madimack

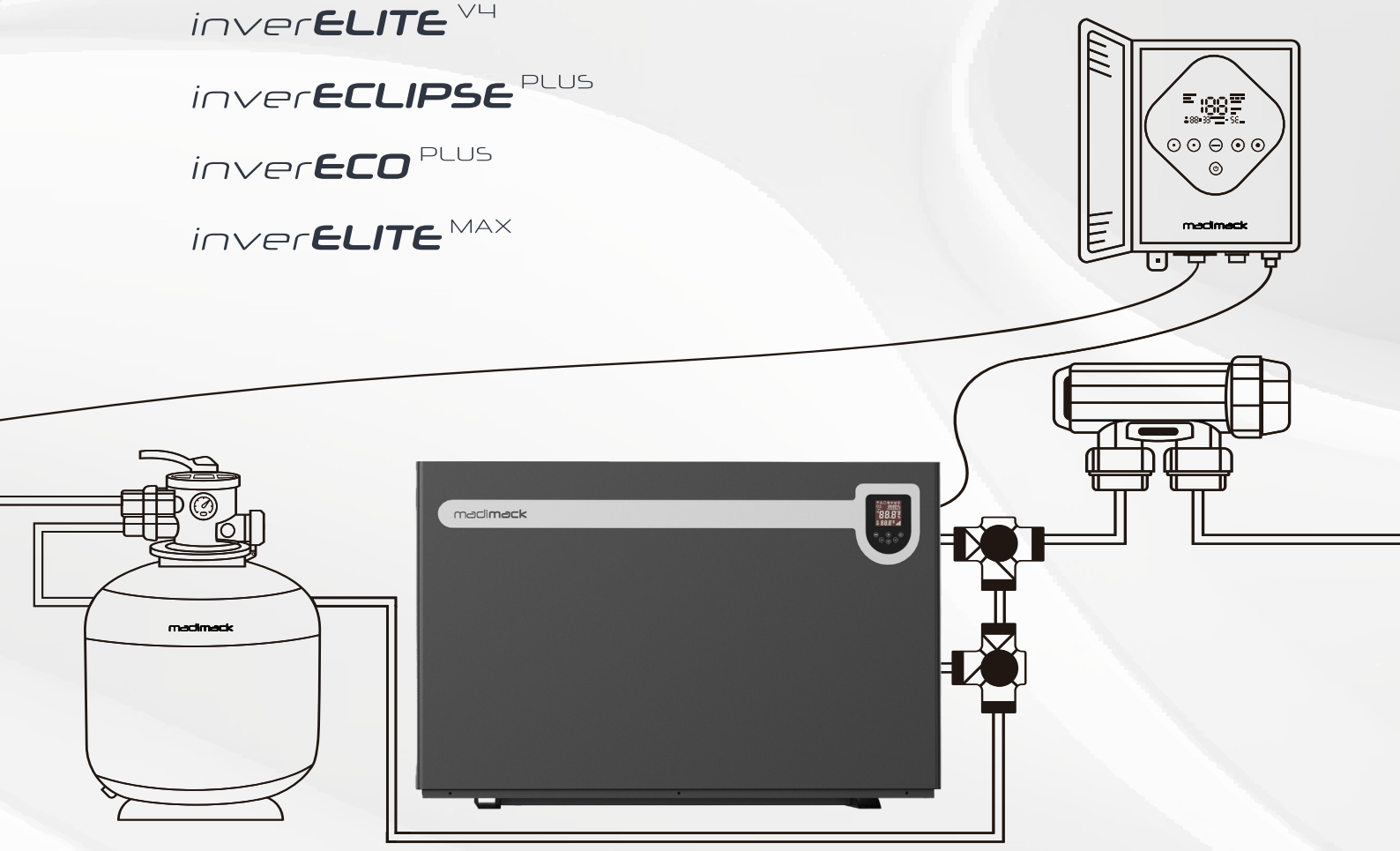
[ADVANTAGE]

inverELITE V4

inverECLIPSE PLUS

inverECO PLUS

inverELITE MAX



Powered by invermac TECHNOLOGY

madimack
Pool Heating Performance Guarantee



madimack

[ADVANTAGE]

