IHP inverter heat pump

HIGH COP TO SAVE ENERGY COST
Provides you a simple saving and silent warm pool
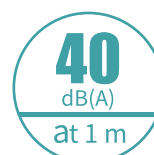
SIMPLE
SILENCE

e Emaux
water technology

Product **Features**

R32

25% gas
quota of R410a

40
dB(A)
at 1 m

Quiet as a fridge

Stepless
**DC**
Inverter

Average COP 10.7
93% free energy

HIGH COP TO
SAVE ENERGY COST

Industry leading efficient stepless DC inverter control system. With smart conversion of compressor, fan motor and pressure system, it provides amazing energy saving performance with max COP of 16.1.
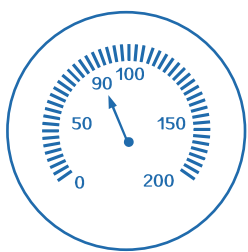
INVERPAD TECHNOLOGY

More than 93% free energy | Thanks to the InverPad technology, the inverter provides an average of 93% free energy from ambient air.
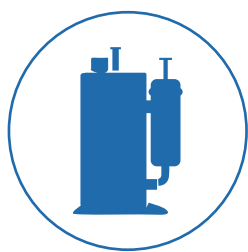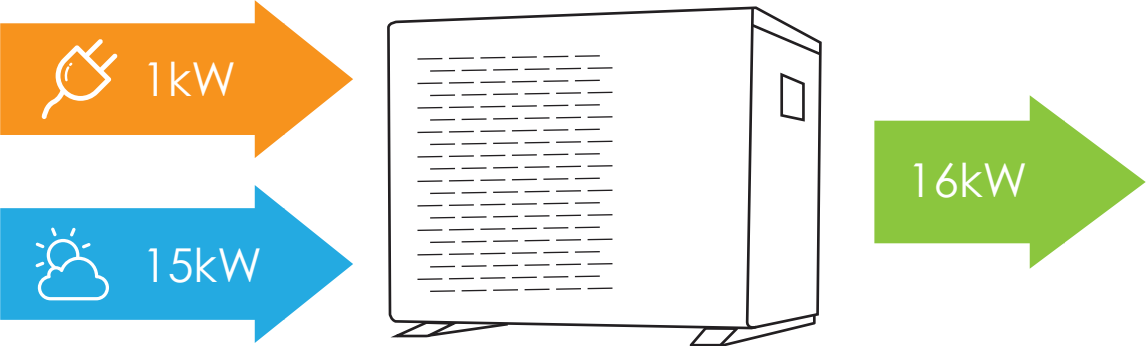
Mitsubishi Twin-Rotary
Inverter Compressor

Stepless Comfort
Speed Conversion

DC Brushless
Fan Motor

1kW

15kW

16kW

Product **Features**

SWIMMING POOL HEATING

## Advanced Heat Pump Technology

Not only is the unit designed with superior appearance, but also powerful performance. With mature inverter technology combined with the adoption of Mitsubishi compressor, the unit can maintain high COP at 16 while running silently, which create wonderful swimming atmosphere for you!

DC **Full Inverter** **INVERTER**

HIGH **COP 16.0** **COP**

HEATING **COOLING**

SILENCE TO RELAX YOUR MIND

Low Noise Running

A fully enclosed cabinet is specially designed for the compressor so that the running noise can be kept inside and the noise of the whole unit can maintain very low.
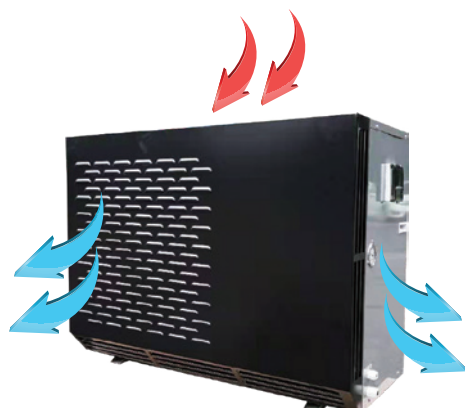
Double-side Airflow Outlet

The unit uses double-side airflow cabinet which through years of application in the market is proven to be highly efficient in heat exchange and outstandingly silent during operation.
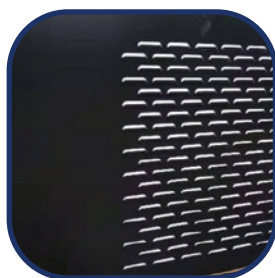
Optional Noise Absorbing Cover

On the cabinet, the lively interplay of sheet metal surfaces combined with irregular shaped pattern is reminiscent of a high-performance swimming pool heat pump products. More importantly, noise absorption cover effectively reduces 8dB(A).

