

SIMPLE SILENCE



Mr. Silence

Artnet HandelsgmbH

Address: Viktor- Kaplan-Strasse 4
8750 Judenburg
Osterreich, Austria

03572/42500-208



25% gas
quota of R410a



Average-COP 10
90% free energy



Quiet as a fridge

SILENCE TO RELAX YOUR MIND
HIGH COP TO SAVE ENERGY COST



INVERQUARK TECHNOLOGY

Inverquark is the most silent & saving inverter technology in the pool industry. It combines Aquark's unique air-stream design which eliminate every possible noise to ensure the most silent performance for customer. The average sound level is 43dB(A) at 1 meter.



Unique Air-Stream Design



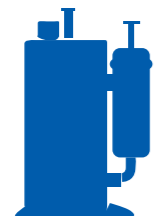
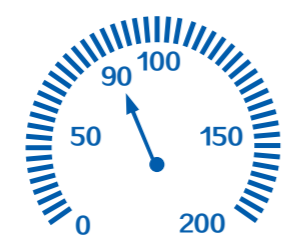

Stepless DC inverter

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.

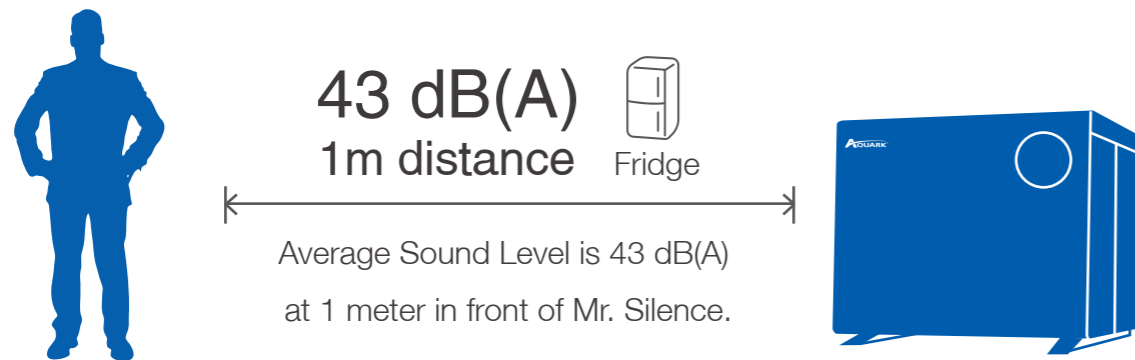


SIMPLE SILENCE

Thanks to the revolutionary air-stream design & stepless DC inverter system of Inverquark technology, the sound level of Mr. Silence is as low as a fridge.

 <p>Mitsubishi Twin-Rotary Inverter Compressor</p>	 <p>Stepless Comfort Speed Conversion</p>	 <p>DC Brushless Fan Motor</p>
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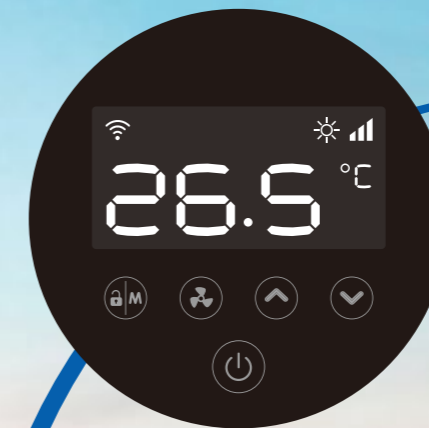
12dB(A) lower than traditional on/off HP.



43 dB(A)
1m distance

Average Sound Level is 43 dB(A) at 1 meter in front of Mr. Silence.

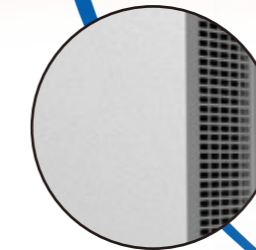
UNIQUE SLAB DESIGN INVERTER



Simple Classic Touch Controller



Garden Friendly Flat Surface Design



Classic Aluminum-Alloy Anti-Rusting



THE LOW CARBON FOOTPRINT REDUCE 90% OF YOUR ENERGY BILL



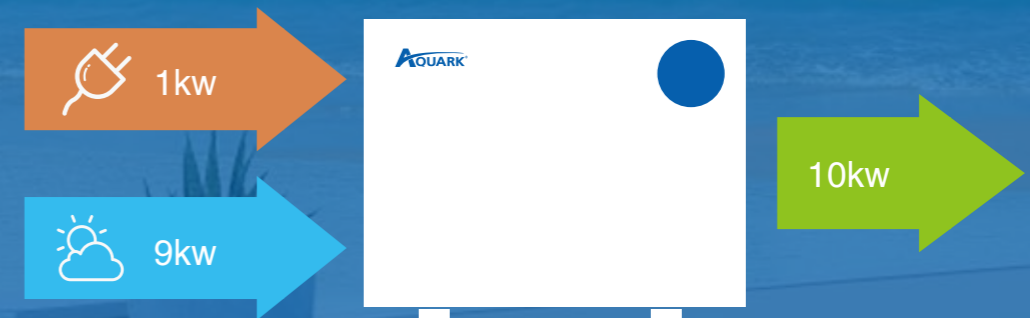
Average-COP 10

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

When maintaining pool temperature at 95% of pool season, the HP is running by 50% capacity which leads to the best energy saving performance and most silent pool environment.