Maximise the efficiency and operational benefits of your pool equipment with Madimack's market-leading range.





inverELITE V4

Model Name	Elite V4 - 100	Elite V4 - 120	Elite V4 - 140	Elite V4 - 170	Elite V4 - 190	Elite V4 - 230	Elite V4 - 270	Elite V4 - 330	Elite V4 - 410
	10kW	12kW	14kW	17kW	19kW	23kW	27kW	33kW	41kW
Electrical Connection	10A plug			Hard wired					



inverECLIPSE PLUS

Model Name	Eclipse Plus 16kW	Eclipse Plus 21kW	Eclipse Plus 26kW
Electrical Connection	15A plug	Hard wired	



inverECO PLUS

Model Name	ECO Plus 9kw	ECO Plus 13kw	ECO Plus 16kw	ECO Plus 20kw	ECO Plus 24kw	ECO Plus 28kw
Electrical Connection	10A plug		Hard wired			



inverELITE MAX

Model Name	EM600	EM1200	EM2500
	60kW	117kW	252kW



madimack gt freedom

Model Name	GT Freedom i30	GT Freedom i45	GT Freedom i60	GT Freedom i80
Endurance Time (Floor Mode)	3hr	4.5hr	6hr	8hr



madimack gt freedom PLUS

Model Name	GT Freedom Plus 5.5hr
Endurance Time (Floor Mode)	5.5hr



inverMOWER

Model Name	MOWER 750	MOWER 1500
Mowing time, h	2.1	3.2
Maximum area, m2	≤750	≤1500



pH Doser

inverCHLOR

Model Name	inverChlor 10	inverChlor 20	inverChlor 30	inverChlor 40
Chlorine g/hr 3000ppm	10	20	30	40
pH Doser (optional)	InverCHLOR pH Doser			



inverFLOW PRO

Model Name	InverFlow Pro 1HP	InverFlow Pro 1.5HP	InverFlow Pro 2HP
Pump Size	1hp	1.5hp	2hp



inverFLOW PLUS

Model Name	InverFlow Plus 1HP	InverFlow Plus 1.5HP	InverFlow Plus 2HP
Pump Size	1hp	1.5hp	2hp



eliteCLEAR Media Filter

Model Name	Elite Clear 26	Elite Clear 28
Filter Diameter	635mm/26"	710mm/28"

ecoBLEND

Model Name	EcoBLEND 15kg
ecoBLEND glass media	15kg combined blend, premium grade, glass media



eliteCLEAR Cartridge Filters

Model Name	EliteCLEAR 100	EliteCLEAR 150	EliteCLEAR 200
Effective Filtration Area (ft2/m2)	100/9.3	150/13.9	200/18.6



resiSTEAM

Model Name	ResiSteam Hot Water Heat Pump
All-in-one heat pump residential hot water system	300L Capacity (up to 5-person home)

Efficient and quiet heat pump

Very happy with our Madimack heat pump. It is very efficient and warms up our 50,000L pool quickly and quietly. I highly recommend this heat pump for those who want to get the most usage out of their pool.

- Peter T

★★★★★



inverELITE V4

inverECLIPSE PLUS

inverECO PLUS

inverELITE MAX

World-class performance. Pool heating and cooling solution.

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Madimack Advantage

Madimack delivers the total pool pad solution: heaters, pumps, filters, chlorinators, cleaners - designed to work together for maximum efficiency. This complete approach simplifies installs, ensures compatibility and provides long-term value for pool owners and trade partners alike.

At the core are Madimack's heat pumps, the most energy-efficient way to heat & cool a pool. Using only one-third of the energy of traditional systems, they set the standard for performance. Backed by advanced inverter technology, market-leading warranties and an expert dealer network, Madimack offers reliability and confidence across the entire pool system.

