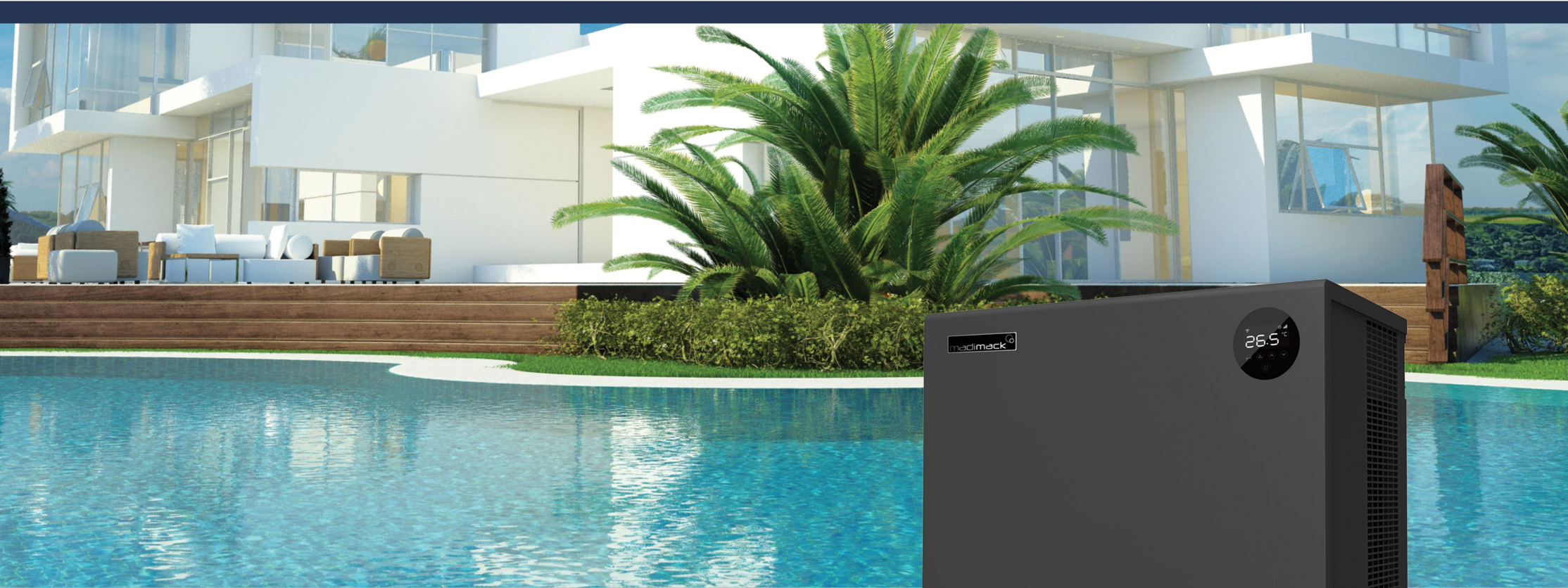


ELITE SILENT HEAT PUMP SERIES



Average-COP10
90% free energy

25^{YR}

25 year warranty



25% gas quota
of R410A






As quiet as a fridge



ELITE SILENCE

Thanks to the revolutionary air stream design & stepless DC inverter system of the latest technology, the sound level of Elite Silent Series is as low as the fridge.

 <p>Mitsubishi Twin-Rotary Inverter Compressor</p>	 <p>Stepless Comfort Speed Conversion</p>	 <p>DC Brushless Fan Motor</p>
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11 dB(A) lower than traditional on/off HP.



43 dB(A)
1m distance Fridge

Average Sound Level is 43dB(A) at 1 metre in front of the Elite Silent Series

UNIQUE SLAB DESIGN INVERTER

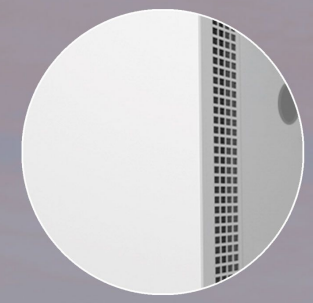


Simple Classic Touch Controller



Classic Aluminum-alloy Anti-Rusting

Garden Friendly Flat Surface Design



THE HIGH EFFICIENCY LOW CARBON FOOTPRINT HEATING OPTION



Average-COP 10

COP range 15.5-6.4 (air 27°C / water 27°C)

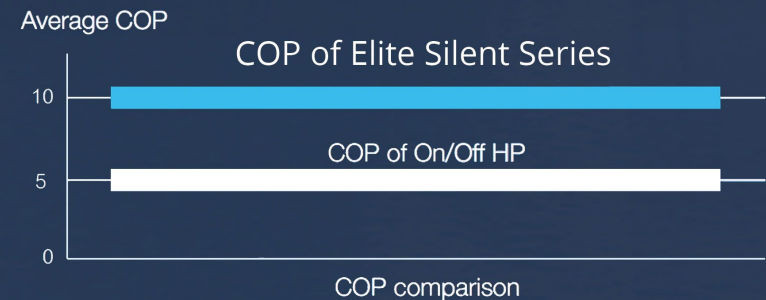
During warmer periods of the year, our heat pumps will run at 50% capacity in order to facilitate greater energy savings and a quieter pool environment.

