

# The Pool of the Future... TODAY!

## New\* Silensor® Pro – Variable Speed Pool Pump

The new variable speed Silensor Pro allows total speed control between 1500rpm and 3600rpm with an easy to use dial. The Silensor Pro is equipped with the same technology as the water-cooled SLL Series, which makes it quieter than other variable speed pool pumps. Only available in 240v.



## Silensor® SLL Series – Water-cooled Single Speed pumps

The exclusive, patented, water cooled Silensor pumps transfer their excess heat to the pool water. This technology saves energy, eliminates the noisy fan that plagues other pumps with TEFC Motors, and dramatically reduces noise to let you enjoy summer peacefully. Available in 110v with plug (SLL200) or 240v (SLL150, SLL250, SLL300).



## Waterco Multicyclone

The Waterco Multicyclone is available in several configurations ranging from a pre-filter for your existing sand, DE or cartridge filter, to a standalone filtration system including a 40 ft2 or a 75 ft2 cartridge. It operates using centrifugal forces, has no moving parts and efficiently removes contaminants from your pool water. Most debris accumulates in a transparent container where it does not affect the water flow and where it can be backwashed out with as little as 15l. It greatly reduces maintenance and backwashing losses. The Multicyclone filter range provides benefits for all new or existing pool systems.



Connect the Silensor Pro to the Nirvana heat pump; the pump will run at full speed when the heat pump turns on to maximize the efficiency of the combined system. It will automatically return to the low speed setting when the heat pump turns off to further save electricity!



Distributed by



Nirvana Heat Pump



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# THE HEAT IS ON!



SÉRIE F



SÉRIE FC



# THE INDUSTRY'S BEST PERFORMANCE

Performances Certified according to the AHRI 1160 certification program.



# Performance and quality you demand!

## High performance components

- Heat exchanger**  
 Manufactured and tested in-house, our unique double coil heat exchanger is made out of titanium and ensures an optimal heat transfer and minimal flow restriction, while resisting corrosion and erosion from products used for water conditioning. Our heat exchanger is excellent for all common pool chemical systems including salt water.
- Compressor**  
 Scroll compressor technology provides the Nirvana Heat Pumps with unparalleled efficiency along with low noise and proven reliability.
- Thermostatic Expansion Valve**  
 The thermostatic valve regulates the supply of refrigerant to the evaporator in order to obtain maximum energy efficiency in all weather conditions.



High Grade Titanium Double Coil



Wi-Fi (Option)

## Features and benefits

- Ultra resistant composite cabinet** - Provides increased longevity and easy care
- Swept wing fan blades** - Designed to reduce noise
- Oversized blue fin evaporator** - For better performance
- Digital clock** - Manage your power consumption more effectively
- Compressor acoustic cover** - Protects and reduces noise
- R410A Refrigerant** - Clean and efficient
- Electronic control board** - Easy to use
- Defrost** - Electronic and intelligent
- Titanium heat exchanger** - Double coil – insulated for more performance
- Refrigeration system discharge** – Insulated to increase performance
- Corrosion inhibiting coating** – Reduce corrosion for improved longevity
- Wi-Fi** – Remote control (option)
- Variable speed ventilation** – Intelligent mode (maximizes COP) / Silent mode (reduces noise) / Performance mode (maximizes BTU) (FC Series)
- Transport slipcover included**
- All units are tested prior to shipment**



Research on noise optimization in the anechoic chamber of the University of Sherbrooke