WHAT SETS US APART

- Up to 15 years warranty on compressor
- TüV Rheinland tested
- Highest efficiency
- Wi-Fi included across the range
- Patented quietest unit
- Full inverter technology
- Touchscreen easy-to-use controller
- Silence mode for night operation
- Built-in flow switch
- Automatic defrost system
- Titanium heat exchanger
- Centrifugal fan for quieter operation
- Compatible with Solar PV
- R32 Eco-friendly refrigerant
- Latest electronic expansion valve
- Quick Connect technology
- Plug & play solutions
- Full ventilation options to suit all environments

INVERTER TECHNOLOGY

- Longer unit lifetime
- Higher efficiency than on/off units
- Night mode and quiet mode built-in
- Soft start operation
- Heating performance guarantee

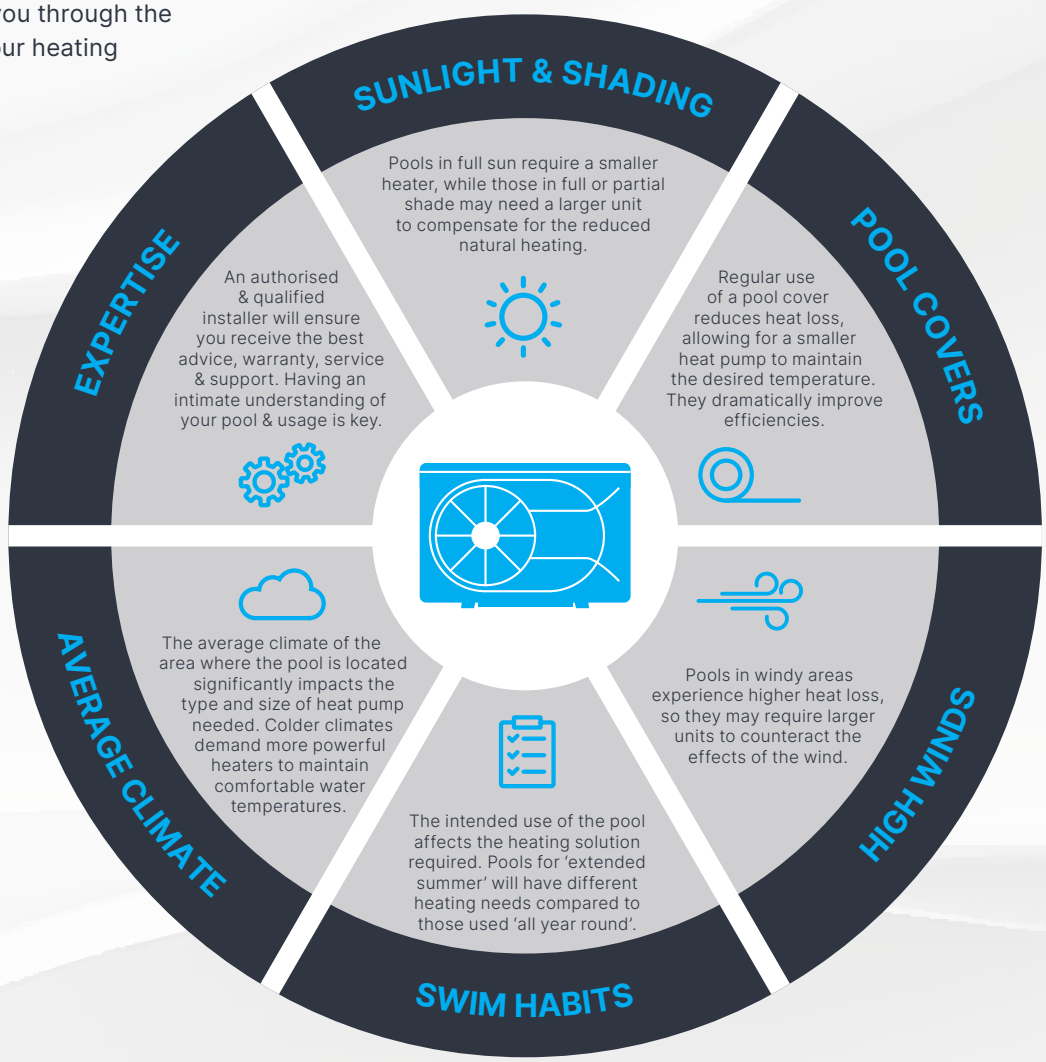
Trusted by
POOL PROFESSIONALS

Madimack is trusted by pool professionals around the globe for delivering outstanding performance, innovation and efficiency. Our market-leading product ranges are supported by industry-leading technology, service and warranty periods.