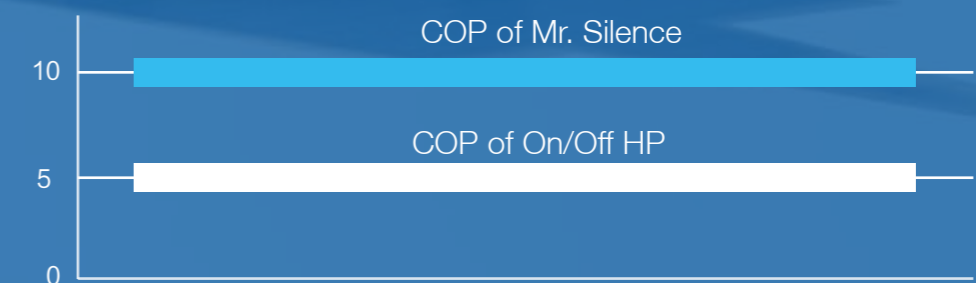
90% free energy

Thanks to Inverquark technology, Mr. Silence provides average 90% free energy from ambient air.



Double energy saving than on/off hp.

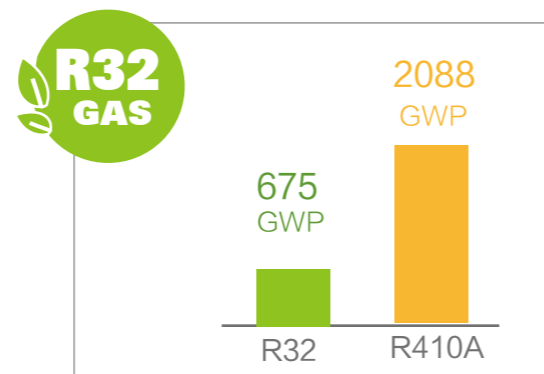
Average COP



COP comparison

1 Eco-friendly R32

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



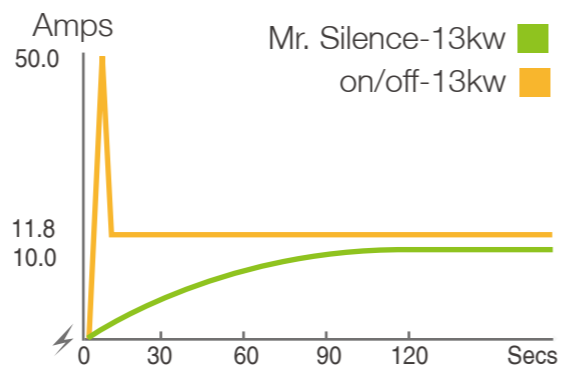
2 Smart WIFI Control (Optional)

With Mr. Silence's smart APP control you can check or control your Mr. Silence anywhere.



3 Full Protection on Electrical system

By DC inverter compressor, Mr.Silence will start from 0 Amps to rated Amps steadily. There is no rush to the house electricity system.



4 Wide Voltage Application

Self-adjustment to fit in unstable power supply, therefore voltage range can be 180~260V.



180~260V



Mr. Silence provides you Simple, Saving and Silent Warm Pool

5

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

 -10°C



Features of Mr. Silence

Mitsubishi
DC

DC Twin-Rotary Inverter compressor of Mitsubishi.

EEV

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



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



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

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
COP Range	14~6.6	14~6.6	14~6.4	14.5~6.6	15~6.6	15~6.5	14.8~6.4	15~6.5	15~6.8
Average COP at 50% Speed	10.2	10.0	10.1	10.3	10.6	10.2	10.3	10.3	10.3
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	7.3~4.4	7.0~4.4	7.5~4.5	7.5~4.5	7.7~4.6	7.8~4.6	7.1~4.6	7.5~4.6	7.5~4.6
Average COP at 50% Speed	6.3	6.2	6.3	6.3	6.4	6.2	6.3	6.3	6.3
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 (kW)	0.14~1.14	0.19~1.43	0.21~1.71	0.25~2.0	0.29~2.28	0.29~2.5	0.41~3.15	0.51~3.7	0.51~3.7
Input power at 50% Speed (kW)	0.4	0.51	0.61	0.71	0.82	0.93	1.15	1.35	1.35
Rated input current (A)	0.62~5.17	0.84~6.51	0.97~7.78	1.15~9.09	1.30~10.38	1.34~11.36	1.86~14.33	2.3~16.8	0.73~5.33
Maximum input current (A)	6.5	8.3	11.7	12.5	14.5	15.7	19.5	23.6	7.86
Power cord (mm²)	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 at 1m dB(A)	36.5~46.0	36.8~46.2	36.6~47.9	40.1~48.7	39.3~52	41.1~51.8	38.9~52.2	41.5~52.9	41.5~52.9
Sound level 50% at 1m dB(A)	39.2	39.4	41.3	43.7	44	44.5	44.4	46.4	47
Sound level at 10m dB(A)	16.5~26.0	16.8~26.1	16.6~27.9	20.1~28.7	19.3~32	21.1~31.8	18.9~32.2	21.5~32.9	21.5~32.9
Advised water flux (m³/h)	2~4	2~4	3~5	4~6	5~7 50	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 isothermal cover, from April to September.