90% free energy

Thanks to the Elite Silent Series, it provides average 90% free energy from ambient air.



Double energy savings than on/off HP



#1

Eco-friendly R32

32% GWP comparing to R410A
25% CO2 carbon consumption
25% quota cost



#2

Smart WI-FI Control

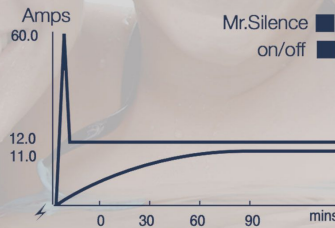
With the Elite Silent's Smart APP control you can check or control your Elite Silent Series.



#3

Full Protection on Electrical System

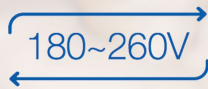
By leveraging a DC inverter compressor, the Elite Silent's functionality will operate systematically - without rushing into and overbearing your electrical systems.



#4

Wide Voltage Application

Intelligence self-adjustment functionality that enables the system to adapt to unstable power supply - ranging from 180V - 260V.



#5

Designed for down to Air - 10°C extend your pool season!

Capable of operating in extreme weather conditions - functional at temperatures as low as -10°C

-10° C




With the Elite Silent Series, enjoy a warm pool that operates silently, and offers greater energy savings!


TECHNOLOGY


Our technology is the most silent and energy saving inverter technology in the pool industry. It combines our unique air stream design and our backwards discharge outlet to eliminate every possible noise. This ensures the most silent performance for our customers. The average sound level is just 43dB(A) at one meter.

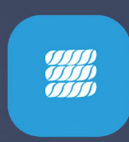
Moreover, it adopts the industry's leading efficient stepless DC inverter control system. With smart conversion of compressor, fan motor & pressure system, it provides amazing energy saving performance with Average-COP 10.

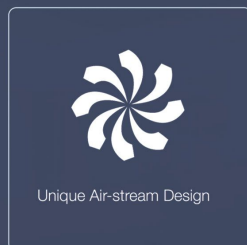
Features of the Elite Silent Series

 Mitsubishi DC Twin-Rotary Inverter compressor.

 Hot gas defrosting with Saginomiya 4-way valve for quick & efficient defrosting.

 EEV technology: 10 times flexibility to adjust the gas flow and increase the COP by up to 20%.

 Twisted titanium heat exchanger: 40% higher efficiency than normal titanium heat exchanger.



SPECIFICATIONS

Model	MS70	MS90	MS110	MS130	MS150	MS170	MS210	MS260	MS260S	
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%										
Heating capacity	KW	7.0	9.0	11.0	13.0	15.0	17.0	21.0	26.0	26.0
Average COP at 50% Speed		10.2	10.0	10.1	10.7	10.6	10.0	10.3	10.3	10.3
COP Range		6.6~15.2	6.6~15.0	6.4~15.0	7.0~15.2	6.6~15.0	6.5~15.1	6.4~15.0	6.5~15.5	6.8~15.5
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%										
Heating capacity	KW	5.0	6.3	7.7	9.0	10.5	11.5	14.5	17.0	17.0
COP Range		4.6~7.3	4.7~7.0	4.5~7.5	4.8~8.0	4.7~7.7	4.4~7.8	4.4~7.1	4.6~7.5	4.8~7.5
TECHNICAL SPECIFICATIONS										
Advised pool volume	m3*	15~30	20~45	30~55	35~65	40~70	40~80	50~95	60~120	60~120
Operating air temperature	°C	-10°C~43°C								
Compressor		Twin-rotary Mitsubishi DC compressor								
Casing		Aluminum Alloy casing and Inner Metal Frame								
Heat exchanger		Twisted Titanium Heat Exchanger								
Power supply		230V 1ph								400V 3ph
Rated input power		0.24~1.03	0.30~1.3	0.35~1.52	0.41~1.79	0.46~2.2	0.53~2.27	0.65~2.79	0.79~3.37	0.79~3.37
Rated input current	A	1.03~4.63	1.3~7.0	1.52~8.3	1.79~9.79	2.01~12.8	2.27~12.05	2.69~14.90	3.46~18.05	1.15~6.01
Maximum input current	A	6.5	8.3	11.7	12.5	14.5	15.7	19.5	23.6	7.86
Power cord	mm ²	3×1.5	3×1.5	3×2.5	3×2.5	3×2.5	3×2.5	3×4	3×6	5×2.5
Sound level 50% at 1m db	A	40	41	43	43	44	44	45	47	47
Sound level 50% at 10m db	A	20	21	21	23	23	24	25	25	25
Advised water flux	m ³ /h	2~4	2~4	3~5	4~6	5~7	6~8	8~10	10~12	10~12
Water connection	mm	50								
Net Weight	kg	42	47	49	52	55	60	68	78	78



Remarks:

- *The data above is only a reference. For specific data, please refer to the nameplate on the unit.
- *Advised pool volume applies to a private pool with an isothermal cover, from October to April.
- *4 year warranty for Mitsubishi twin rotary compressor.
- *4 year warranty for all general parts.
- *25 Year warranty for twisted aluminium heat exchanger.