

## 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)	Noise (Min-Max) dB(A)	Water Connections (mm)
31000001	IHP13	3.5-13.5	6-16	2-9.5	4.5-8	-15°C	0.22-2.2	1-10	42-50	50/48.3
31000002	IHP18	4.5-18	6-16	2.5-12	4.5-8	-15°C	0.35-3.2	1.8-15	42-50	50/48.3
31000003	IHP21	5-21	6.1-16.1	3-14.5	4.6-8.1	-15°C	0.4-3.4	1.8-15.5	42-52	50/48.3
31000004	IHP26	7-26	6-15.5	4-18	4.5-8.1	-15°C	0.5-4.3	2.3-21	43-53	50/48.3
31000005	IHP36	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	3.4-27.3	46-54	50/48.3
31000006	IHP36S	9-36	6-16	6-24	4.5-8	-15°C	0.75-6	1.3-10.7	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)
31000001	IHP13	50	58	970*370*650	1170*415*800	970*470*650	1170*515*800
31000002	IHP18	55	63	970*370*650	1170*415*800	970*470*650	1170*515*800
31000003	IHP21	75	85	1115*430*850	1200*520*990	1115*530*850	1200*620*990
31000004	IHP26	78	88	1115*430*850	1200*520*990	1115*530*850	1200*620*990
31000005	IHP36	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500
31000006	IHP36S	120	135	1115*430*1350	1200*520*1500	1115*530*1350	1200*620*1500

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## 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

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**NEW**

# Product Features



25% gas quota of R410a



Quiet as a fridge



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.

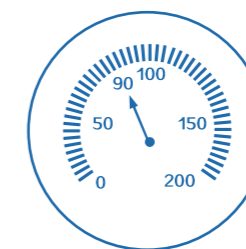
## INVERPAD TECHNOLOGY

More than 93% free energy

Thanks to the InverPad technology, the inverter provides an average of 93% free energy from ambient air.



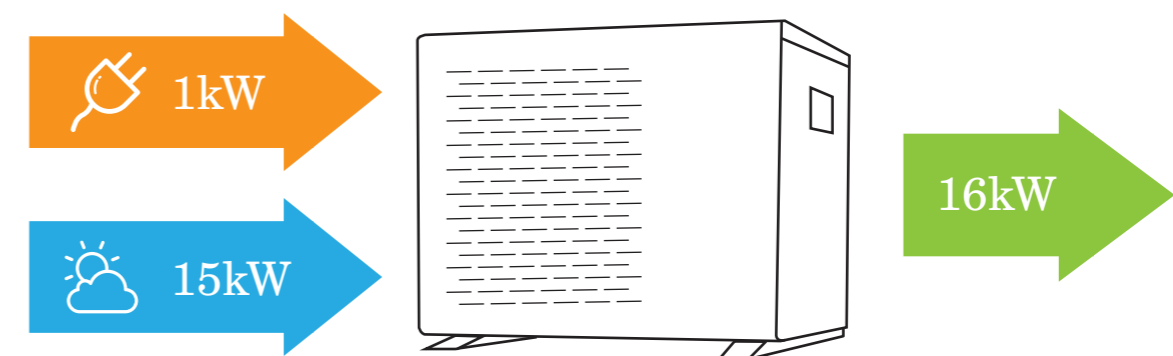
Mitsubishi Twin-Rotary Inverter Compressor



Stepless Comfort Speed Conversion



DC Brushless Fan Motor



# 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!



## 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.

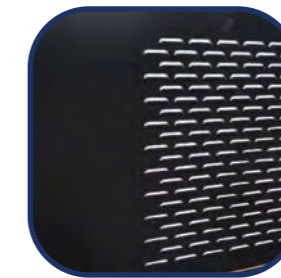
### Optional Noise Absorbing Cover

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

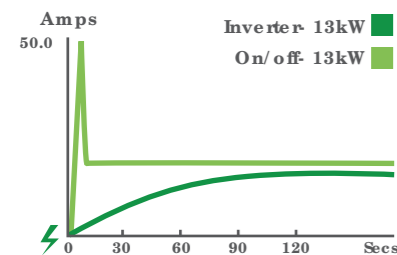
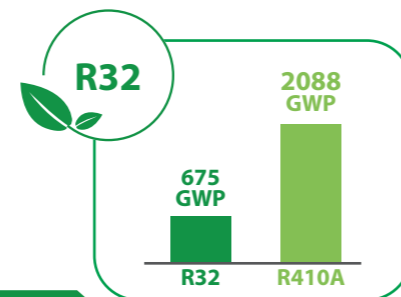


