

inverELITE

SUPERIOR EFFICIENCY. ADVANCED ENGINEERING. DESIGN APPEAL.

Powered by Madimack's InverMAC technology and engineered to include the latest user-features, inverELITE is a world-class pool heating and cooling solution. Unrivalled energy efficiencies, the quietest operation noise levels and market-leading design makes it the ultimate heating partner for avid pool owners. Madimack's inverELITE series comes with Wi-Fi as a standard inclusion and operates at optimal levels even in the coldest of conditions. The inverELITE series simply sets the standard for all other heaters.



Backward Airflow System

Innovative backward airflow design draws air from both sides and blows it out from the back



Premium Weatherproof Casing

The elegant casing gives a sleek, premium feel resistant to weather, UV and corrosion



Soft Start

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



Operation down to 5°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



Smart & quick defrosting

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



**advanced
sound
suppression
technology**



Globally Recognized. Industry Respected.



Intertek



madimack

Powered by



invermac
TECHNOLOGY



TECHNICAL PARAMETERS

Model Name	inverELITE 84,000	inverELITE 116,000
Model Number	ISAC840	ISAC1100
SKU	INVELITE084	INVELITE1100
PERFORMANCE CONDITION: AIR 80°F / WATER 80°F / HUMIDITY 80%		
Heating capacity (BTU)	76,000	105,000
COP Range	5.6	5.6
PERFORMANCE CONDITION: AIR 80°F / WATER 80°F / HUMIDITY 63%		
Heating capacity (BTU)	71,000	101,000
COP Range	5.3	5.4
PERFORMANCE CONDITION: AIR 50°F / WATER 80°F / HUMIDITY 63%		
Heating capacity (BTU)	30,000	47,000
COP Range	4.7	4.7
TECHNICAL SPECIFICATIONS		
Temperature set point range (°F/ °C)	64~104/ 18~40	
Operating air temperature (°F/ °C)	14 ~ 109/ -10 ~ 43	
Heat exchanger	Titanium in PVC	
Power supply	208V ~ 230V/1 Ph/ 60Hz	
Electrical Connection	Hardwired (3 × 10 AWG/ 3 × 6.0 mm ²)	Hardwired (3 × 8.0 AWG/ 3 × 10 mm ²)
Minimum Circuit Ampacity (MCA)	25	40
Max. Rating Overcurrent Protection (MOP)	35	60
Rated input power (kW) at air 80°F	0.71 ~ 3.91	0.96 ~ 5.31
Rated input current (A) at air 80°F	3.09 ~ 17.0	4.17 ~ 23.09
Maximum input current (A)	23	30
Sound level at 10ft dB(A)	30.8 ~ 44.5	32.0 ~ 45.4
Sound level at 3ft dB(A)	40.3 ~ 54.0	41.5 ~ 54.9
Advised water flux/ flow ± 20% (GPM/ LPM)	21.9 ~ 30.6/ 83 ~ 116	35.1 ~ 44.1/ 133~167
Water Pressure Drop (kPa)	5.6	10.6
Water connection (in/ mm)	2/ 50	
Refrigerant Gas	R410A	
Maximum Air Volume (m ³ /h)	6100	7050
Net dimension LxWxH (in/ mm)	41.7" × 16.9" × 37.7"/ 1060 × 430 × 957	51.7" × 19.3" × 37.7"/ 1314 × 489 × 957
Net Weight (lb/ kg)	211.6/ 96	275.6/ 125
Gross Weight (lb/ kg)	273.4/ 124	341.7/ 155
Packaging dimension LxWxH (in/ mm)	44.1" × 18.4" × 38.8"/ 1121 × 467 × 985	53.9" × 21.5" × 39.0"/ 1370 × 547 × 990

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

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