

HIGH-PERFORMANCE
COMPONENTS



PV / PVT HEAT PUMPS

PV85 | PV110 | PVT175

SMART FAN TECHNOLOGY
HIGHEST EFFICIENCIES IN THE INDUSTRY



Warranty

3 years – Labor
10 years – Parts



Quiet



Designed &
manufactured in
North America



Energy
efficient



PERFORMANCE AND QUALITY

SMART FAN TECHNOLOGY



Wi-Fi



Environmentally friendly



Easy to use digital touch display



Variable capacity



Smart fan technology

FEATURES AND BENEFITS

HEAVY-DUTY COMPOSITE CASE
Durable and easy to maintain.

SWEPT WING FAN BLADES
Designed to reduce noise.

OVERSIZED BLUE FIN EVAPORATORS
For a better performance.

ELECTRONIC TIMERS
For more efficient management of your electrical consumption.

ACOUSTIC COMPRESSOR COVERS
Protects the compressor and reduces noise

R410A REFRIGERANT
Clean and efficient.

SELF-DIAGNOSING DIGITAL TOUCH CONTROL
Easy to use.

PASSIVE DEFROST
Electronic and smart.

HEAT EXCHANGER
Covered with an insulating sheath.

ANTI-CORROSION COATINGS

Wi-Fi
application available on the App Store and Play Store to control your heat pump and maintain the perfect temperature at all times.

HIGH-PERFORMANCE COMPONENTS

VARIABLE-SPEED VENTILATION
SMART FAN TECHNOLOGY

Smart mode (maximizes COP)
Quiet mode (reduces noise)
Boost mode (maximizes BTU)

PV / PVT SERIES (VARIABLE CAPACITY)

Variable-capacity scroll compressors
PV85 and PV110

Stage 1: 67 %

Stage 2: 100 %

Tandem scroll compressor
PVT175

Stage 1: 50 %

Stage 2: 100 %

HEAT EXCHANGER

The heat exchanger is equipped with a top-grade twisted titanium double coil, ensuring optimal heat transfer for Nirvana heat pumps. This material is resistant to corrosion and erosion caused by water treatment products. It is equally effective for pools equipped with salt systems.

THE COMPRESSOR

The Nirvana's scroll technology compressors deliver unrivalled efficiency, quiet operation and proven durability and reliability.
PV series = single 2-stage compressor
PVT series = tandem (dual) compressors

THERMOSTATIC EXPANSION VALVE

The thermostatic expansion valve regulates the flow of refrigerant to the evaporator according to operating conditions, ensuring optimal energy efficiency.

