madimack

Heat Pump Pool Heaters

Summer Eco | Elite Silent | Eclipse | Commercial Series

About Madimack

Madimack is 100% Australian owned and operated, providing energy efficient systems, services and solutions to manufacturing, healthcare, government facilities, and homes nationwide. We have always been big when it comes to heating and cooling buildings efficiently, and now we are bringing that expertise to your pool environment, too. We strive for reliability, durability, and energy efficiency, and promise you the highest quality by providing the longest pool heat pump warranty on the market.

Renowned for creative, energy efficient solutions, Madimack's engineering department is at the forefront of design and sustainability. We offer a full range of systems from small residential through to the most complex year-round commercial heating systems. We provide designs, installation, energy modelling, and smart control system integrations. It's time to create a synchronised, sustainable solution for your needs.

All Madimack's residential heat pumps use the latest inverter technology and through rigorous testing and research we are constantly improving the quality, efficiency and reliability. By using only the very best technology and sourcing superior components from world leading manufacturers, our heat pumps continue to perform year after year.

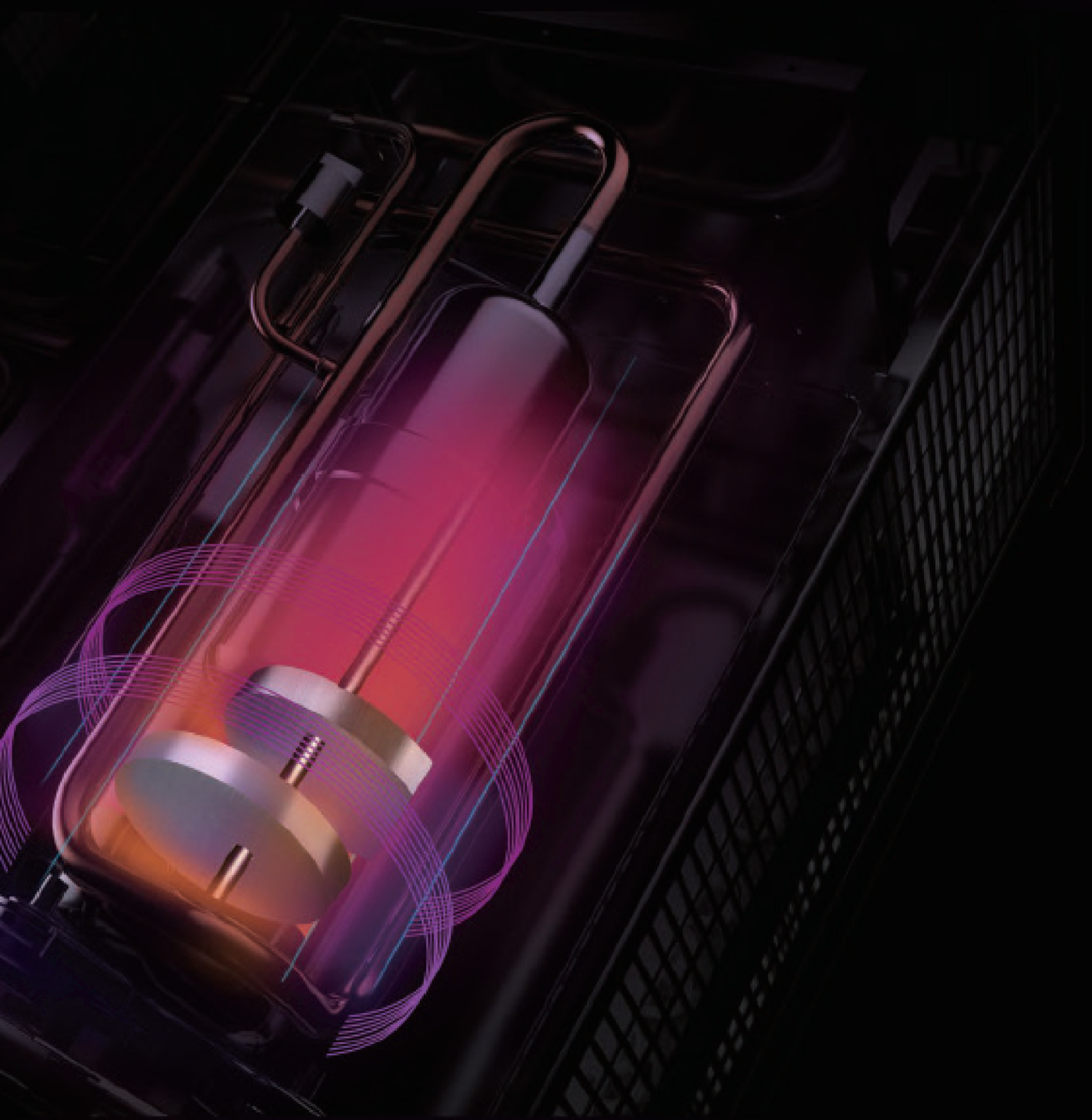
What are heat pumps?

