

HEAT PUMP

Invertor Heat Pump

Eco-friendly R32

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

Smart WIFI Control

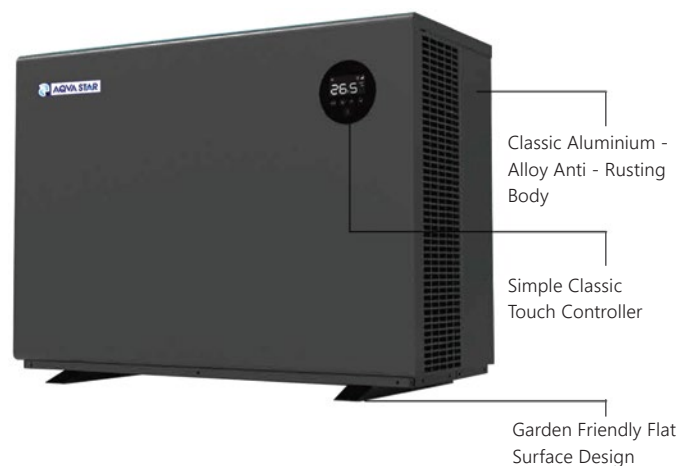
With Mr. Silence's smart APP control you can check or control your Mr. Silence anywhere

Full Protection on Electrical system

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

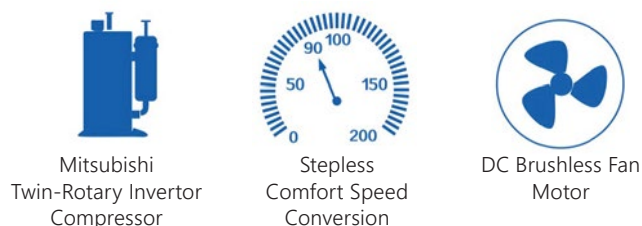
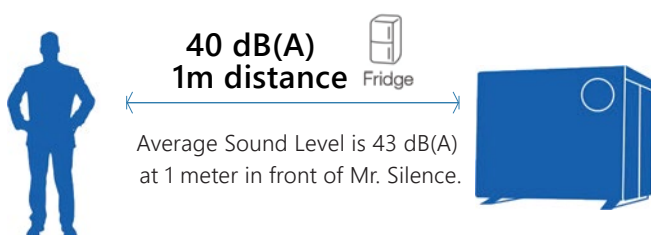
Wide Voltage Application

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



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

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 titanium heat exchanger

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

HEAT PUMP

Technical Specification

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 (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

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**