

Buy SMART Buy NIRVANA!

Connect the Silensor Pro to the Nirvana heat pump with a relay kit (sold separately); 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!



Silensor® Pro • Variable speed pump

The Silensor Pro® offers the pool owner or operator total control over the speed at which the pump operates from 1,500rpm to 3,600rpm with an easy to use dial. Designed with a unique water-cooled motor which captures noise and vibration, and allows for super-quiet operation at all speeds, your neighbors won't even know it's there. Silensor PRO also features a selectable backwash cycle that runs the pump for 2 minutes at 3,800rpm before automatically turning off to safely, reliably and easily backwash your media filter. Silensor PRO also incorporates unique loss of prime protection to prevent pump damage if no water is available to the pump. Furthermore, by water-cooling the motor, Silensor PRO does not require air circulation and gives installers more flexibility with pump positioning.



Silensor® SLL Series • Water cooled pump

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. Silensor is designed for long service life in an outdoor, poolside environment and replaces highly corrodible metal components with high performance, long-life plastics for low maintenance and dependable service. SLL models feature a large leaf basket for long intervals between cleaning.

Available in 110v with plug (SLL200) or 240v (SLL150, SLL250, SLL300).



SMART FAN TECHNOLOGY

OPTIMIZES



your running cost



noise



WIFI



AUDI
CERTIFIED
www.audi-directors.org



UNIQUE
DEFROST



BEST
WARRANTY

2010
FC SERIES



NIRVANA

HEAT PUMP



renewable energy
ENERGY EFFICIENT
ECONOMICAL
green energy



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2018 - EC5

The industry's best performance

Performances tested in accordance with the AHRI certification program.

The Performance *and* quality you demand, improved with **SMART FAN*** technology!

High Performance Components

Variable speed with SMART FAN* technology

Smart mode optimizes COP. Quiet mode reduces fan speed to lower noise. Boost mode

increases thermal output (BTU) of the unit. Heat Exchanger

Our 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 chlorine and salt water.

Compressor

Scroll compressor technology provides the Nirvana with unparalleled efficiency along with quiet, sustainable and proven reliability.

Thermostatic Expansion Valve

The Thermostatic Expansion Valve maximizes performance by automatically regulating the supply of refrigerant to the evaporator in all weather conditions.



High Grade Titanium Double Coil

The coefficient of performance (COP) of a heat pump represents the ratio of heat provided to the energy required. COP is the efficiency of the heat pump at transferring heat from the air into the pool water.

Higher COPs equate to lower operating costs.

Features *and* Benefits

Ultra resistant composite cabinet - Provides durability and easy care

Swept wing fan blade - Designed to reduce noise

Oversized blue fin evaporator - For better performance

Compressor acoustic cover - Protects compressor and reduces noise

R410A Refrigerant - Clean and efficient

Electronic control board - Easy to use

Defrost - Electronic and intelligent

Titanium heat exchanger - Double coil

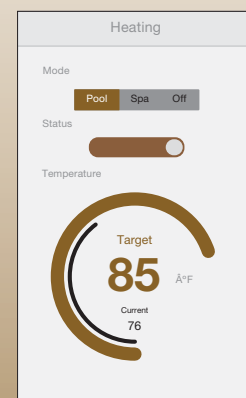
Refrigeration system discharge - insulated to increase performance

Corrosion inhibiting coating - Inside the unit

Wi-Fi - Remote control (Optional)

Cortec VpCl inside electric box - Prevents corrosion

100% of finished units are tested by a Refrigeration Technician prior to shipment



Wi-Fi (option)



* The SMART FAN technology is not available on FC50 and FC65 models.



AHRI certification insures that the performances of the unit have been independently tested and validated.

TECHNICAL DATA		FC SERIES		FC SERIES - SMART FAN TECHNOLOGY			
MODELS		FC50	FC65	FC80	FC100	FC120	FC140
(80/80/80 - AHRI) ¹	BTU COP	48 000 6,6	65 000 7,0	75 000 6,8	95 000 6,4	120 000 6,2	137 000 5,9
(80/63/80 - AHRI) ¹	BTU COP	46 000 6,4	62 000 6,7	70 000 6,4	91 000 6,2	111 000 6,0	132 000 5,8
(50/63/80 - AHRI) ¹	BTU COP	31 500 4,5	43 000 4,7	50 000 4,5	63 000 4,3	77 000 4,2	88 000 4,2
Combined with a Silensor pump ²	BTU COP	52 000 7,0	67 000 7,1	76 000 7,1	96 500 6,7	116 000 6,3	136 500 5,9
Refrigerant		R410A					
Minimum / Maximum breaker		20 / 30	30 / 30	30 / 40	40 / 50	40 / 50	50 / 60
Amps		10.3	12.3	15.5	17.9	23.7	27.5
Decibel at 10 m		43	43	43	43	43	45
Ventilation		26" 1 speed		26" variable speed SMART FAN			
Heat Exchanger		Titanium-double coil					
Defrost mode		Passive (36°F)					
Control Board		Digital 4 lines x 20 characters					
Compressor Type		Scroll					
Voltage		240V / 60Hz / 1 phase					
Cabinet		Injected polypropylene composite reinforced with fiberglass					
Water flow (GPM)		20-80	26-80	32-80	40-80	40-80	40-80
Dimensions (inches) (W x L x H)		39 x 37 x 30	39 x 37 x 34	39 x 37 x 38	39 x 37 x 38	39 x 37 x 42	39 x 37 x 42
Weight (lbs)		191	222	241	245	250	255
Water connection		2" - Quick connect fittings - INCLUDED					
POOL DIMENSIONS	Above ground	15'-18'-21'	21'-24'	24' - 27'	27'	n/a	n/a
	Inground	10' x 20' 12' x 24'	12' x 24' 14' x 28'	14' x 28' 16' x 30' 16' x 32'	16' x 30' 16' x 32'	16' x 34' 18' x 36'	18' x 36' 20' x 40'

Reference only, results may change based on ambient air temperatures and usage of a solar blanket, and regions.

¹ Rated in accordance to AHRI standard 1160: ambient air (°F) / humidity (%) / water temperature (°F).

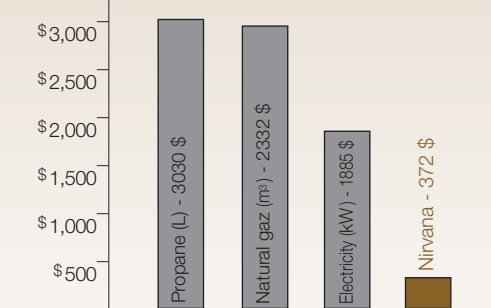
² Rated outside the scope of AHRI 1160 using a Davey Silensor SLL300 swimming pool pump at 80/63/80 conditions with 65gpm water flow.

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. Nirvana has the highest ranked units, according to AHRI at low temperatures, which will translate to the lowest total operating costs in the industry. Please visit www.AHRINET.org

Best warranty **(NIRVANA)**

WARRANTY NIRVANA	
COMPONENTS	DURATION
Labor	5 years
Parts	5 years
Compressor	5 years
Titanium coil	10 years-limited
Casing	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.