ALL OF OUR UNITS ARE TESTED AND INSPECTED BY AN HVAC SPECIALIST BEFORE SHIPMENT

PV / PVT SERIES

ECO MODE = Low capacity
SMART MODE = High capacity

MODEL PV/PVT SERIES		PV85 (ECO MODE)	PV85 (SMART MODE)	PV110 (ECO MODE)	PV110 (SMART MODE)	PVT175 (ECO MODE)	PVT175 (SMART MODE)
80/80/80 – AHRI ¹	BTU / COP	62 000 / 10.6	77 000 / 7.1	88 000 / 10.2	105 000 / 6.7	99 000 / 9.5	175 000 / 6.4
80/63/80 – AHRI ¹	BTU / COP	58 000 / 9.8	71 000 / 6.9	81 000 / 9.7	99 000 / 6.5	94 000 / 9.2	166 000 / 6.2
50/63/80 – AHRI ¹	BTU / COP	42 000 / 6.8	51 000 / 4.8	56 000 / 6.7	68 000 / 4.5	68 000 / 6.2	114 000 / 4.2
REFRIGERANT		R410A					
MINIMUM / MAXIMUM BREAKER (A)		30/30		40/50		60/70	
AMPS (A)		8.7	13.5	14.2	19.1	15.9	35.6
DECIBELS AT 10 METERS		38	42	39	43	43	45
VENTILATION		26” VARIABLE SPEED SMART FAN					
HEAT EXCHANGER		TWISTED TITANIUM DOUBLE COIL				TWISTED TITANIUM QUAD COIL	
DEFROST		PASSIVE 2 STAGE (37°F)					
CONTROL BOARD		4 LINES X 20 CHARACTERS LCD DISPLAY WITH TOUCH BUTTONS					
COMPRESSOR TYPE		VARIABLE-CAPACITY SCROLL				TANDEM SCROLL	
VOLTAGE		240V / 60HZ / 1 PHASE					
CABINET		FIBERGLASS-REINFORCED, INJECTION-MOLDED POLYPROPYLENE COMPOSITE					
MINIMUM / MAXIMUM WATER FLOW (GPM)		26-80		40-80		50-100	
DIMENSIONS IN INCHES (W x L x H)		39 X 37 X 34		39 X 37 X 38		39 X 37 X 45	
WEIGHT (LBS)		241		245		395	
WATER CONNECTION		2” QUICK-CONNECT FITTINGS (INCLUDED)					
POOL WATER CAPACITY (GALLONS) June to August		UP TO 21 100		UP TO 27 700		UP TO 42 000	
POOL WATER CAPACITY (GALLONS) May to September		UP TO 13 200		UP TO 20 600		UP TO 33 000	
POOL DIMENSIONS – ABOVE GROUND		21'-24'		27'		N/A	
POOL DIMENSIONS – INGROUND		14' X 28' 16' X 32'		16' X 32' 18' X 32'		20' X 40' 24' X 44'	



¹ Certified according to AHRI 1160: Ambient temperature (°F) / Relative humidity (%) / At the water temperature (°F). With a water flow rate of 0.45 GPM per 1,000 BTU at the 80/63/80. Pool dimensions listed for reference only. Results may vary based on region, ambient air temperature, and use of a solar blanket.

ENERGY EFFICIENCY AT LOW TEMPERATURES
IS THE MOST IMPORTANT FACTOR TO CONSIDER

NIRVANA heat pumps are engineered to deliver the best performance and build quality in their categories. **MORE PERFORMANCE = LESS COST** — day after day, year after year — keeping your pool warm and enjoyable throughout the entire season. **NIRVANA** offers the **highest-performing units according to AHRI for low-temperature efficiency**, which translates into some of the **lowest total cost of ownership in the industry**.

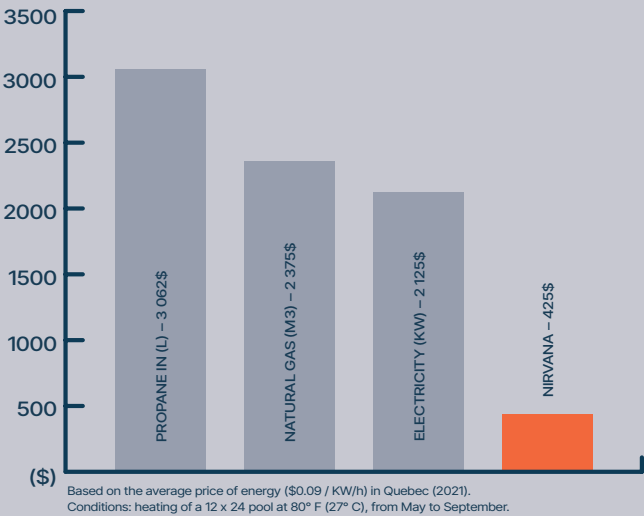
For more information, visit www.ahrinet.org

The **Coefficient of Performance (COP)** measures how effectively a heat pump transfers heat from the air into the pool water. Higher COP values result in lower operating costs. **AHRI certification** ensures that the unit's performance has been independently tested and validated.



NIRVANA WARRANTIES	
COMPONENTS	COVERAGE
LABOUR	3 YEARS
PARTS	10 YEARS
TITANIUM COIL	10 YEARS LIMITED
CABINET	15 YEARS LIMITED

HEATING COSTS COMPARISON



*NIRVANA recommends using a liquid or conventional solar blanket, especially in colder weather, to improve energy efficiency.

