



NIRVANA



BEST WARRANTY



ENERGY EFFICIENT



SMART FAN TECHNOLOGY



VARIABLE POWER



QUIET



WIFI (OPTION)

FC/PV SERIES POOL HEATER HEAT PUMP

BEST EFFICIENCY IN THE INDUSTRY

PERFORMANCE TESTED BY THE AHRI CERTIFICATION PROGRAM



WWW.NIRVANAHP.COM

TECHNICAL DATA SHEET NIRVANA		FC SERIES		
MODELS		FC55	FC70	FC85
(80/80/80 - AHRI) ¹	BTU COP	56 000 7,0	71 000 6,8	84 000 6,8
(80/63/80 - AHRI) ¹	BTU COP	53 000 6,8	67 000 6,5	80 000 6,5
(50/63/80 - AHRI) ¹	BTU COP	37 000 4,6	46 000 4,5	55 000 4,6
TYPE OF REFRIGERANT		R410A		
MINIMUM/MAXIMUM CIRCUIT BREAKER		20/30	30/30	30/40
OPERATING AMPERAGE		10,3	12,3	15,5
DECIBELS AT 10 METERS		42	42	42
VENTILATION		26 INCHES / 1 SPEED		
HEAT EXCHANGER		DOUBLE TITANIUM		
DEFROSTING		PASSIVE (3°C)		
CONTROLLER		DIGITAL 4 LINES X 20 CHARACTERS		
COMPRESSOR TYPE		SCROLL		
POWER SUPPLY		240 / 60HZ / 1 PHASE		
CABINET		GLASS FIBRE REINFORCED INJECTED POLYPROPYLENE COMPOSITE		
WATER FLOW (GPM)		20-80	26-80	32-80
DIMENSIONS (INCHES) (W X L X H)		39 X 37 X 30	39 X 37 X 30	39 X 37 X 34
WEIGHT (POUNDS)		191	222	241
WATER CONNECTION		2 INCHES WITH UNSCREWING UNIONS INCLUDED		
WATER CAPACITY OF THE POOL		USE JUNE TO AUGUST	USE JUNE TO AUGUST	USE JUNE TO AUGUST
		55 000 LITERS AND LESS	70 000 LITERS AND LESS	85 000 LITERS AND LESS
		USE MAY TO SEPTEMBER	USE JUNE TO AUGUST	USE MAY TO SEPTEMBER
		42 000 LITERS AND LESS	54 000 LITERS AND LESS	65 000 LITERS AND LESS
POOL DIMENSIONS	ABOVE GROUND	15'-18'-21'	21'-24'	24'-27'
	INGROUND	10' X 20'	12' X 24'	14' X 28'
		12' X 24'	14' X 28'	16' X 30'
			15' X 32'	16' X 32'

NIRVANA recommends the use of a liquid or conventional solar cover especially in colder weather for better energy efficiency.

Information for reference only, results may change depending on region, ambient temperature and use of solar cover

¹Rated according to AHRI 1160 : Ambient temperature (°F) / Relative humidity (%) / Water temperature (°F). With a water flow rate of 0,45 GPM per 1000 BTU as per AHRI 80/63/80

²Rated outside AHRI 1160 using a SilensorR SLL300 pump under 80/63/80 conditions with a water flow rate of 65 GPM.

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

since the heat pump operates most of the time at low temperature. Ranked first by AHRI in this category, NIRVANA heat pumps provide the lowest operating costs in the industry. Visit www.AHRINET.org to confirm. The coefficient of energy performance (COP) of a heat pump measures the ability to extract energy from the air and transfer it to the pool water. A higher COP means lower heating costs. AHRI certifies that you are buying smart with performance validated by an independent body.

TECHNICAL DATA SHEET NIRVANA		SMART FAN* TECHNOLOGY FC SERIES		
MODELS		FC100	FC120	FC140
(80/80/80 - AHRI) ¹	BTU COP	95 000 6,4	120 000 6,2	138 000 6,0
(80/63/80 - AHRI) ¹	BTU COP	91 000 6,2	111 000 6,0	132 000 5,8
(50/63/80 - AHRI) ¹	BTU COP	63 000 4,3	77 000 4,2	88 000 4,2
TYPE OF REFRIGERANT		R410A		
MINIMUM/MAXIMUM CIRCUIT BREAKER		40/50	40/50	50/60
OPERATING AMPERAGE		17,5	23,7	27,5
DECIBELS AT 10 METERS		43	43	45
VENTILATION		26' INCHES VARIABLE SPEED SMART FAN*		
HEAT EXCHANGER		DOUBLE TITANIUM		
DEFROSTING		PASSIVE (3°C)		
CONTROLLER		DIGITAL 4 LINES X 20 CHARACTERS		
COMPRESSOR TYPE		SCROLL		
POWER SUPPLY		240 / 60HZ / 1 PHASE		
CABINET		GLASS FIBRE REINFORCED INJECTED POLYPROPYLENE COMPOSITE		
WATER FLOW (GPM)		40-80	40-80	40-80
DIMENSIONS (INCHES) (W X L X H)		39 X 37 X 34	39 X 37 X 38	39 X 37 X 42
WEIGHT (POUNDS)		245	250	255
WATER CONNECTION		2 INCHES WITH UNSCREWING UNIONS INCLUDED		
WATER CAPACITY OF THE POOL		UTILISATION JUNE TO AUGUST	UTILISATION JUNE TO AUGUST	UTILISATION JUNE TO AUGUST
		100 000 LITERS AND LESS	120 000 LITERS AND LESS	140 000 LITERS AND LESS
		UTILISATION MAY TO SEPTEMBER	UTILISATION MAY TO SEPTEMBER	UTILISATION MAY TO SEPTEMBER
		72 000 LITERS AND LESS	90 000 LITERS AND LESS	106 000 LITERS AND LESS
POOL DIMENSIONS	ABOVE GROUND	27'	N/A	N/A
	INGROUND	16' X 30'	16' X 34'	18' X 36'
		16' X 32'	18' X 36'	20' X 40'