inverHEAT | GUIDANCE SPHERE

Choosing the right heat pump can be a daunting process. Madimack's range of advanced pool heaters cater for variations in backyard pools and environments. Engaging a specialist to support you through the process will optimise your heating solution further.



Heating Performance Guarantee
Get full visibility on the running cost, pool heater sizing, unit dimensions, space requirement and more, with our instant pool heat pump calculator.

Scan code to find your Pool Heater Size



inverELITE V4

The World's Most Efficient Pool Heat Pump



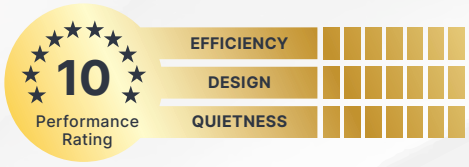
InverELITE V4 boasts an industry-leading COP of 22, it outperforms traditional heat pumps by a significant margin, translating to substantial energy cost savings for you. The InverELITE V4 isn't just efficient, it's the quietest and most effective pool heat pump in the market. InverELITE V4 breaks new ground with the world's first 3D ventilation system. The unit's revolutionary design significantly improves installation requirements and enhances operational efficiencies. Madimack's InverELITE V4 is the world's most efficient, quietest and best performing pool heat pump.



PV-Ready with Quick-Connect
Direct PV hook-up with no rewiring for faster installs and smarter energy use.

- World's Most Efficient Heat Pump
- Triple Layered Sound Insulation
- PV Ready
- Revolutionary 3-Directional Airflow
- Plug & Play Simplicity
- Quick Connect
- Commercial Grade Centrifugal Fan
- Twin Rotary Compressor
- Heating & Cooling

Technical Specifications



Model Name	inverElite V4 100	inverElite V4 120	inverElite V4 140	inverElite V4 170	inverElite V4 190	inverElite V4 230	inverElite V4 270	inverElite V4 330	inverElite V4 410
SKU	HPELV4AU100	HPELV4AU120	HPELV4AU140	HPELV4AU170	HPELV4AU190	HPELV4AU230	HPELV4AU270	HPELV4AU330	HPELV4AU410
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%									
Heating capacity (kW)	9.8	11.8	14.2	17.0	19.0	23.0	27.0	33.0	40.8
COP	19.5~7.0	19.7~7.2	20.2~7.2	20.4~7.2	20~7.0	22.0~7.3	21~7.2	20.3~7.1	18.9~7.0
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%									
Heating capacity (kW)	6.8	8.1	9.6	11.5	13.0	15.0	18.5	22.7	29.0
COP	7.6~5.1	8.1~5.2	8.5~5.1	9.0~5.3	7.9~5.0	9.6~5.6	8.9~5.2	8.0~5.2	7.8~5.0
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%									
Cooling Capacity (kW)	4.8	5.5	6.7	9.4	10.8	11.9	13.5	15.4	20.0
TECHNICAL SPECIFICATIONS									
Temperature set point range (°C)	5°C ~ 40°C								
Operating air temperature (°C)	-20°C ~ 43°C								
Casing	Aluminium-alloy Casing								
Power supply	230V/1Ph								400V 3Ph
Compressor	Twin-Rotary Mitsubishi DC Compressor								
Electrical Connection	10A Plug	10A Plug	10A Plug	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired	Hardwired
Rated input power (kW)	0.16~1.33	0.19~1.56	0.23~1.88	0.26~2.17	0.31~2.6	0.32~2.68	0.43~3.56	0.52~4.37	0.70~5.80
Rated input current (A)	0.70~5.78	0.83~6.78	1.00~8.17	1.13~9.43	1.35~11.3	1.39~11.65	1.87~15.48	2.26~19.0	1.01~8.41
Max input current (A)	9	10	10.0	16.0	16.5	18.5	20.5	24	12.5
Sound level at 1m dB(A)	36.0~41.8	36.0~42.5	36.3~43.9	37.2~45.5	37.5~46.0	37.6~46.8	37.9~48.2	38.2~48.7	38.8~49.3
Sound level at 10m dB(A)	16.0~21.8	16.0~22.5	16.3~23.9	17.3~25.5	17.5~26.0	17.6~26.8	17.9~28.2	18.2~28.7	18.8~29.3
Advised water flow (L/min) ± 20%	50	65	70	85	100	135	140	180	220
Water pressure drop (kpa)	4	4	5	6	7	8	12	16	22
Gas	R32								
Water connection (mm)	40mm								
Gross Weight (kg)	92	92	92	100	104	112	148	181	216
Net Weight (kg)	83	83	83	90	94	100	125	154	186
Net dimension LxWxH (mm)	936×494 x655	936×494 x655	936×494 x655	1036×494 x655	1036×494 x655	1104×494 x757	1129×504 x945	1310×514 x945	1405×514 x1070
Packaging dimension LxWxH (mm)	1005×550 x685	1005×550 x685	1005×550 x685	1105×550 x685	1105×550 x685	1175×550 x785	1198×560 x985	1380×560 x985	1475×560 x1105