A pool heat pump uses electricity to operate and as the name suggests transfers or "pumps" heat from one place to another. Working like a reverse air conditioner, the unit extracts the heat from the outside air and transfers it to the pool water. This method of renewable heat transfer is proven to be the most efficient form of pool heating. Madimack heat pumps are designed for Australian conditions by taking advantage of the mild climate and high humidity. They produce best in class efficiency to keep your pool warm for when you need it, making your garden the oasis that you dream of.

Our heat pump technology

Madimack heat pumps include a titanium heat exchanger with a 25-year guarantee combined with a corrosion resistant evaporator coil for the most durable heat exchanger combination in the industry. These products are also TüV certified to give you peace of mind. The TüV Rheinland testing body is an international service group of engineers and product testers. It establishes international standards that can be used as a base of comparison for these products that are used to satisfy their performance and quality, and encourages manufacturers to improve the efficiency of their equipment. Carried out on a voluntary basis, these certification programs test equipment at random conditions and confirm that it performs as advertised. In addition, Madimack heat pumps are lightweight, compact and very easy to install, making them ideal for new pools or enhancing the one you already have.

INVERTER TECHNOLOGY



WHAT SETS US APART

- Up to 25 years warranty
- TüV Rheinland tested
- Highest efficiency
- WiFi as standard
- Patented quietest unit
- Full inverter technology
- Touchscreen easy to use controller
- Night Mode
- Built in flow switch
- Automatic defrost
- Titanium heat exchanger
- Reverse fan for quieter operation
- Compatible with Solar PV
- R32 Eco friendly refrigerant
- Electronic expansion valve

SERVICES

- Free to use online calculator
- Online warranty portal with 24-hour response
- In depth installation and user manuals
- Contractor installation, training and advice
- Commercial energy modelling

INVERTER TECHNOLOGY

- Longer unit lifetime by up to five years
- Higher efficiency than on/off units
- Night mode and quite mode built in
- Soft start operation

ANTI CORROSION ABS CASING

summer eco

ECONOMIC HEAT PUMP SERIES

Built with efficiency and simplicity in mind the quiet, long lasting and easy to use Summer Eco is perfect for energy conscious minds. With low energy and night time mode, it means efficiency can be increased by up to 20%, and with WiFi as standard you can change your pool temperature and timers from wherever you are. State of the art anti-corrosion ABS casing means you can be sure your pool stays warm season after season no matter where you live.

