


DAVEY

by **NIRVANA**



* Now with optional Wifi control 

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



ONE OF THE INDUSTRY'S BEST 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)

Pool & Spa Heat Pump



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**	
	kW	COP	kW	COP	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

* 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

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

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.