The data above is only for reference. For specific data, please refer to the nameplate on the unit.
Acoustic data is to TuV international testing conditions, site conditions may differ

inverECLIPSE PLUS

Top Fan Cooling and Heating Series



Designed and engineered to meet the highest requirements for cooling and heating options, with full inverter compressor and top discharge fan for a streamlined efficient airflow; rest assured that you own the latest eco friendly technology. Enjoy new possibilities for pool heating and cooling with the space saving and slick design. Limited space is no longer a concern.

- Twin-rotary Compressor
- Smart & Quick Defrosting
- PV Ready
- Electronic Expansion Valve
- Twisted Titanium Heat Exchanger
- Quick Connect
- Built-in Wi-Fi
- Soft Start
- Heating & Cooling

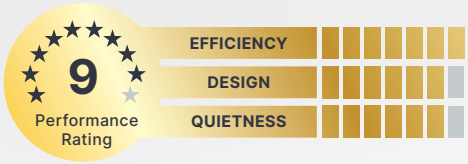


PV-Ready with Quick-Connect
Direct PV hook-up with no rewiring for faster installs and smarter energy use.

Key Features

- Full inverter stepless compressor and fan
- Titanium heat exchanger with 25-year warranty
- Advanced cold air performance
- Built-in flow switch and safety devices
- Extremely energy efficient with COP up to 15.9
- Wi-Fi as standard
- Cooling and heating
- Top discharge air outlet (ventilation) suitable for tight spaces
- Eco-friendly R32 Refrigerant
- Easy-to-use controller
- 3 models up to 26kW single-phase
- Anti-corrosion aluminium alloy casing
- Intuitive shield controller with 7 day timers