- Extremely energy efficient with an average C.O.P of 8
- Inverter compressor and fan
- Five models up to 24 kW in single phase
- Quieter than on/off technology
- Anti-corrosion ABS casing
- Easy to use controller
- Slim design
- Wi-Fi as standard
- Titanium heat exchanger with 25-year warranty
- Two-year extended warranty
- Front discharge air outlet
- Reverse cycle defrost down to -15˚C
- Built-in flow switch and safety devices
- Newest most eco-friendly R32 Refrigerant
- TüV Rheinland certified
- Up to 40 degrees set point temperature

SPECIFICATIONS

Model	SE09	SE13	SE16	SE20	SE24
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%					
Heating capacity (kW)	9.0	13.0	16.0	20.2	24.2
COP Range	10.5~6.2	10.8~6.3	10.7~6.2	10.8~6.2	10.8~6.3
Average COP at 50% Speed	9	9.2	9.1	9.1	9.2
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%					
Heating capacity (kW)	6.5	9.0	11.0	14.0	16.0
COP Range	6.5~4.2	6.2~4.5	6.6~4.3	6.5~4.2	6.6~4.5
Average COP at 50% Speed	6.1	6.0	6.1	6.1	6.2
TECHNICAL SPECIFICATIONS					
Operating air temperature (c)	-10 to +43				
Heat exchanger	Twisted Titanium Heat Exchanger				
Power supply	240v				
Electrical connection	10A plug	15A plug	Hard wired	Hard wired	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
Rated input current (A)	1.21~6.73	1.76~8.70	2.17~11.12	2.61~14.16	3.13~16.56
Maximum input current (A)	9.5	12.5	17.0	19.5	20.0
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
Sound level at 10m dB(A)	21.6~33.5	23.9~34	26.2~37.3	26.3~38.1	26.9~38.7
Advised water flux (L/Min)	50-70	60-80	80-120	120-150	150-200
Water connection (mm)	40mm				
Weight (kg)	47	49	60	68	68
Dimension L x W x H	872x349x654	872x349x654	962x349x654	962x349x754	961×420×758

WHISPER QUIET
SILENT DESIGN

elite

SILENT HEAT PUMP SERIES

The Elite Silent Series comprises of all the best you can ask for in a pool heater. Utilising the newest inverter technology, it creates world class efficiencies and runs quieter than any other unit with its patented back discharge design. This unit stands high above the rest and looks amazing next to your designer pool. With unit size achieving a massive 28kW in single phase you can be sure to heat your pool all-year round.

- Extremely energy efficient with an average C.O.P of 10
- Full inverter stepless compressor and fan
- Sleek designer look.
- Six models up to 28 kW in single phase
- Three phase 35kW model
- Patented silent design
- High quality anti-corrosion aluminium alloy casing
- Intuitive touch screen display
- Wi-Fi as standard
- Titanium heat exchanger with 25-year warranty
- Four-year extended warranty
- Reverse discharge air outlet
- Automatic defrost function
- Built-in flow switch and safety devices
- Newest most eco-friendly R32 Refrigerant
- Three coil evaporator for a more compact unit size
- TüV Rheinland certified
- Up to 40 degrees set point temperature

SPECIFICATIONS

Model	ES110	ES130	ES170	ES210	ES280	ES350S
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Heating capacity (kW)	11.0	13.0	17.5	21.0	28.0	35.2
COP Range	14~7	14.5~7.2	15.6~7	14.8~7.1	16~7.3	15.5-7
Average COP at 50% Speed	10.3	10.8	11	11	11.1	10.5
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	7.7	9.0	12.5	14.5	19.0	24.2
COP Range	7.3~4.7	7.5~5	7.8~5.2	7.1~5	8~5	7.5-5
Average COP at 50% Speed	6.6	6.7	7	6.8	6.8	6.6
TECHNICAL SPECIFICATIONS						
Operating air temperature (c)	-10 to +43					
Compressor	Twin-Rotary Mitsubishi DC					
Heat exchanger	Twisted Titanium Heat Exchanger					
Power supply	240v	240v	240v	240v	240v	415v
Electrical connection	15A plug	15A plug	Hard wired	Hard wired	Hard wired	Hard wired
Rated input power (kW)	0.22~1.64	0.26~1.8	0.32~2.41	0.38~2.90	0.49~3.8	0.65~4.84
Rated input current (A)	0.96~7.13	1.13~7.83	1.39~10.5	1.66~12.7	2.15~16.53	0.95~7.01
Maximum input current (A)	10	12	15	17	20	9.5
Sound level at 1m dB(A)	36.6~47.9	40.1~48.7	41.1~51.8	38.9~52.2	41.5~52.9	40.6~52.6
Sound level at 10m dB(A)	16.6~27.9	20.1~28.7	21.1~31.8	18.9~32.2	21.5~32.9	20.6~32.6
Advised water flux (L/Min)	50-70	60-80	80-120	120-150	160-200	200-250
Water connection (mm)	40mm					
Net weight (kg)	55	57	66	72	91	116
Dimensions L x W x H	890x440x658	890x440x658	1060x440x658	1060 x 440 x 758	1060 x 440 x 958	1314 x 512 x 958

