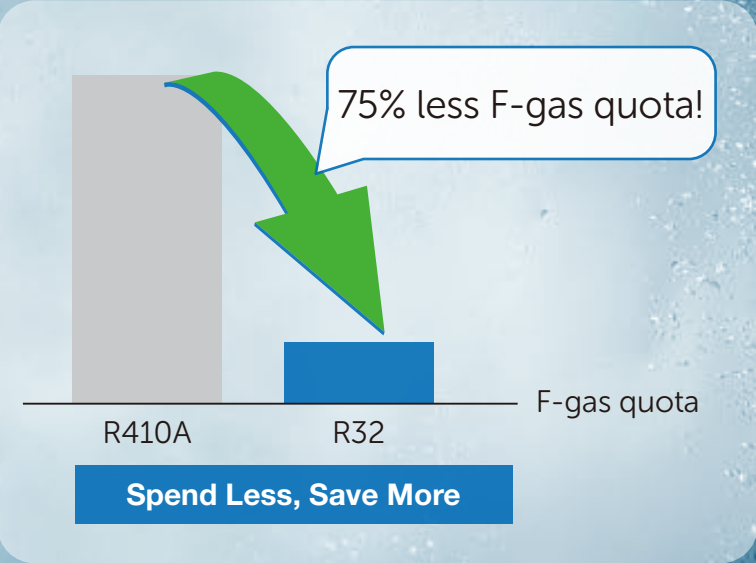


# Aqua-Inverter mini



## R32, More Eco-friendly

R32 HP is a low GWP refrigerant of 675, it can reduce 75% of global warming gas emissions, providing a lower carbon release than most other HFCs.



## What is Aqua-Inverter mini ?

Comfortline Inverter is powered by inverter compressor, it can adjust heating capacity from 20% to 100% intelligently according to different heating demands.

When season starts and heating demand is high, the Comfortline Inverter runs at 100% compressor & fan speed for fast heating.

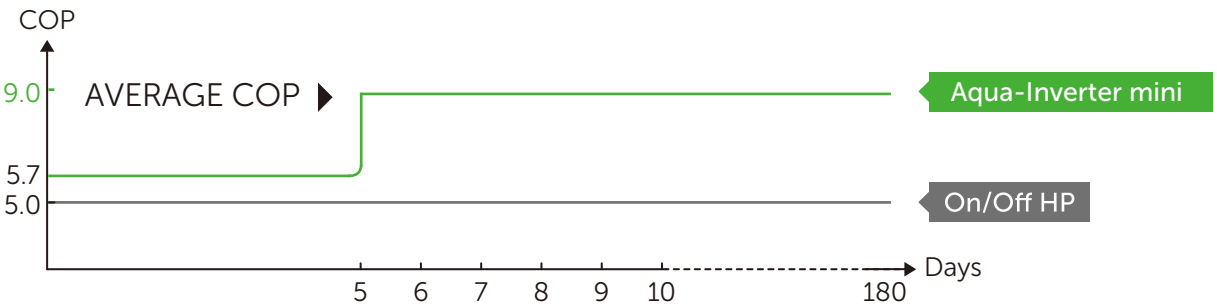
When maintaining the pool temperature, the Comfortline Inverter runs at low speed for energy saving with higher COP.

### 1 AVERAGE COP 9 (Air 26°C / Water 26°C / Humidity 80%)

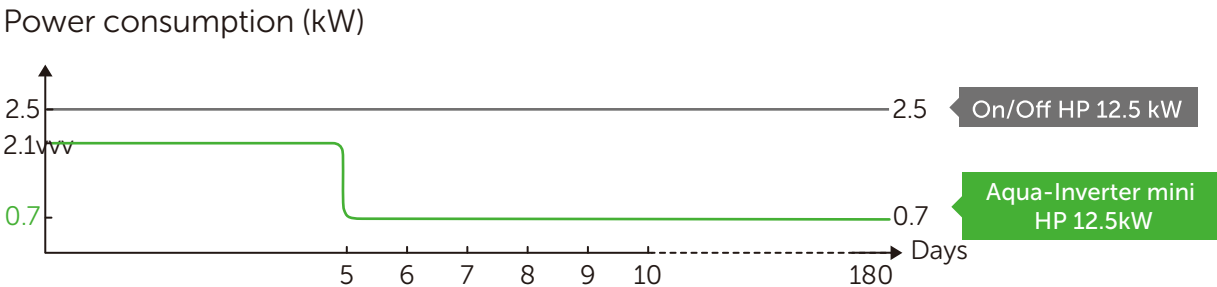
Aqua-Inverter mini AVERAGE COP is 9 at Air 26°C/ Water 26°C/ Humidity 80%, which means 1kW electricity consumption can provide up to 9kW heat in return. While On/Off HP can only provide 5kW heat as its COP is just around 5.