Technical Specifications



Model Name	inverEclipse Plus 160	inverEclipse Plus 210	inverEclipse Plus 260
SKU	HPECLIPlus160	HPECLIPlus210	HPECLIPlus260
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%			
Heating capacity (kW)	16.5	21.0	26.0
COP Range	15.2 ~ 7.2	15.9 ~ 7.0	15.0 ~ 6.9
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%			
Heating capacity (kW)	11.7	15.1	18.6
COP Range	7.2 ~ 5.1	7.8 ~ 5.0	7.5 ~ 4.8
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%			
Cooling capacity (kW)	7.3	9.0	11.2
TECHNICAL SPECIFICATIONS			
Temperature set point range (°C)	12°C ~ 40°C		
Operating air temperature (°C)	-10°C ~ 43°C		
Compressor	Full Stepless DC Compressor		
Casing	Aluminium alloy casing		
Heat exchanger	Twisted Titanium Heat Exchanger		
Power supply	240V 1Ph		
Electrical connection	15A plug	Hard wired	
Rated input power (kW)	0.38 ~ 2.33	0.45 ~ 3	0.84 ~ 3.91
Rated input current (A)	1.66 ~ 10.1	1.96 ~ 13	3.65 ~ 17
Maximum input current (A)	13.5	17	20
Sound level at 1m dB(A)	41.2 ~ 54.9	42.8 ~ 54.7	41.5 ~ 55.2
Sound level at 10m dB(A)	21.2 ~ 34.9	32.8 ~ 34.7	31.5 ~ 35.2
Advised water flow (L/Min) ±20%	100	125	150
Water connection (mm)	40		
Gross weight (kg)	80	87	98
Net weight (kg)	70	77	88
Net dimension L x W x H (mm)	780×710×656	780×710×656	780×710×756

The data above is only for reference. For specific data, please refer to the nameplate on the unit.
Acoustic data is to TuV international testing conditions, site conditions may differ

inverECO PLUS

Front Facing Ventilation



InverECO PLUS is Madimack's revamped InverECO range. The upgraded PLUS series now delivers heating and cooling capacity, a sleek, user-friendly interface, all wrapped up in a premium outer casing. Perfect for energy-conscious pool owners, InverECO PLUS ensures your pool stays at the ideal temperature year-round. With built-in Wi-Fi and innovative "low energy" and "night" modes, it enhances efficiency by up to 20%. InverECO PLUS simply and efficiently extends your family's swimming season, all while reducing energy consumption.



PV-Ready with Quick-Connect
Direct PV hook-up with no rewiring for faster installs and smarter energy use.

- Dedicated Pool Heating Inverter Control System
- Twisted Titanium Heat Exchanger
- PV Ready
- Electronic Expansion Valve Technology
- Wi-Fi Module and Smart App
- Quick Connect
- Premium Aluminum Alloy Casing
- Twin-rotary Inverter Compressor
- Heating & Cooling

Key Features

- Energy efficient with COP up to 11
- Full inverter compressor and inverter fan
- Five models up to 28 kW in single phase
- Quieter operation than on/off technology
- Easy-to-use controller
- Slim design
- Wi-Fi as standard
- Titanium heat exchanger with 25-year warranty
- Front discharge air outlet
- Reverse cycle defrost
- Built-in flow switch and safety devices
- Eco-friendly R32 Refrigerant
- TüV Rheinland certified
- Up to 40 degrees set point temperature
- Intuitive shield controller with 7 day timers

Technical Specifications



Model Name	inverECO PLUS 90	inverECO PLUS 130	inverECO PLUS 160	inverECO PLUS 200	inverECO PLUS 240	inverECO PLUS 280
SKU	HPECOPLUS90	HPECOPLUS130	HPECOPLUS160	HPECOPLUS200	HPECOPLUS240	HPECOPLUS280
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Heating capacity (kW)	9	13	16	20.2	24.2	28.0
COP Range	10.5 ~ 6.2	10.8 ~ 6.3	10.7 ~ 6.2	10.8 ~ 6.2	10.8 ~ 6.3	11 ~ 6.3
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	6.5	9	11	14	16	19.5
COP Range	6.5 ~ 4.2	6.2 ~ 4.5	6.6 ~ 4.3	6.5 ~ 4.2	6.6 ~ 4.5	6.5-4.4
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling capacity (kW)	3.6	5	6.1	7.7	8.8	10.8
TECHNICAL SPECIFICATIONS						
Temperature set point range (°C)	12°C ~ 40°C					
Operating air temperature (°C)	0°C ~ 43°C					
Compressor	DC Compressor					
Casing	Anti-corrosion ABS casing					
Heat exchanger	Twisted Titanium Heat Exchanger					
Power supply	230V/1Ph/50Hz					
Electrical connection	10A plug	10A plug	Hard wired			
Rated input power (kW)	0.28 ~ 1.55	0.41 ~ 2.01	0.50 ~ 2.56	0.60 ~ 3.26	0.72 ~ 3.81	0.89-4.43
Rated input current (A)	1.21 ~ 6.73	1.76 ~ 8.70	2.17 ~ 11.12	2.61 ~ 14.16	3.13 ~ 16.56	3.87-19.3
Maximum input current (A)	8	10	17	19.5	20.5	20
Sound level at 1m dB(A)	41.6 ~ 53.5	43.9 ~ 54.0	46.2 ~ 57.3	46.3 ~ 58.1	46.9 ~ 58.7	48.6-60.5
Sound level at 10m dB(A)	21.6 ~ 33.5	23.9 ~ 34.0	26.2 ~ 37.3	26.3 ~ 38.1	26.9 ~ 38.7	28.6-40.5
Advised water flow (L/Min) ±20%	50	75	90	120	150	180
Water connection (mm)	40					
Gross Weight (kg)	52	55	67	76	78	107
Net Weight (kg)	46	49	60	68	68	90
Net dimension L x W x H (mm)	864×359×648	864×359×648	954×359×648	954×359×748	954×429×748	1122×415×958

