requirements for cooling and heating options, with full inverter compressor and top discharge fans for a streamlined efficient air flow. Powerful performance supported by the latest eco-friendly technology. Enjoy new possibilities for pool heating and cooling with the space saving and slick design of the InverTITAN. Limited space is no longer a concern. Full Stepless DC Compressor, marine grade aluminium alloy casing, Twisted Titanium Heat Exchanger and Madimack's Advanced Sound Suppression Technology for whisper quiet operation.



Heat & Cool

With integrated heating and cooling into a single unit, enjoy your swimming pool any season of the year



Operation down to 14°F

Built to operate in the coldest weather and extend your pool season into the winter



Built-in Wi-Fi

Built-in Wi-Fi and a smart app provide convenience to control your pump on-the-go



Twin-rotary compressor

Significantly reduced operating noise



Electronic expansion valve

Optimized flow of refrigerant 20% higher COP



Twisted titanium heat exchanger

Increased area for heat exchange 40% higher efficiency



Smart & quick defrosting

InverTITAN is equipped with reverse cycle defrosting detecting frost accumulation during operation and automatically switch to defrosting mode



**advanced
sound
suppression
technology**

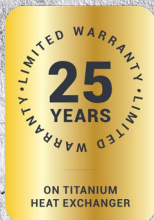


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Powered by



invermac
TECHNOLOGY



TECHNICAL PARAMETERS

| Model | ITVC090 | ITVC112 | ITVC140 |
|--|-----------------------|-----------------------|-----------------------|
| PERFORMANCE CONDITION: Air 80°F (26.7°C)/ Water 80°F (26.7°C)/ Humidity 80% | | | |
| Heating capacity (BTU) | 90,000 | 112,000 | 140,000 |
| COP Range | 14.3 ~ 6.0 | 14.5 ~ 6.1 | 14.6 ~ 6.0 |
| PERFORMANCE CONDITION: Air 80°F (26.7°C)/ Water 80°F (26.7°C)/ Humidity 63% | | | |
| Heating capacity (BTU) | 85,000 | 106,000 | 134,000 |
| COP Range | 12.7 ~ 5.7 | 12.8 ~ 5.8 | 13.3 ~ 5.7 |
| PERFORMANCE CONDITION: Air 50°F (10°C)/ Water 80°F (26.7°C)/ Humidity 63% | | | |
| Heating capacity (BTU) | 46,000 | 56,000 | 69,000 |
| COP Range | 5.3 ~ 4.6 | 5.4 ~ 4.8 | 5.6 ~ 4.7 |
| TECHNICAL SPECIFICATIONS | | | |
| Advised pool volume (gallons) * | ≤28,000 | ≤32,000 | ≤42,000 |
| Operating air temperature (°F) | 14 ~ 109 | | |
| Operating air temperature (°C) | -10 ~ 42 | | |
| Heat exchanger | Titanium in PVC | | |
| Power supply | 230V/1 Ph/60Hz | | |
| Water connection (mm)/(inch) | 60.3mm/2" | | |
| Rated input power at air 80°F (26.7°C) (kW) | 0.63~4.28 | 0.6~5.4 | 0.8~6.9 |
| Rated input current at air 80°F (26.7°C) (A) | 2.88~18.6 | 2.9~23.7 | 3.6~31.3 |
| Sound level at 10ft (3.05m) dB(A) | 34.3 ~ 46.5 | 35.2 ~ 48.3 | 38.8 ~ 51.1 |
| Advised water flux (GPM) | 33.0 ~41.7 | 35.1 ~ 44.1 | 35.1 ~ 67.1 |
| Advised water flow (L/min) | 125 ~ 158 | 133~167 | 133 ~ 254 |
| Net dimension, LxWxH (in) | 35.7" × 27.6" × 38.5" | 35.7" × 27.6" × 38.5" | 39.1" × 31.7" × 41.5" |
| Net dimension, LxWxH (mm) | 906 × 701 × 977 | 906 × 701 × 977 | 992 × 806 × 1054 |
| Net Weight (lbs) | 277.8 | 275.6 | 315.3 |
| Net Weight (kg) | 126 | 125 | 143 |
| Qty per 20FT/40HQ (sets) | 32/68 | 32/68 | 12/52 |
| Maximum air volume(m³/h) | 6500 | 7500 | 8300 |
| Water pressure drop(Kpa) | 6 | 10 | 19 |

Remarks: * The data above is only for reference. For specific data, please refer to the nameplate on the unit.

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