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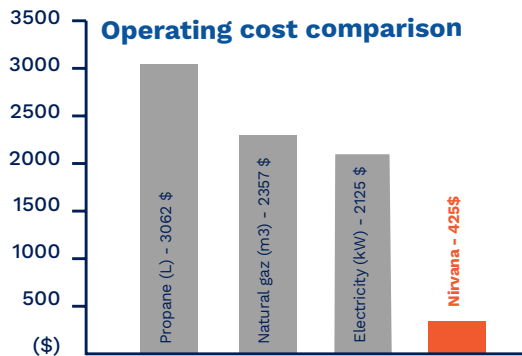
²Rated outside AHRI 1160 using a SilensorR SLL300 pump under 80/63/80 conditions with a water flow rate of 65 GPM.

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TECHNICAL DATA SHEET NIRVANA		PV SERIES					
MODELS		PV80 LOW CAPACITY	PV80 HIGH CAPACITY	PV105 LOW CAPACITY	PV105 HIGH CAPACITY	PV170 LOW CAPACITY	PV170 HIGH CAPACITY
(80/80/80 - AHRI) ¹	BTU COP	59 000 9,4	77 000 7,1	84 000 8,5	105 000 6,7	95 000 8,0	175 000 6,4
(80/63/80 - AHRI) ¹	BTU COP	55 000 9,0	71 000 6,9	77 000 8,0	99 000 6,5	90 000 7,6	166 000 6,2
(50/63/80 - AHRI) ¹	BTU COP	39 000 5,4	51 000 4,8	52 000 5,2	68 000 4,5	65 000 5,6	114 000 4,2
TYPE OF REFRIGERANT		R410A					
MINIMUM/MAXIMUM CIRCUIT BREAKER		30/30	30/30	40/50	40/50	60/70	60/70
OPERATING AMPERAGE		8,7	13,5	14,2	19,1	15,9	35,6
DECIBELS AT 10 METERS		38	42	39	43	43	45
VENTILATION		26 INCHES VARIABLE SPEED SMART FAN*					
HEAT EXCHANGER		DOUBLE TITANIUM					
DEFROSTING		PASSIVE (3°C)					
CONTROLLER		DIGITAL 4 LINES X 20 CHARACTERS					
COMPRESSOR TYPE		VARIABLE SCROLL CAPACITY				SCROLL TANDEM	
POWER SUPPLY		240 V / 60HZ / 1 PHASE					
CABINET		GLASS FIBRE REINFORCED INJECTED POLYPROPYLENE COMPOSITE					
WATER FLOW (GPM)		26-80		40-80		50-100	
DIMENSIONS (INCHES) (W X L X H)		39 x 37 x 34		39 x 37 x 38		39 X 37 X 45	
WEIGHT (POUNDS)		241		245		395	
WATER CONNECTION		2 INCHES WITH UNSCREWING UNIONS INCLUDED					
WATER CAPACITY OF THE POOL		UTILISATION JUNE TO AUGUST		UTILISATION JUNE TO AUGUST		UTILISATION JUNE TO AUGUST	
		80 000 LITERS AND LESS		105 000 LITERS AND LESS		159 000 LITERS AND LESS	
		UTILISATION MAY TO SEPTEMBER		UTILISATION MAY TO SEPTEMBER		UTILISATION MAY TO SEPTEMBER	
		55 000 LITERS AND LESS		78 000 LITERS AND LESS		125 000 LITERS AND LESS	
POOL DIMENSIONS		ABOVE GROUND		21' X 24'		27'	
		INGROUND		14' X 28'		16' X 32'	
				16' X 30'		18' X 32'	
		PV80 AND PV105				PV170	
		<ul style="list-style-type: none"> • MAXIMIZES PERFORMANCE AND ENERGY EFFICIENCY • THE UNIT REMAINS ELECTRONICALLY SIMPLE • GREATLY REDUCED NOISE, ESPECIALLY AT START-UP • VARIABLE SPEED VENTILATION SMART FAN* • INTELLIGENT MANAGEMENT PRIORITIZES ENERGY EFFICIENCY 				<ul style="list-style-type: none"> • 2 CAPACITY SCROLL COMPRESSOR • 67% IN LOW CAPACITY • 100% IN HIGH CAPACITY 	
				<ul style="list-style-type: none"> • COMPRESSOR SCROLL TANDEM • 50% IN LOW CAPACITY • 100% IN HIGH CAPACITY 			

Operating cost comparison



Based on the average price of energy (0,09 \$ / KW/h) in Quebec (2021).
Conditions : heating a 12x24 at 80° F (27° C) from MAY TO SEPTEMBER.



NIRVANA GUARENTES

COMPONENTS	DURATION
Labor	5 years
Parts	10 years
Titanium coil	10 years limited
Cabinet	15 years limited