The data above is only for reference. For specific data, please refer to the nameplate on the unit.
Acoustic data is to TuV international testing conditions, site conditions may differ

inverELITE MAX

Commercial Heat Pump Series



These powerful commercial heaters have the capacity to cope with the demands of any aquatic facility. Built with cutting edge technology and climate adaptive features, the Madimack commercial range keeps up all year round while reducing energy bills significantly. Of particular note is Madimack's InverELITE Max—with market-leading size to power ratio, providing optimised performance and ventilation. Madimack's commercial units offer Wi-Fi as standard.

- Dual Defrost
- Titanium Heat Exchanger
- Industry-leading physical size to performance ratio
- RS485 connectivity ready
- Top discharge air outlet
- Full stepless inverter compressor and fan

Key Features

BENEFITS

- Extremely energy efficient with COP up to 16
- Full stepless inverter compressor and fan
- Dual Defrost
- Aluminium & stainless steel option
- RS485 connectivity ready
- Titanium heat exchanger with 25 year warranty
- Top discharge air outlet
- Reverse cycle defrost down to -10°C
- Industry-leading physical size to performance ratio
- Up to 40 degrees set point temperature

SERVICES

- Bespoke system designs
- Energy modelling
- Full HVAC system
- Heat recovery
- Dehumidification
- Ventilation controls
- Integrated energy systems
- Servicing and maintenance
- Portable hot water generation
- Smart controls

Technical Specifications

Model Name	inverElite Max 600	inverElite Max 1200	inverElite Max 2500
SKU	EM600AA	EM1200AA	EM2500SS
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%			
Heating capacity (kW)	60	117	252
COP Range	16.0 ~ 6.2	16.1 ~ 6.3	16.0 ~ 6.3
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%			
Heating capacity (kW)	40.1	85	185
COP Range	4.7 ~ 7.7	4.8 ~ 8	4.8 ~ 8
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%			
Cooling capacity (kW)	24	45	110
TECHNICAL SPECIFICATIONS			
Temperature set point range (°C)	12°C ~ 40°C		
Operating air temperature (°C)	-10°C ~ 43°C		
Compressor	DC Inverter Compressor		
Casing	Aluminium Alloy		Stainless steel
Heat exchanger	Twisted Titanium Heat Exchanger		
Fan direction	Vertical		
Power supply	415V/3Ph/50Hz		
Rated input power (kW)	2.13 ~ 8.53	4.43 ~ 17.7	5.7 ~ 35.8
Rated input current (A)	3.08 ~ 12.36	6.42 ~ 25.65	8.3 ~ 51.9
Max input current (A /phase)	15.4	31.9	64.6
Sound level at 1m dB(A)	53.0 ~ 61.0	55.0 ~ 64.0	58.0 ~ 72.0
Sound level at 10m dB(A)	33.0 ~ 41.0	35.0 ~ 44.0	38.0 ~ 52.0
Advised water flow (L/Min)	280 ~ 500	500 ~ 800	800 ~ 1200
Water connection (mm)	65	80	100
Net dimension L x W x H (mm)	1000×1110×1260	2100×1090×1280	2601×1051×2069
Gross weight (kg)	225	461	1178
Net weight (kg)	212	448	1165

