

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

AHRI CERTIFIED™



madimack

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			
Operating air temperature (°F)	14 ~ 109		
Operating air temperature (°C)	-10 ~ 42		
Heat exchanger	Tube in Shell low pressure loss 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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