

SIMPLE SILENCE



Mr. Silence

INVERPAD



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Address: Rafael Cañas 192 oficina 1, Providencia, Santiago. Chile



25% gas
quota of R410a



Average-COP 10.7
90% free energy



Quiet as a fridge

SILENCE TO RELAX YOUR MIND
HIGH COP TO SAVE ENERGY COST



INVERPAD TECHNOLOGY

Inverpad is the most silent & saving inverter technology in the pool industry. It combines 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




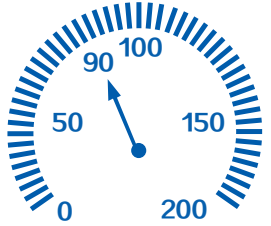

Stepless DC inverter

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 Inverpad technology, the sound level of Mr. Silence is as low as a fridge.

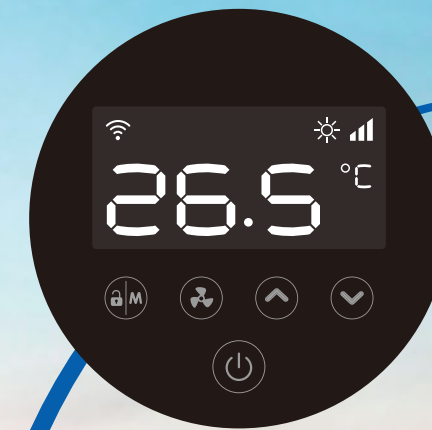
| | | |
|--|---|--|
|  <p>Mitsubishi Twin-Rotary Inverter Compressor</p> |  <p>Stepless Comfort Speed Conversion</p> |  <p>DC Brushless Fan Motor</p> |
|--|---|--|

12dB(A) lower than traditional on/off HP.

40 dB(A)
1m distance

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

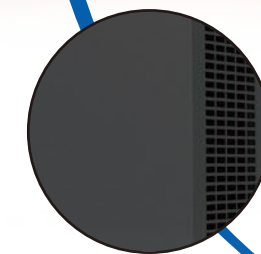
UNIQUE SLAB DESIGN INVERTER



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 10.7

COP range 15.8-7.0 (air 27 °C / water 27°C)

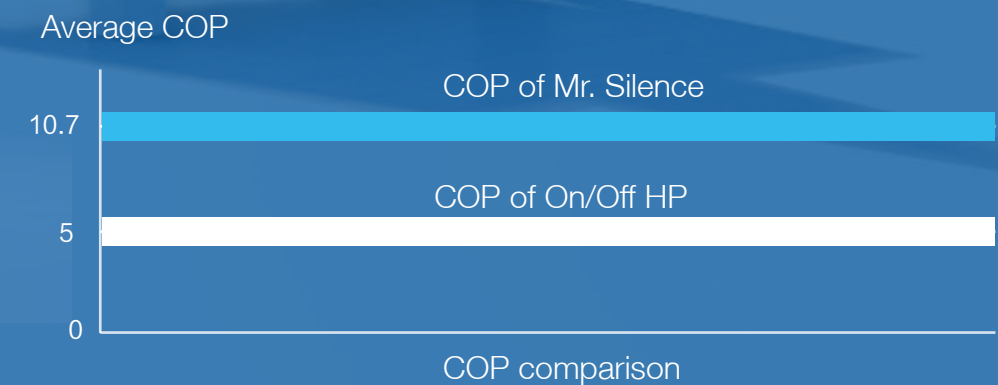
When maintaining pool temperature at 95% of pool season, the HP is running by 50% capacity which leads to the best energy saving performance and most silent pool environment.

More than 90% free energy

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

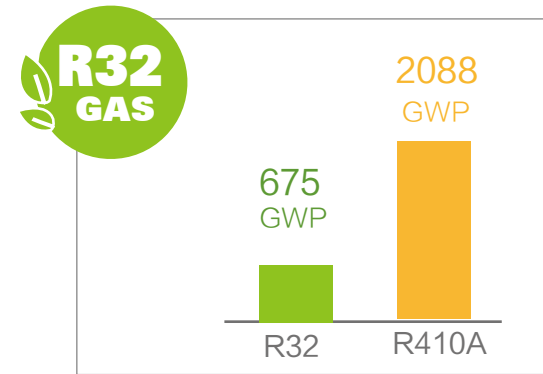


Double energy saving than on/off hp.