The data above is only for reference. For specific data, please refer to the nameplate on the unit.
Acoustic data is to TuV international testing conditions, site conditions may differ

Heat Pump Sizes
Without Pool Cover

Estimated unit size for pools **without a cover being used** and heated up to 28 degrees and max running times of approximately 10 hours.

Volume of water in litres	Season	Townsville	Brisbane	Sydney	Perth	Adelaide	Melbourne	Canberra
20000	Nov-Mar	9	9	9	9	9	13	16
	Oct-April	9	9	13	13	13	16	24
	Sept-May	9	9	13	16	20	24	32
	All-year	13	16	24	24	24	32	48
30000	Nov-Mar	9	9	9	13	13	20	24
	Oct-April	9	9	16	16	16	24	32
	Sept-May	9	13	20	24	24	32	48
	All-year	16	24	32	32	40	48	72
40000	Nov-Mar	9	9	13	13	16	32	32
	Oct-April	9	9	20	20	24	32	48
	Sept-May	9	16	24	32	40	48	60
	All-year	20	32	40	40	48	60	96
50000	Nov-Mar	9	9	16	16	20	32	40
	Oct-April	9	13	24	24	26	40	60
	Sept-May	13	24	32	40	40	60	80
	All-year	24	32	60	60	72	80	##
60000	Nov-Mar	9	9	20	20	24	40	48
	Oct-April	9	16	32	32	32	48	72
	Sept-May	16	24	40	48	60	72	##
	All-year	24	40	72	72	80	##	##

Heater sizes indicated above are selected from our wide range of heat pumps and some may require multiple units to match the kW required.
Average pool dimensions used.
Pools with greater surface area will suffer greater heat loss and may require larger unit.
Average temperature, humidity and wind speed used for calculations, heat pump sizing in each location may vary on exact location.
A thermal pool cover has been used for calculations in 'when a cover is used' table, other types may change requirement.
At start-up from cold the heat pump will need to run for a longer period to reach the set temperature.
Please see Madimack FAQs for more information.
This table is to be used as a guide, please consult your installer. Madimack accepts no responsibility for incorrect sizing based on this table.
A power requirement exceeding 33 kW needs a three-phase connection.
Contact Madimack on 1300 899 737 for assistance in selecting the right heat pump.

Heat Pump Sizes
With Pool Cover

Estimated unit size for pools **with a cover being used** and heated up to 28 degrees and max running times of approximately 10 hours.

Volume of water in litres	Season	Townsville	Brisbane	Sydney	Perth	Adelaide	Melbourne	Canberra
20000	Nov-Mar	9	9	9	9	9	9	9
	Oct-April	9	9	9	9	9	9	13
	Sept-May	9	9	9	9	9	13	16
	All-year	13	9	13	13	13	16	24
30000	Nov-Mar	9	9	9	9	9	9	9
	Oct-April	9	9	9	9	9	13	16
	Sept-May	9	9	13	13	16	20	24
	All-year	9	13	16	16	20	24	40
40000	Nov-Mar	9	9	9	9	9	13	13
	Oct-April	9	9	13	13	13	16	24
	Sept-May	9	9	13	16	20	24	32
	All-year	13	16	24	24	24	32	48
50000	Nov-Mar	9	9	9	9	9	13	16
	Oct-April	9	9	13	13	13	20	26
	Sept-May	9	13	16	20	24	32	40
	All-year	13	20	26	26	32	40	60
60000	Nov-Mar	9	9	9	9	9	16	20
	Oct-April	9	9	13	16	16	24	32
	Sept-May	9	13	20	24	26	32	48
	All-year	13	24	32	32	40	48	72

Scan code to find
your Pool Heater Size

madimack

www.madimack.com