# Technical data



		TECHNICAL DATA NIRVANA - F SERIES			TECHNICAL DATA NIRVANA - FC SERIES		
MODÈLES		F50	F65	F80	FC100*	FC120*	FC140*
(80/80/80 – AHRI) <sup>1</sup>	BTU	47 500	63 000	75 000	95 000	120 000	137 000
	COP	6,4	6,6	6,5	6,4	6,2	5,9
(80/63/80 – AHRI) <sup>1</sup>	BTU	44 000	58 000	70 000	91 000	111 000	132 000
	COP	6,0	6,1	6,4	6,2	6,0	5,8
(50/63/80 – AHRI) <sup>1</sup>	BTU	31 000	41 000	50 000	63 000	77 000	88 000
	COP	4,3	4,5	4,1	4,3	4,2	4,2
Unit Combined with Silensor SLL300 Pump <sup>2</sup>	BTU	50 000	65 000	77 000	97 000	116 000	137 000
	COP	7,1	6,9	7,0	6,7	6,3	5,9
Refrigerant		R410A					
Maximum breaker		30	30	40	50	50	60
Amps		10,3	12,3	15,5	17,9	23,7	27,5
**Decibels 1,8 metres		53	54	54	54	54	56
**Decibels 10 metres		44	45	45	43	43	45
Ventilation		22"			26" variable speed		
Heat Exchanger		Titanium-double coil			Titanium-double coil		
Defrost mode		Passive (7°C)			Passive (4°C)		
Control board		Digital - 3 character			Digital 4 lines x 20 character		
Compressor type		Scroll			Scroll		
Voltage		240V / 60Hz / 1 phase			240V / 60Hz / 1 phase		
Cabinet		Fiberglass			Fiberglass reinforced plastic injected composite		
Water flow minimum and maximum (GPM)		20-80	26-80	32-80	40-80	40-80	40-80
Dimensions (inch) (H x W x L)		35 x 35 x 33	41 x 35 x 33	41 x 35 x 33	38 x 39 x 37	42 x 39 x 37	42 x 39 x 37
Weight (lbs)		191	222	241	245	250	255
Water connection		1,5 inch			2 inches with unions		
POOLS DIMENSIONS	Above ground	15'-18'-21'	21'-24'	24'-27'	27'	n/a	n/a
	Inground	10' X 20'	12' X 24'	14' X 28'	16' X 30'	16' X 34'	18' X 36'
		12' X 24'	14' X 28'	16' X 30'	16' X 32'	18' X 36'	20' X 40'
				16' X 32'			

\* Reference only, results may change based on region ambient temperatures and usage of a solar blanket.

\*\*Performance : data for the FC Series, in process of certification.

\*\*Decibel : results measured at the University of Sherbrooke in an anechoic chamber. Results displayed at 1,8 meters and 10 meters (normal mode at 825 rpm).

<sup>1</sup> Certified according to AHRI 1160 : Ambient temperature (°F) / Relative humidity (%) / Water temperature (°F).

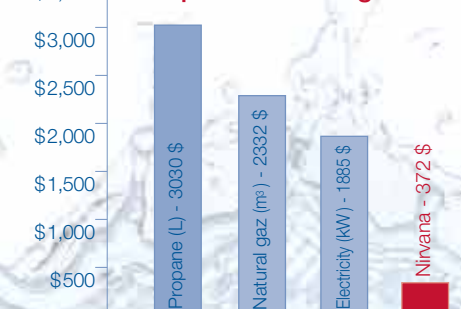
<sup>2</sup> Rated outside the scope of AHRI 1160 : using a Silensor SLL300 pump at 80/63/80 conditions with 65gpm water flow.

**Energy efficiency at low temperatures is the most important factor to consider as a heat pump is needed most when it is cold outside**  
**Nirvana heat pumps are the highest rated by AHRI in the low temperature category, and provide the lowest operating costs in the industry.**

## Warranty

NIRVANA WARRANTY	
COMPONENTS	COVERAGE
Labor	5 years
Parts	5 years
Compressor	5 years
Titanium coil	10 years limited
Cabinet	15 years limited

## Comparative Heating Costs



Based on the average price 0,082 \$ / kWh, in Quebec (2017).  
 Conditions : 12'x24' pool heated to 80°F (27°C), from May to September.

ONLINE CALCULATOR



NIRVANAHP.COM