TOP DISCHARGE SPACEFRIENDLY

eclipse

COOLING AND HEATING SERIES

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. 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 more a concern.

- Extremely energy efficient with an average C.O.P of 10
- Full inverter stepless compressor and fan
- Titanium heat exchanger with 25-year warranty
- Two-year extended warranty
- Automatic defrost function
- Built-in flow switch and safety devices
- High quality anti-corrosion aluminium alloy casing
- Wi-Fi as standard
- Cooling and heating
- Top discharge air outlet
- Built-in flow switch and safety devices
- Newest most eco-friendly R32 Refrigerant
- Enables more options to fit in space
- Easy to use controller
- 3 models up to 26 kW single phase
- High quality anti-corrosion aluminium alloy casing

SPECIFICATIONS

Model	MTD160	MTD210	MTD260
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%			
Heating capacity (kW)	16.5	21.0	26.0
COP Range	15.2~7.0	15.6~7.0	15.0~6.9
Average COP at 50% Speed	10.5	11.0	11.0
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%			
Heating capacity (kW)	11.7	15.1	18.0
COP Range	7.2~5.1	7.2~5.0	6.5~4.5
Average COP at 50% Speed	6.8	6.7	6.0
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%			
Heating capacity (kW)	8.1	10.5	12.5
TECHNICAL SPECIFICATIONS			
Operating air temperature (c)		-10 to +43	
Casing		Aluminum-alloy Casing	
Heat exchanger		Twisted Titanium Heat Exchanger	
Power supply		230V 1Ph	
Electrical connection	Hard wired	Hard wired	Hard wired
Rated input power (kW)	0.48~2.29	0.62~3.02	0.80~4.00
Rated input current (A)	2.08~9.95	2.69~13.13	3.5~17.4
Maximum input current (A)	13.3	17.5	20.0
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 flux (L/Min)	80-120	130-170	170-200
Water connection (mm)		40mm	
Weight (kg)	65	72	88
Dimension L x W x H	776x687x656	776x687x656	776x687x755

TITANIUM POWER
UP TO 110kW

elite 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 whilst reducing energy bills significantly.

MAIN BENEFITS

- Extremely energy efficient with C.O.P up to 10
- Full stepless inverter compressor and fan
- High quality anti corrosion casing
- External controller
- RS485 connectivity ready
- Titanium heat exchanger with 25 year warranty
- Top discharge air outlet
- Reverse cycle defrost down to -15˚C
- Multiple input and output signals
- Built in flow switch and safety devices
- Up to 40 degrees set point temperature

