

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 32°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)	32 ~ 109		
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 flux (gal/min)	33.0 ~ 41.0	35.7 ~ 43.6	35.7 ~ 69.4
Net dimension, LxWxH (in)	36.8x27.4x38.9	36.8x27.4x38.9	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.