

Heat Pump

by Nirvana

This high performance heat pump is ideal for in-ground and above ground swimming pools, spas, swim spas, plunge pools and light commercial applications.

- > **Swept wing fan blades** designed to reduce noise
- > **Electronic control board** easy to use
- > **Ultra-resistant composite cabinet** provides durability and easy care
- > **Oversized blue fin protected evaporator** for better performance
- > **R410A Refrigerant** environmentally friendly, clean and efficient
- > **Corrosion inhibiting treatments** inside the unit and electronic box
- > **Acoustic cover** that protects compressor and reduces noise
- > **Auto defrost, electronic and intelligent**



Features

- > **Scroll Compressor Technology**
Provides unparalleled efficiency along with quiet, sustainable and proven reliability
- > **Thermostatic Expansion Valve**
The thermostatic valve regulates the supply of refrigerant to the evaporator based on weather conditions to maximise performance
- > **Heat Exchanger**
Our unique double coil heat exchange is manufactured from titanium to produce optimal heat transfer while resisting corrosion and erosion. It is excellent for all common pool chemical systems including salt water, mineral salt and chlorine.
- > **Variable Speed Drive Fan**
The variable speed drive fan has three modes to choose from:
Quiet mode – keeps the fan speed low and reduces the output of the unit
Smart mode – varies the fan speed to get maximum output relative to outside temperatures
Boost mode – increases thermal output of the unit
- > **Compatibility**
Equipped with a Wi-Fi card for communication with the Henden Smart Chlorinator.



Performance Data*									
Model	27°C 80% 27°C**		27°C 63% 27°C**		10°C 63% 27°C**		Minimum Flow Rate (lpm)	Maximum Flow Rate (lpm)	Optimum Flow Rate (lpm)
	kW	COP	kW	COP	kW	COP			
HHP16B/HHP16C	16	6.6	15	6.4	10.5	4.4	160	300	265
HHP23B/HHP23C	23.5	6.6	22	6.4	14.5	4.5			
HHP28B/HHP28C	28	6.4	27	6.2	19	4.3			
HHP35B/HHP35C	35	6.2	32.5	6.0	23	4.2			

Dimensions					
Model	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Water Connections
HHP16B/HHP16C	770	970	990	90	50mm
HHP23B/HHP23C	970	970	990	110	
HHP28B/HHP28C	970	970	990	112	
HHP35B/HHP35C	1070	970	990	114	

Technical Data					
Heat Exchanger	Control Board	Defrost Mode	Compressor Type	Cabinet	Refrigerant
Titanium Double Coil	Digital	Passive	Scroll	Injected polypropylene composite reinforced with fibreglass	R410A

Warranty	
Component	Coverage
Labour	1 year
Parts	3 years
Compressor	5 years
Titanium coil	10 years
Cabinet	15 years

Electrical Data			
Model	Phase	Amp Total	Min. Circuit Current (Amp)
HHP16B/HHP16C	1	14.7	21.5
HHP23B/HHP23C	1	23.2	34.5
HHP28B/HHP28C	1	28.6	40.0
HHP35B/HHP35C	3	15.7	15.7

Important notes

> Low operating costs

At low temperatures, every bit of energy efficiency matters as that's when your heat pump works the hardest. The Henden heat pump by Nirvana has the highest ranked coefficient of performance as certified by the AHRI at low ambient temperatures, which means the lowest total running costs.

* Reference only, results may change based on ambient air temperatures the use of a pool cover, location and region of the installation.

** Rated in accordance to AHRI standard 1160: ambient air temperature (°C) humidity (%) | pool water temperature (°C).

