



HEAT PUMP

Invertor heat pump

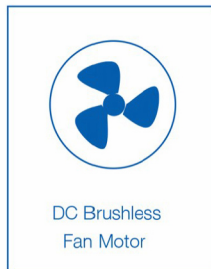
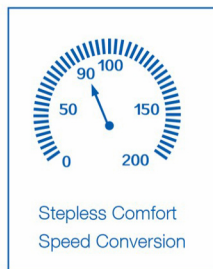


Classic Aluminium - Alloy
Anti - Rusting Body

Simple Classic
Touch Controller

Garden Friendly Flat
Surface Design

Features of Mr. Silence



EEV

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



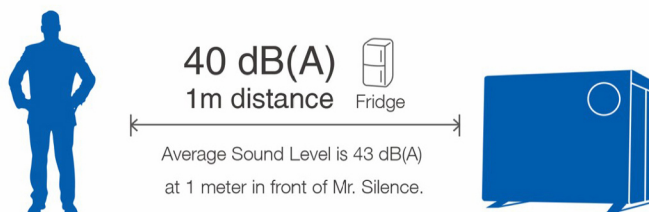
Hot gas defrosting with Saginomiya
4-way valve for quick & efficient
defrosting



Twisted titanium heat exchanger:
40% higher efficiency than normal ti-
tanium heat exchanger

Eco-friendly R32	Smart WIFI Control	Full Protection on Electrical system	Wide Voltage Application
32% GWP comparing to R410A 25% CO2 carbon consumption 25% quota cost	With Mr.Silence's smart APP control you can check or control your Mr.Silence anywhere	By DC Invertor compressor, Mr.Silence will start from 0 Amps to rated Amps steadily. There is no rush to the house electricity system	Self-adjustment to fit in unstable power supply, therefore voltage range can be 180-260V

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



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



HEAT PUMP

Model	AS70I	AS90I	AS110I	AS130I	AS150I	AS170I	AS210I	AS280I	AS280SI	AS350SI
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 (m3) *	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	Aluminium 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 (mm²)	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 (m³/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

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.

**THE LOW CARBON FOOTPRINT REDUCE
90% OF YOUR ENERGY BILL**