

+ EXTEND YOUR SUMMER | With the Nirvana line of pool heat pumps



+ NEW DESIGN


NIRVANA
HEAT PUMP



ECONOMY FOR

+ THE HEAT EXCHANGER

Our hand crafted titanium heat exchanger is made to protect the Nirvana against corrosion from chemicals used in pool water. It is also perfectly suited for salt water systems commonly used these days. Its design also prevents erosion from the high speed water circulation in the filtration system.



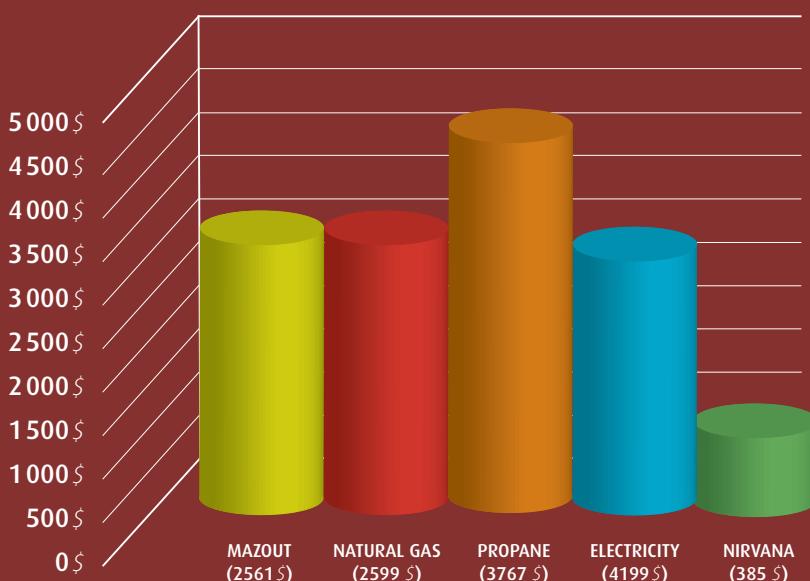
+ THE COMPRESSOR

The Nirvana comes with a scroll compressor offering the Smoothest, Quietest, Most Efficient Compressor Technology using advanced engineering and flow dynamics to more efficiently and smoothly compress gas refrigerant. It also uses R410A clean refrigerant which makes the Nirvana a truly green heat pump.



+ A RESPONSE TO MAJOR ENVIRONMENTAL CONCERN

A heat pump is the most environmentally friendly way to heat a swimming pool. It does not burn fossil fuels like oil or gas. It uses electricity to run a compressor to compress a non-CFC refrigerant gas. These gases put up to 6 times as much heat in to the water compared to the electricity consumed. A heat pump not only saves you money it greatly reduces your carbon emissions.



COMPARISON OF USERS COSTS BY ENERGY SOURCE

- Electricity (kW)
- Natural gas (M3)
- Propane (LT)
- Mazout
- Nirvana

The comparisons are based on heating a 14 x28 pool at 28C with 26C ambient air temperature at 55% of humidity. It uses a cost of .0703\$ per kw/h of electricity at 98% efficiency, 0,70\$ by M3 of natural gas at 85% efficiency, .71\$ a liter of heating oil at 80% efficiency, .62\$ a liter of propane at 80% efficiency and Nirvana heat pump with a 5,7 COP tested under ASHRAE compliance to produce 70,000 BTU.

Peace of mind



HOT GAS DEFROST

+ THE SOLUTION FOR LOW TEMPERATURES

When you want to extend the season, the Nirvana's reverse cycle defrost system enables usage at much lower temperatures than a regular heat pump. When the evaporator starts freezing, hot gas is sent to the evaporator, thus bringing back the unit full efficiency in seconds.

+ CHARACTERISTICS AND BENEFITS

THERMOSTATIC VALVE: Protects the compressor and ensures the right quantity of coolant is provided to the evaporator for maximum energy efficiency. **FAN BLADES:** Designed to reduce noise level to a minimum. **NOISE INSULATION COVER:** Covers 100% of the compressor to reduce the noise level and protection. **TITANIUM COIL:** Titanium extended coil that resists erosion and corrosion and provides superior longevity while optimizing efficiency and lowering noise. **ELECTRONIC DIGITAL DISPLAY**

WITH SELF DIAGNOSTIC SYSTEM: Easy to operate digital display with self identification of problems and security shut down.

BLUEFINE OVERSIZED EVAPORATOR: Ensures a greater level of efficiency and longevity, reduces noise and lowers the operating pressure while making corrosion proof. **DEFROST CONTROL:** Automatic defrost system. **DEHYDRATOR FILTER:** Protects against condensation and humidity and other harmful particles. **ULTRA RESISTANT FIBERGLASS CABINET:** Resistant to UV rays without rusting and ease of maintenance. **FILTER PUMP CONTACTORS:** Enables control of the filter pump via the Nirvana's control board. **GRADUATED WATER PRESSURE MANOMETER:** Validates the optimal water pressure for maximum results.

+ WARRANTY

3 YEARS | labor

3 YEARS | parts

5 YEARS | compressor

10 YEARS LIMITED | titanium coil

15 YEARS LIMITED | casing

ENERGY OUTPUT TESTING PERFORMED IN COMPLIANCE WITH ASHRAE 146 AND ARI 1160 STANDARDS.

« The Nirvana pool heat pump series offers the highest coefficient of performance in the industry... » *Source: CANMET independent laboratory report*



TECHNICAL INFORMATIONS

Description	Unit	E55	E70	E95	E110	C110
Heating capacity	KW BTU/H	16,1 55000	21 70000	27,9 95000	32,2 110000	32,2 110000
Power input	W	2553	3507	4432	5865	5865
Performance	COP	5,6	5,75	5,70	5,37	5,12
Maximum volume	Liters (000)	55	70	95	110	110
Breaker size	A	30	40	50		50
Running current	A	11,1	15,25	18,27	24,1	24,7
Power supply	V/Ph/Hz	208/240 - 1 phase - 60 hz				
Compressor		Scroll				
Refrigerant	R410A	R410A				
Low pressure	psig	130				
High pressure	psig	325				
Water Pressure meter	psig	Yes				
Fan power input	W	460				
Fan speed	RPM	825				
Noise	dB(A)	52	53	54	55	55
Fan direction		Top				
Water connection	Inch	1,5 inch				
Nominal water flow	M ³ /h	35 gallons US				
Unit dimensions (L/W/H)	Inches	35 x 32 x 31	35 x 32 x 36	35 x 32 x 38	35 x 32 x 40	35 x 32 x 48
Unit shipping dimensions	Inches	37 x 36 x 44	37 x 36 x 49	37 x 36 x 49	37 x 36 x 57	37 x 36 x 57
Net weight	Lbs	165	179	230	232	241

Measurement conditions:
Outdoor air temp.: 26°C
Inlet water temp.: 26°C
Relative humidity: 62 %