1 Eco-friendly R32

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



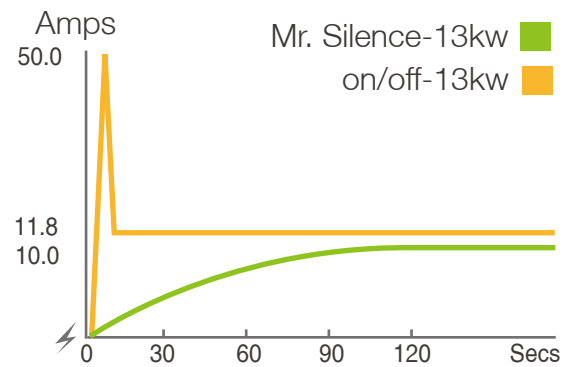
2 Smart WIFI Control (Optional)

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

 DC Twin-Rotary Inverter compressor of Mitsubishi.

 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 | MS280 | MS280S | MS350S |
|---|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80% | | | | | | | | | | |
| Heating capacity (kW) | 7.0 | 9.0 | 11.0 | 13.0 | 15.0 | 17.5 | 21.0 | 28.0 | 28.0 | 35.2 |
| COP Range | 14~7.2 | 14~7.2 | 14~7 | 14.5~7.0 | 15~7 | 15.6~7 | 14.8~7.1 | 16~7.2 | 15.8~7.1 | 15.5~7 |
| Average COP at 50% Speed | 10.5 | 10.5 | 10.3 | 10.5 | 11.0 | 11.0 | 11.0 | 11.1 | 10.8 | 10.5 |
| PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70% | | | | | | | | | | |
| Heating capacity (kW) | 5.0 | 6.6 | 7.7 | 9.0 | 10.5 | 12.5 | 14.5 | 19.0 | 19.0 | 24.2 |
| COP Range | 7.3~4.5 | 7.5~4.8 | 7.3~4.7 | 7.5~5 | 7.7~4.9 | 7.7~5.0 | 7.1~5.0 | 8~5.0 | 8~5.0 | 7.5~5.0 |
| Average COP at 50% Speed | 6.5 | 6.5 | 6.6 | 6.4 | 6.8 | 6.6 | 6.6 | 6.6 | 6.5 | 6.6 |
| TECHNICAL SPECIFICATIONS | | | | | | | | | | |
| Advised pool volume (m ³) * | 15~30 | 20~45 | 30~55 | 35~65 | 40~70 | 40~80 | 50~95 | 60~120 | 60~120 | 85~160 |
| 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) | 0.14~1.12 | 0.19~1.38 | 0.22~1.64 | 0.26~1.8 | 0.28~2.15 | 0.33~2.50 | 0.38~2.90 | 0.49~3.80 | 0.49~3.80 | 0.65~4.84 |
| Input power at 50% Speed (kW) | 0.38 | 0.51 | 0.58 | 0.7 | 0.77 | 0.95 | 1.1 | 1.44 | 1.46 | 1.84 |
| Rated input current (A) | 0.61~4.83 | 0.83~5.98 | 0.96~7.13 | 1.13~7.83 | 1.22~9.32 | 1.44~10.9 | 1.66~12.7 | 2.15~16.53 | 0.71~5.51 | 0.95~7.01 |
| Maximum input current (A) | 7.5 | 8.5 | 10 | 12 | 13.5 | 15 | 17 | 20 | 7 | 9.5 |
| Power cord (mm ²) | 3X1.5 | 3x2.5 | 3x2.5 | 3x2.5 | 3x2.5 | 3x4 | 3x4 | 3x6 | 5x2.5 | 5X2.5 |
| 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 | 40.6~52.6 |
| Sound level 50% at 1m dB(A) | 39.2 | 39.4 | 41.3 | 43.7 | 44 | 44.5 | 44.4 | 46.4 | 47 | 46.1 |
| 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 | 20.6~32.6 |
| Advised water flux (m ³ /h) | 2~4 | 2~4 | 3~5 | 4~6 | 5~7 | 6~8 | 8~10 | 10~12 | 10~12 | 12~18 |
| Water connection (mm) | 50 | | | | | | | | | |
| Net weight (kg) | 52 | 53 | 55 | 57 | 61 | 66 | 72 | 91 | 96 | 130 |
| Net dimension LxWxH (mm) | 890*440*658 | 890*440*658 | 890*440*658 | 890*440*658 | 970*440*658 | 1060*440*658 | 1060*440*758 | 1060*440*958 | 1060*440*958 | 1365*544*958 |
| Qty per 20'FT / 40'HQ (sets) | 78/174 | 78/174 | 78/174 | 78/174 | 75/162 | 72/150 | 48/100 | 48/100 | 48/100 | 14/32 |

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.