

Model Numbers: DN1-50-1, DN1-80-1, DN1-100-1, DN3-120-1

* Now with optional Wifi control



PERFORMERS

APPLICATION

Ideal for in-ground and above ground swimming pools, spas, swim spas, plunge pools and light commercial applications.

FEATURES & BENEFITS

- Heat Exchanger The unique double coil heat exchanger is manufactured out of 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 pools
- Compressor Scroll compressor technology provides the Davey by Nirvana with 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
- **Refrigerant Filter Dryer** Filters humidity and protects the refrigeration circuit for long term durability
- Now with optional Wifi control Operate and adjust your heat pump with fingertip app control from any device (product code 403453)





- Swept wing fan blades with NEW variable speed motor drive designed to reduce noise and maximise efficiency
- **Ultra-resistant composite cabinet** provides durability and easy care
- Oversized blue fin protected evaporator for better performance
- R410A Refrigerant environmentally friendly, clean and efficient
- 4 line digital control panel easy to use
- **Corrosion inhibiting treatments** inside the unit and electronic box
- Auto defrost, electronic and intelligent

PERFORMANCE DATA*							
Model	27°C 80% 27°C**		27°C 63% 27°C**		10°C 63% 27°C**		
Model	kW	СОР	kW	СОР	kW	COP	
DN1-50-1	16	6.6	15	6.4	10.5	4.4	
DN1-80-1	23.5	6.6	22	6.4	14.5	4.5	
DN1-100-1	28	6.4	27	6.2	19	4.3	
DN3-120-1	35	6.2	32.5	6.0	23	4.2	

COP = Co-efficiency of Performance

DIMENSIONS (mm)					
Model	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Water Connections
DN1-50-1	770	970	990	90	50mm
DN1-80-1	970	970	990	110	
DN1-100-1	970	970	990	112	
DN3-120-1	1070	970	990	114	

TECHNICAL DATA					
Heat Exchanger	Control Board	Defrost Mode	Compressor Type	Cabinet	Refrigerant
Titanium Double Coil	4 line Digital	Passive	Scroll	Fibreglass Composite	R410A

WARRANTY			
Component	Coverage		
Labor	1 year		
Parts	3 years		
Compressor	5 years		
Titanium coil	10 years		
Cabinet	15 years limited		

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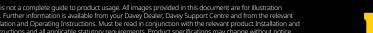
ELECTRICAL DATA					
Model	DN1-100-1	DN3-120-1			
Voltage (V AC)	240	415			
Frequency (Hz)	50	50			
Phase	Single	Three			
Compressor starting current (A)	130	90.5			
Current total (A)	28.6	13.7			
Min circuit current (A)	40.0	15.7			
Max circuit current (A)	50.0	20.0			

IMPORTANT NOTES

Energy efficiency at low temperatures is the most important factor to consider because that's when the pool needs the most heat and when the heat pump will operate for the longest amount of time. The Nirvana heat pump has the highest ranked units according to AHRI at low ambient temperatures, which will translate to the lowest total operating costs.









^{*} Reference only, results may change based on ambient air temperatures the use of a pool blanket, location and region of the installation
**Rated in accordance to AHRI standard 1160: ambient air temperature (°C) | humidity (%) | pool water temperature (°C)

Rated outside the scope of AHRI 1160 using a Davey swimming pool pump Silensor SLL300, ProMaster PM200SV or SilensorPro SP200SV on speed 8, and the ProMaster PM400PV or SilensorPro SP400PV on speed 6 at 27°C | 63% | 27°C conditions with 250lpm water flow