UNIQUE PAD DESIGN INVERTER

Original Italian
Carel Controller

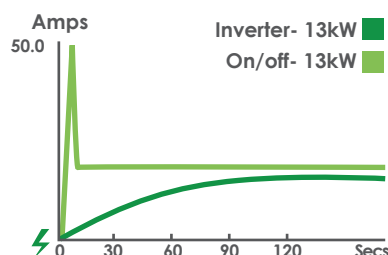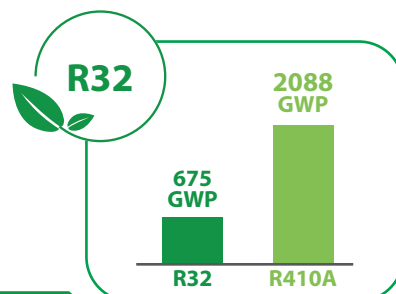Optional Noise
Absorbing Cover

Garden Friendly Flat
Surface Design

PROVIDES YOU A SIMPLE SAVING AND SILENT WARM POOL

Eco-friendly R32

32% GWP, 25% CO_2 carbon consumption & 25% quota cost comparing to R410A.

R32

675 GWP	2088 GWP
R32	R410A

Full Protection on Electrical system

With a DC inverter compressor, inverter will start from 0 amps and increase steadily. There is no rush to the house electricity system.

Amps
50.0

Inverter- 13kW
On/off- 13kW

0   30   60   90   120   Secs

Wide Voltage Application

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

180V~260V
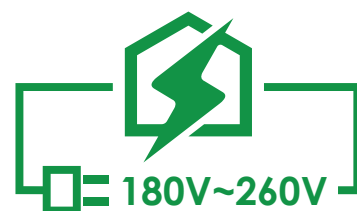
Extend your pool season!

Designed for down to Air -15°C Operation

-15°C

Inverter Pool Heat Pump

Inverter technology makes swimming pool heat pump achieve an extremely high COP, comparing with normal heat pump in the market.
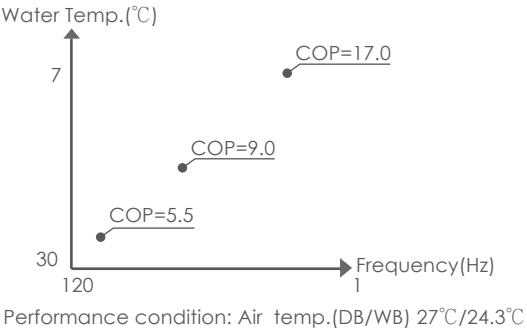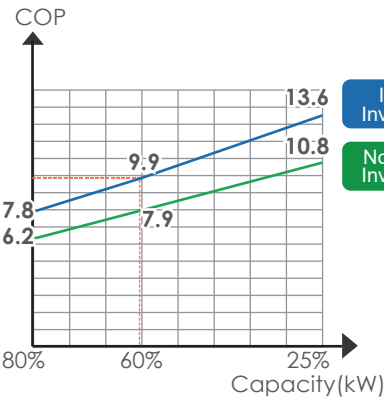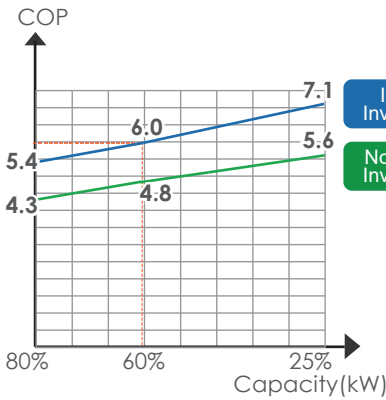
Besides, the heating time is much shorter. It greatly enables you to enjoy swimming without a long waiting time.
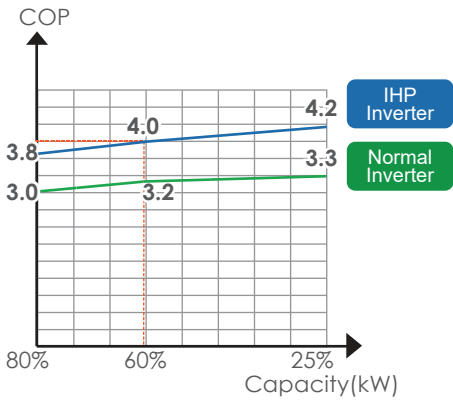
Water Temp.(℃)

7

COP=17.0

COP=9.0

COP=5.5

30
120

Frequency(Hz)
1

Performance condition: Air temp.(DB/WB) 27℃/24.3℃

Maintain High COP in Different Ambient Conditions

COP

13.6

IHP Inverter

9.9

10.8

Normal Inverter

7.8

7.9

6.2

80%   60%   25%

Capacity(kW)

Performance condition:
Air27℃/Water26℃/Humidity80%

COP

7.1

IHP Inverter

6.0

5.6

5.4

Normal Inverter

4.3

4.8

80%   60%   25%

Capacity(kW)

Performance condition:
Air15℃/Water26℃/Humidity70%

COP

4.2

IHP Inverter

4.0

3.8

3.3

Normal Inverter

3.0

3.2

80%   60%   25%

Capacity(kW)