Garden Friendly Flat Surface Design

# PROVIDES YOU A SIMPLE SAVING AND SILENT WARM POOL

## Ec o - friendly R32

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

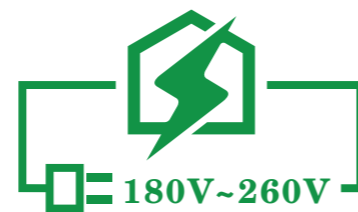


## Full Protection on Electrical system

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

## Wide Voltage Application

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



## Extend your pool season!

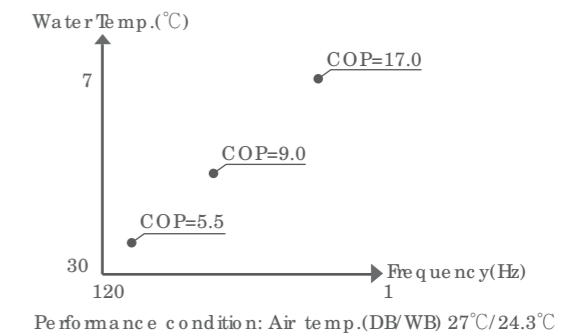
Designed for down to Air -15°C Operation



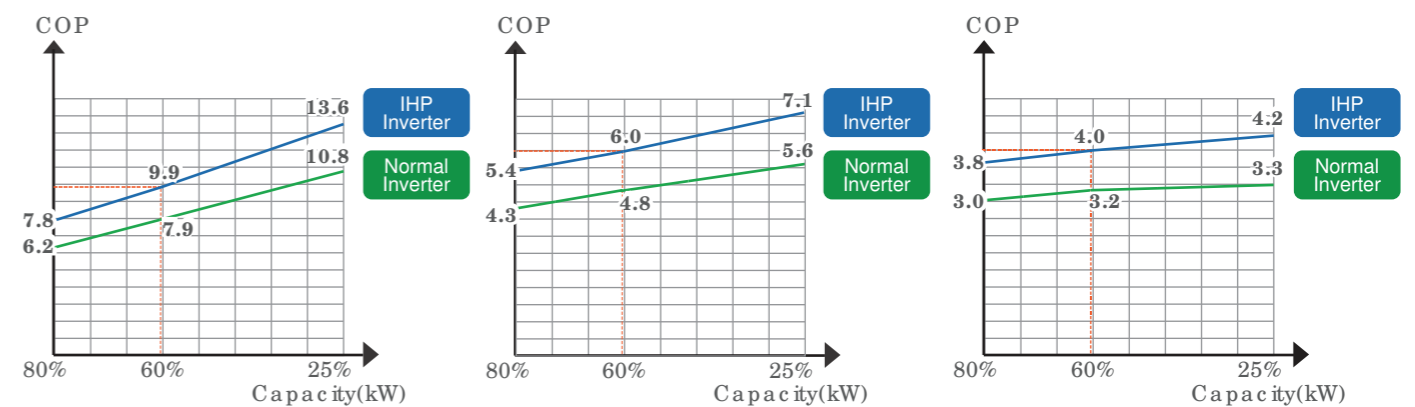
## Inverter Pool Heat Pump

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.



## Maintain High COP in Different Ambient Conditions

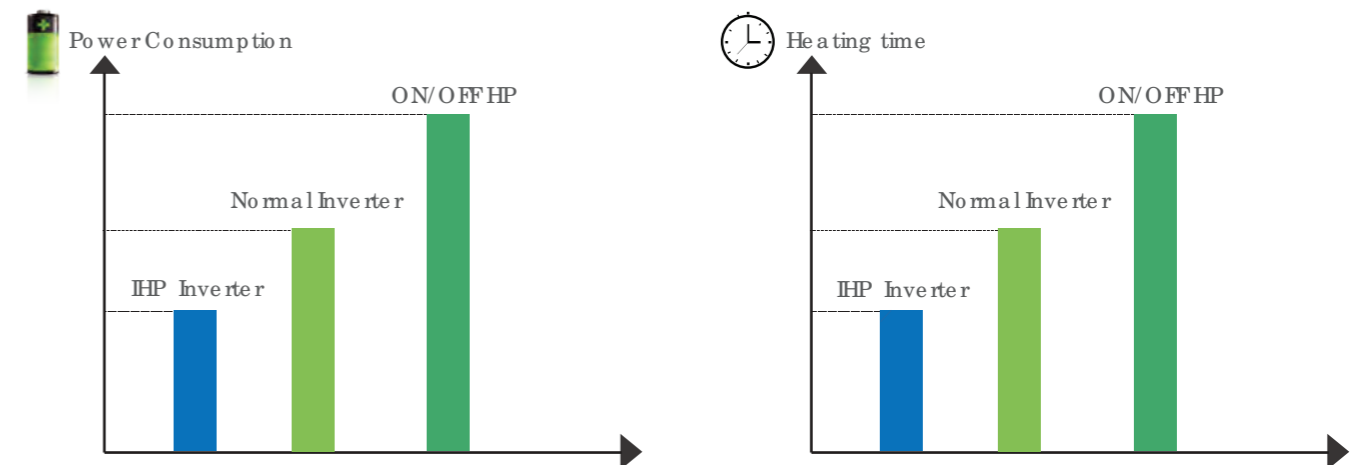


Performance condition: Air 27°C / Water 26°C / Humidity 80%

Performance condition: Air 15°C / Water 26°C / Humidity 70%

Performance condition: Air 2°C / Water 26°C / Humidity 80%

## Save Energy and Speed up Heating Time



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