

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.



Soft Start

InverTITAN will start from 0 amps and increase steadily protecting electrical systems



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 smart app provides 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





TECHNICAL PARAMETERS

Model	ITV090	ITV112	ITV140
PERFORMANCE CONDITION: Air 80°F/ Water 80°F/ 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/ Water 80°F/ Humidity 63%			
Heating capacity (BTU)	84,000	105,000	131,000
COP Range	12.7 ~ 5.7	12.8 ~ 5.8	13.3 ~ 5.7
PERFORMANCE CONDITION: Air 50°F/ Water 80°F/ Humidity 63%			
Heating capacity (BTU)	54,000	67,200	85,000
COP Range	5.1 ~ 4.2	5.1 ~ 4.1	5.2 ~ 4.2
TECHNICAL SPECIFICATIONS			
Operating air temperature (°F)	14 ~ 109		
Operating air temperature (°C)	-10 ~ 42		
Power supply	230V/1 Ph/60Hz		
Water connections (in)	2		
Rated input power at air 80°F (BTU)	2000 ~ 15000	2400 ~ 18000	3000 ~ 23000
Rated input current at Air 80°F (A)	2.49 ~ 19.13	3.04 ~ 23.39	3.87 ~ 29.74
Maximum input current (A)	28	32.5	40.0
Sound level at 10ft dB(A)	34.3 ~ 46.5	35.2 ~ 48.3	38.8 ~ 51.1
Advised water flow (gal/min)	33.0 ~ 41.0	35.7 ~ 43.6	35.7 ~ 69.4
Net dimension, LxWxH (in)	36.8x27.4x38.9	36.8x 27.4x38.9	40.7x32.3x41.5
Net Weight (lbs)	288	297	347.6

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

madimack