COMMERCIAL RANGE SERVICES

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

SPECIFICATIONS

Model	60S	110S
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%		
Heating capacity (kW)	60.2	115
COP Range	15-6.5	15-6.5
Average COP at 50% Speed	10.5	10
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%		
Heating capacity (kW)	40.1	80.8
COP Range	7.5-4.7	7.5-4.7
Average COP at 50% Speed	6.8	6.8
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%		
Cooling capacity (kW)	26.8	53.5
TECHNICAL SPECIFICATIONS		
Operating air temperature (c)	-7 ~ 43	
Compressor	Mitsubishi DC Inverter Compressor	
Heat exchanger	Twisted Titanium Heat Exchanger	
Fan direction	Vertical	
Power supply	400V 3Ph/50Hz	
Rated input power (kW)	2.26~8.90	4.68~17.5
Rated input current (A)	3.27~12.9	6.78~25.3
Sound level at 1m dB(A)	70	75
Max input current (A)	20	40
Sound level at 1m dB(A)	53.0~61.0	55.0~64.0
Sound level 50% at 1m dB(A)	55	58
Sound level at 10m dB(A)	33.0~41.0	35.0~44.0
Advised water flux (L/min)	320-400	650-800
Water connection (mm)	65	80
Net dimension LxWxH (mm)	1000x1110x1260	2100×1090×1280
Net Weight (kg)	212	459

IDEAL FOR

RESORTS

WELLNESS CENTRES

HOTELS

PUBLIC POOLS

SCHOOLS

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 approximately 10 hours.

Volume / Season x1000 Ltrs		Townsville	Brisbane	Coffs Harbour	Sydney	Perth	Adelaide	Melbourne	Hobart	Canberra
10	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	9kW	13kW	9kW
	Oct-April	9kW	9kW	9kW	9kW	9kW	9kW	9kW	13kW	13kW
	Sept-May	9kW	9kW	9kW	9kW	9kW	9kW	13kW	13kW	16kW
	All-year	9kW	9kW	13kW	13kW	13kW	13kW	16kW	20kW	24kW
20	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	13kW	20kW	16kW
	Oct-April	9kW	9kW	9kW	13kW	13kW	13kW	16kW	24kW	24kW
	Sept-May	9kW	9kW	16kW	13kW	16kW	20kW	24kW	24kW	2 x 16kW
	All-year	13kW	16kW	20kW	24kW	24kW	24kW	2 x 16kW	2 x 20kW	2 x 24kW
30	Nov-Mar	9kW	9kW	9kW	9kW	13kW	13kW	20kW	2 x 13kW	24kW
	Oct-April	9kW	9kW	13kW	16kW	16kW	16kW	24kW	2 x 16kW	2 x 16kW
	Sept-May	9kW	13kW	20kW	20kW	24kW	24kW	2 x 16kW	2 x 20kW	2 x 24kW
	All-year	16kW	24kW	2 x 13kW	2 x 16kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 16kW	3 x 24kW