Performance condition:
Air2℃/Water26℃/Humidity80%

Save Energy and Speed up Heating Time

Power Consumption

ON/OFF HP

Normal Inverter

IHP Inverter

Heating time

ON/OFF HP

Normal Inverter
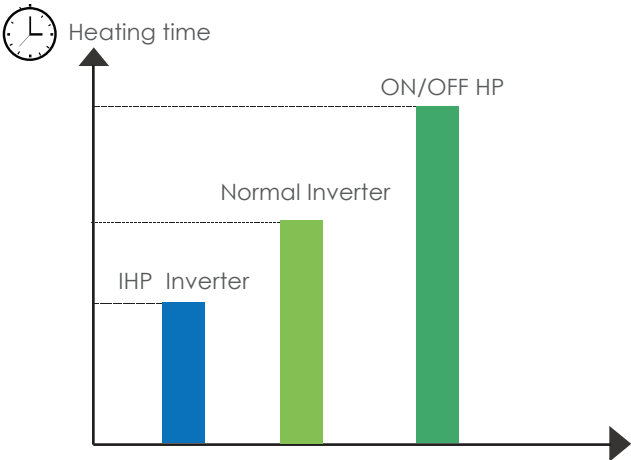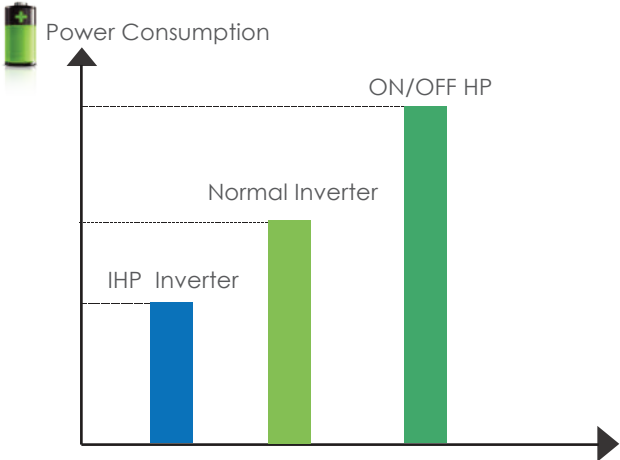
IHP Inverter

With short heating time, users don't need to wait for a long time before enjoying swimming. In the mean while, it saves more energy than ON/OFF heat pump and normal inverter heat pump.

DC Inverter Swimming Pool Heat Pump (Carel Technology)

- Italy Advanced DC Inverter Technology Supply Smoothness Control
- Japanese Tech DC Inverter Compressor And Titanium Heat Exchanger
- Ice Defrosting, System Pressure, Water Flow Switch Protection Functions Make Product Safety
- The Intelligent EEV Control, Supply Accurate Control and High COP
- Combined with Pressure Sensor Supply Much Accurate Control

Product Information

Code	Model	Heating capacity in A27°C/W27°C (kW)	COP Range	Heating capacity in A15°C/W26°C (kW)	COP Range	Operating Temp.	Heating Input Power (kW)	Rated Heating Running Current (A)	Cooling Capacity (KW)	Cooling Input Power (kW)	Cooling Running Current (A)	Power Supply (V/Ph/Hz)	Water Flow Volume (m³)	Noise (Min-Max) dB(A)	Water Connections (mm)
9318662-022	IHP13	3.5-13.5	6-16	2-9.5	4.5-8	-15°C	0.22-2.2	1-10	1.8-5	0.4-1.4	1-9	220-230V/1Ph/50Hz	4-7	42-50	50/48.3
9318662-023	IHP18	4.5-18	6-16	2.5-12	4.5-8	-15°C	0.35-3.2	1.8-15	4.5-8	1-2.3	1.5-14	220-230V/1Ph/50Hz	5-8	42-50	50/48.3
9318662-024	IHP21	5-21	6.1-16.1	3-14.5	4.6-8.1	-15°C	0.4-3.4	1.8-15.5	5-10	1.1-3.4	1.5-14.5	220-230V/1Ph/50Hz	5-8	42-52	50/48.3
9318662-025	IHP26	7-26	6-15.5	4-18	4.5-8.1	-15°C	0.5-4.3	2.3-21	5.5-11	1.3-3.9	2-19	220-230V/1Ph/50Hz	5-8	43-53	50/48.3
9318662-002	IHP36	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	3.4-27.3	6.5-14	1.4-7.4	3-26.5	220-230V/1Ph/50Hz	6-10	46-54	50/48.3
9318662-026	IHP36S	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	1.3-10.7	6.5-14	1.4-7.4	1-10	380-415V/3Ph/50Hz	6-10	46-54	50/48.3

Product Dimensions

Code	Model	Net weight (KG)	Gross weight (KG)	Net dimensions (without front cover) (mm)	Packing dimensions (without front cover) (mm)	Net dimensions (with front cover) (mm)	Packing dimensions (with front cover) (mm)
9318662-022	IHP13	50	58	970*370*650	1170*415*800	970*470*650	1170*515*800
9318662-023	IHP18	55	63	970*370*650	1170*415*800	970*470*650	1170*515*800
9318662-024	IHP21	75	85	1115*430*850	1200*520*990	1115*530*850	1200*620*990
9318662-025	IHP26	78	88	1115*430*850	1200*520*990	1115*530*850	1200*620*990
9318662-002	IHP36	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500
9318662-026	IHP36S	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500

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