Heat pumps

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DISTINCTION

par / by NIRVANA



Inverter HEAT PUMP

WHAT IS INVERTER TECHNOLOGY?

Inverter technology heat pumps quietly maintain the ideal water temperature while offering energy savings.

When turned on, it starts at zero and slowly increases to a higher speed, which leads to stable current and reduces power consumption. It will perform at full speed to reach the requested temperature and will operate at low speed to maintain it once reached, which limits temperature fluctuations.

Inverter technology heat pumps feature an inverter compressor and a variable speed ventilation system, which provide a quiet environment for swimming.

FEATURES

- Active hot gas defrost
- Double titanium heat exchanger for a larger surface area to maximize heat exchange
- Electronic expansion valve for increased performance
- Metal-framed ABS housing for exceptional strength
- Low energy consumption, further optimized thanks to Inverter technology
- Quiet operation. Thanks to the compressor's acoustic sheath and low speed once the water temperature is reached
- Performance tested in accordance with the AHRI certification program

OUR MODELS OF DISTINCTION INVERTER HEAT PUMPS

EP-SIM50IV
EP-SIM65IV
EP-SIM80IV



REVERSIBLE HEAT PUMP

Distinction heat pump by Nirvana is the ideal solution to extend your summer and fully enjoy your pool. Thanks to its compact design, it can be installed discreetly, thus preserving the aesthetics of your yard. Its ABS housing with a metal structure and its insulated titanium exchanger give it exceptional resistance, giving you peace of mind.

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OUR MODELS OF REVERSIBLE HEAT PUMP

EP-SIM50
EP-SIM60
EP-SIM80
EP-SIM100



ECO-ENERGETIC EFFICIENCY DUE TO RAPID DEFROSTING

The reversible hot gas defrosting technology will allow defrosting in a few minutes as opposed to a few hours. It absorbs heat from the heat exchanger and uses the hot air to defrost the evaporator. This allows the heat pump to quickly start heating your pool again, which will also extend the swimming season.



		INVERTER			REVERSIBLE			
MODELS		**EP-SIM50IV**	**EP-SIM65IV**	**EP-SIM80IV**	**EP-SIM50**	**EP-SIM60**	**EP-SIM80**	**EP-SIM100**
(80/80/80 - AHRI)	**BTU**[1]	11 600 - 50 500	14 400 - 64 800	17 800 - 77 000	44 000	55 000	75 000	98 000
	COP[2]	15,1 – 5,8	15,0 - 5,9	14,4 - 5,8	5,9	6,0	5,9	6,0
(80/63/80 - AHRI)	**BTU**	11 500 – 47 400	12 500 - 58 300	17 500 - 71 200	41 700	52 000	69 100	91 000
	COP	13,4 ~ 5,5	14,5 ~ 5,4	14,8 ~ 5,2	5,5	5,7	5,3	5,7
(50/63/80 - AHRI)	**BTU**	10 100 - 22 850	9 200 - 39 900	10 800 - 40 700	25 500	35 000	46 500	62 000
	COP	7,4 - 4,7	10,7 - 4,1	7,8 - 4,4	3,8	4,0	4,0	4,1
BREAKER[3]		20/30	30	30/40	20	20/30	30	40
AMPS		6.5/10,5	8.1/13,5	11.9/17,9	9,6	14	18,5	21
DECIBEL		35 - 58	36 - 63	36 - 63	46	48	50	51
VENTILATION		18 INCHES	20 INCHES	20 INCHES	16 INCHES	16 INCHES	22 INCHES	22 INCHES
WATER FLOW (gpm)		22,72	28,75	32,58	15 - 50	15-60	15 - 60	20 - 60
DIMENSION (Inches)		40 x 16 x 26	44,5 x 16,5 x 29,9	44,5 x 16,5 x 29,9	35,7 x 13,9 x 24,25	39,2 x 15,2 x 25,9	45,9 x 17,9 x 29,9	45 x 19 x 30
WEIGHT (Lbs)		108	160	176	124	135	190	256
REFRIGERANT		R410A						
HEAT EXCHANGER		TITANIUM DOUBLE COIL						
DEFROST MODE		ACTIVE						
CONTROL BOARD		TOUCH SCREEN						
COMPRESSOR TYPE		ROTATIVE						
VOLTAGE		230V - 60HZ - 1 PHASE						
CABINET		PLASTIC AND METAL FRAME						
WATER CONNECTION		1,5" WITH QUICK CONNECTION FITTINGS INCLUED						
WARRANTY								
EXCHANGER		5 years						
PARTS AND LABOUR		5 years						
COMPRESSOR		5 years						

[1]BTU : British Thermal Unit (unit of thermal energy measurement)
[2]COP : Coefficient of performance (expression of heat pump efficiency)
[3]Seimens required on Inverter heat pump

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www.ahridirectory.org
Heat Pump Pool Heaters
AHRI Standard 1160