40	Nov-Mar	9kW	9kW	9kW	13kW	13kW	16kW	2 x 16kW	2 x 20kW	2 x 16kW
	Oct-April	9kW	9kW	16kW	20kW	20kW	24kW	2 x 16kW	2 x 24kW	2 x 24kW
	Sept-May	9kW	16kW	2 x 16kW	24kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 16kW	3 x 20kW
	All-year	20kW	2 x 16kW	2 x 20kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 24kW
50	Nov-Mar	9kW	9kW	13kW	16kW	16kW	20kW	2 x 16kW	2 x 24kW	2 x 20kW
	Oct-April	9kW	13kW	20kW	24kW	24kW	2 x 13kW	2 x 20kW	3 x 20kW	3 x 20kW
	Sept-May	13kW	24kW	2 x 16kW	2 x 16kW	2 x 20kW	2 x 20kW	3 x 20kW	3 x 20kW	4 x 20kW
	All-year	24kW	2 x 16kW	2 x 24kW	3 x 20kW	3 x 20kW	3 x 24kW	4 x 20kW	4 x 24kW	N/A
60	Nov-Mar	9kW	9kW	13kW	20kW	20kW	24kW	2 x 20kW	3 x 20kW	2 x 24kW
	Oct-April	9kW	16kW	24kW	2 x 16kW	2 x 16kW	2 x 16kW	2 x 24kW	3 x 24kW	3 x 24kW
	Sept-May	16kW	24kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	3 x 24kW	4 x 24kW
	All-year	2 x 13kW	2 x 20kW	3 x 20kW	3 x 24kW	3 x 24kW	4 x 20kW	4 x 24kW	N/A	N/A
70	Nov-Mar	9kW	9kW	16kW	24kW	24kW	2 x 13kW	2 x 24kW	3 x 24kW	2 x 24kW
	Oct-April	9kW	16kW	2 x 13kW	2 x 16kW	2 x 20kW	2 x 20kW	3 x 20kW	4 x 20kW	4 x 20kW
	Sept-May	16kW	2 x 16kW	2 x 24kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 20kW	4 x 24kW	N/A
	All-year	2 x 16kW	2 x 24kW	3 x 24kW	3 x 24kW	3 x 24kW	4 x 24kW	N/A	N/A	N/A
80	Nov-Mar	9kW	9kW	20kW	24kW	24kW	2 x 16kW	2 x 24kW	3 x 24kW	3 x 20kW
	Oct-April	9kW	20kW	2 x 16kW	2 x 20kW	2 x 20kW	2 x 20kW	3 x 20kW	4 x 24kW	4 x 24kW
	Sept-May	20kW	2 x 20kW	3 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 24kW	N/A	N/A
	All-year	2 x 20kW	3 x 20kW	4 x 20kW	4 x 24kW	4 x 24kW	N/A	N/A	N/A	N/A
90	Nov-Mar	9kW	9kW	20kW	2 x 16kW	2 x 16kW	2 x 16kW	3 x 20kW	4 x 24kW	3 x 24kW
	Oct-April	9kW	20kW	2 x 16kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 24kW	N/A	N/A
	Sept-May	20kW	2 x 20kW	3 x 20kW	3 x 20kW	3 x 24kW	4 x 24kW	N/A	N/A	N/A
	All-year	2 x 20kW	3 x 24kW	4 x 24kW	4 x 24kW	4 x 24kW	N/A	N/A	N/A	N/A
100	Nov-Mar	9kW	9kW	20kW	2 x 16kW	2 x 16kW	2 x 20kW	3 x 24kW	4 x 24kW	3 x 24kW
	Oct-April	9kW	24kW	2 x 20kW	2 x 24kW	2 x 24kW	3 x 20kW	4 x 20kW	N/A	N/A
	Sept-May	24kW	2 x 20kW	3 x 24kW	2 x 20kW	4 x 20kW	4 x 24kW	N/A	N/A	N/A
	All-year	2 x 24kW	3 x 24kW	4 x 24kW	N/A	N/A	N/A	N/A	N/A	N/A