Capacity \ Model	AMIR06	AMIR10	AMIR13
20% capacity	9.5	9.5	10.5
AVERAGE 50% capacity	8.5	8.3	9.2
100% capacity	5.9	5.7	5.9

Aqua-Inverter mini vs On/Off HP (in 180 days pool season)

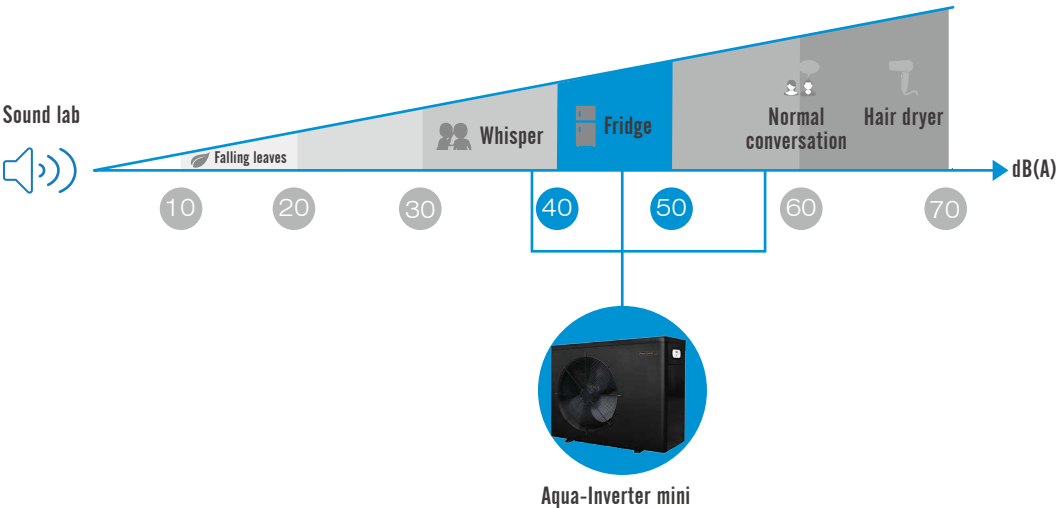


◆ AVERAGE power consumption (in 180 days pool season)  
(e.g. 12.5kW at Air 26°C/ Water 26°C/ Humidity 80%)



## 2 7 Times Quieter

Thanks to quiet DC inverter compressor, low-speed running philosophy of compressor & fan motor, Aqua-Inverter mini can offer you super quiet operation by 7dB(A) lower sound pressure at AVERAGE 50% capacity.



## 3 Other Advantages

- ◆ Spiral titanium heat exchanger  
Enlarge 30% heat exchanging surface



- ◆ HP-BOOSTER technology  
Enable COP 20% higher than On/Off HP in the market



- ◆ Saginomiya 4-way valve  
Fast defrosting



## 4 WiFi opcional

Control your heat pump anyt  
ime and anywhere



## AQUA-INVERTER MINI SPECS

Model	AMIR06	AMIR10	AMIR13
Advised pool volume (m³)	14~28	20~40	30~55
Operating air temperature (°C)	0~43		
Performance Condition: Air 26°C/ Water 26°C/ Humidity 80%			
Heating capacity (kW)	6.0	9.5	12.5
COP	9.5~5.9	9.5~5.7	10.5~5.9
COP at 50% capacity	8.5	8.3	9.2
Performance Condition: Air 15°C/ Water 26°C/ Humidity 70%			
Heating capacity (kW)	4.3	7.0	9.0
COP	5.9~4.4	6.0~4.3	5.9~4.2
COP at 50% capacity	5.8	5.6	5.8
Sound pressure at 1m dB(A)	38.8~50.2	40.6~52.5	42.9~53.0
Sound pressure of 50% capacity at 1m dB(A)	42.8	45.8	48.5
Sound pressure at 10m dB(A)	18.8~30.2	20.6~32.5	22.9~33.0
Heat exchanger	Spiral titanium tube in PVC		
Casing	Metal casing with plastic coating		
Rated input power at air 15°C (kW)	0.29~1.0	0.35~1.6	0.36~2.1
Rated input current at air 15°C (A)	1.26~4.2	1.52~7.0	1.57~8.7
Max input current (A)	6.0	9.5	12.5
Circuit breaker (A)	8.0	11.5	15.0
Power cord (mm²)	3×1.5	3×2.5	3×2.5
Power supply	230V/1 Ph/50Hz		
Advised water flux (m³/h)	2~4	3~4	4~6
Water pipe in-out size (mm)	48		
Gas (g)	400	600	900
GWP	675		
CO2 equivalent (tonnes)	1.15	1.67	2.09
Net dimension L×W×H (mm)	744×349×648	864×359×648	864×359×648
Net weight (kg)	42	47	49
Qty per 20'FT / 40'HQ (sets)	114/252	102/216	102/216

\* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;  
\* Above data is subject to modification without further notice.



Ambassador Pools & Leisure Ltd