

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



madimack

Powered by  **invermac**
TECHNOLOGY



1 YEAR LABOR WARRANTY.



TECHNICAL PARAMETERS

Model	INVTIT090	INVTIT112	INVTIT140
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
Heating capacity (kW)	26	33	41
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
Heating capacity (kW)	25	31	39
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
Heating capacity (kW)	13	16	20
COP Range	5.3 ~ 4.6	5.4 ~ 4.8	5.6 ~ 4.7
TECHNICAL SPECIFICATIONS			
Operating air temperature (°F)	14 ~ 109		
Operating air temperature (°C)	-10 ~ 42		
Power supply	230V/1 Ph/60Hz		
Water connection (mm)/(inch)	60.3mm/2"		
Rated input power at air 80°F (26.7°C) (kW)	0.57 ~ 4.40	0.70 ~ 5.38	0.89 ~ 6.84
Rated input current at air 80°F (26.7°C) (A)	2.49 ~ 19.13	3.04 ~ 23.39	3.87 ~ 29.74
Rated input current (A) (230v)	19.2	23.4	29.7
Sound level at 10ft (3.05m) dB(A) LP	34.3 ~ 46.5	35.2 ~ 48.3	38.8 ~ 51.1
Advised water flow (GPM)	33.0 ~ 41.0	35.1 ~ 44.1	35.1 ~ 67.1
Advised water flow (L/min)	125 ~ 155	133~167	133 ~ 254
Net dimension, LxWxH (in)	36.8" × 27.4" × 38.9"	35.6" × 27.8" × 38.5"	39.2" × 32.3" × 41.4"
Net dimension, LxWxH (mm)	935 × 696 × 988	905 × 705 × 978	995 × 820 × 1051
Net Weight (lbs)	277.8	277.8	315
Net Weight (kg)	126	126	143

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

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