Heater sizes indicated above are selected from our Summer Eco range, the equivelant kW may be used throughout the full range
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 first startup from cold the heat pump will need to run for a longer period to reach the set temperature. Please see Madimack FAQ 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.

For a detailed heating evaluation including running costs, running times per month and more please visit www.Madimack.com.au

Heat Pump Sizes - WIth Pool Cover

Estimated unit size for pools WHEN A THERMAL COVER IS BEING USED and heated up to 28 degrees and max running times approximately 10 hours

Volume / Season x1000 Ltrs		Townsville	Brisbane	Coffs Harbour	Sydney	Perth	Adelaide	Melbourne	Hobart	Canberra
10	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW
	Oct-April	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW
	Sept-May	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW
	All-year	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW	13kW
20	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW	9kW
	Oct-April	9kW	9kW	9kW	9kW	9kW	9kW	9kW	13kW	13kW
	Sept-May	9kW	9kW	9kW	9kW	9kW	9kW	13kW	13kW	16kW
	All-year	9kW	9kW	13kW	13kW	13kW	13kW	16kW	20kW	24kW
30	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	9kW	13kW	9kW
	Oct-April	9kW	9kW	9kW	9kW	9kW	9kW	13kW	20kW	16kW
	Sept-May	9kW	9kW	13kW	13kW	13kW	16kW	20kW	20kW	24kW
	All-year	9kW	13kW	16kW	16kW	16kW	20kW	24kW	2 x 13kW	2 x 20kW
40	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	13kW	16kW	13kW
	Oct-April	9kW	9kW	9kW	13kW	13kW	13kW	16kW	24kW	24kW
	Sept-May	9kW	9kW	16kW	13kW	16kW	20kW	24kW	24kW	2 x 16kW
	All-year	13kW	16kW	20kW	24kW	24kW	24kW	2 x 16kW	2 x 16kW	2 x 24kW
50	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	13kW	20kW	16kW
	Oct-April	9kW	9kW	13kW	13kW	13kW	13kW	20kW	2 x 13kW	2 x 13kW
	Sept-May	9kW	13kW	20kW	16kW	20kW	24kW	2 x 16kW	2 x 16kW	2 x 20kW
	All-year	13kW	20kW	24kW	2 x 13kW	2 x 13kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 20kW
60	Nov-Mar	9kW	9kW	9kW	9kW	9kW	9kW	16kW	24kW	20kW
	Oct-April	9kW	9kW	13kW	13kW	16kW	16kW	24kW	2 x 16kW	2 x 16kW
	Sept-May	9kW	13kW	20kW	20kW	24kW	2 x 13kW	2 x 16kW	2 x 20kW	2 x 24kW
	All-year	13kW	24kW	2 x 13kW	2 x 16kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 16kW	3 x 24kW
70	Nov-Mar	9kW	9kW	9kW	9kW	9kW	13kW	20kW	2 x 13kW	20kW
	Oct-April	9kW	9kW	13kW	16kW	20kW	20kW	2 x 13kW	2 x 20kW	2 x 20kW
	Sept-May	9kW	16kW	24kW	24kW	2 x 13kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 20kW
	All-year	16kW	24kW	2 x 16kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 24kW
80	Nov-Mar	9kW	9kW	9kW	13kW	13kW	13kW	20kW	2 x 16kW	24kW
	Oct-April	9kW	9kW	16kW	20kW	20kW	24kW	2 x 16kW	2 x 24kW	2 x 24kW
	Sept-May	9kW	16kW	2 x 16kW	24kW	2 x 16kW	2 x 16kW	2 x 24kW	3 x 16kW	3 x 20kW
	All-year	20kW	2 x 16kW	2 x 20kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 24kW
90	Nov-Mar	9kW	9kW	9kW	13kW	13kW	13kW	24kW	2 x 16kW	2 x 16kW
	Oct-April	9kW	13kW	20kW	20kW	24kW	24kW	2 x 20kW	2 x 24kW	2 x 24kW
	Sept-May	9kW	20kW	2 x 16kW	2 x 13kW	2 x 20kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW
	All-year	20kW	2 x 16kW	2 x 24kW	2 x 24kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 20kW	N/A
100	Nov-Mar	9kW	9kW	9kW	13kW	13kW	16kW	2 x 13kW	2 x 20kW	2 x 16kW
	Oct-April	9kW	13kW	20kW	24kW	24kW	2 x 13kW	2 x 20kW	3 x 20kW	3 x 20kW
	Sept-May	13kW	24kW	2 x 16kW	2 x 16kW	2 x 20kW	2 x 24kW	3 x 20kW	3 x 24kW	4 x 20kW
	All-year	24kW	2 x 16kW	2 x 24kW	3 x 20kW	3 x 20kW	3 x 24kW	3 x 24kW	4 x 24kW	N/A

Heater sizes indicated above are selected from our Summer Eco range, the equivelant kW may be used throughout the full range
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 first startup from cold the heat pump will need to run for a longer period to reach the set temperature. Please see Madimack FAQ 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.

For a detailed heating evaluation including running costs, running times per month and more please visit www.Madimack.com.au

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