

*Sima*<sup>TM</sup>  
POOLS  
& SPAS

# HEAT PUMPS

Discover our models



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

EP-SIM50IV	Distinction 50 000 BTU Inverter Heat pump
EP-SIM65IV	Distinction 65 000 BTU Inverter Heat pump
EP-SIM80IV	Distinction 80 000 BTU Inverter Heat pump



# REVERSIBLE HEAT PUMP

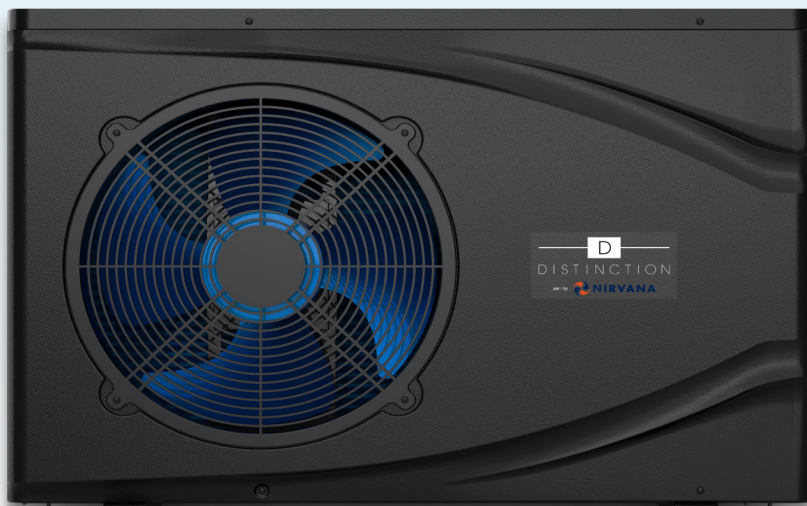
Distinction heat pump by Nirvana is the ideal solution to extend your summer and fully enjoy your pool. Thanks to its compact design, it can be installed discreetly, thus preserving the aesthetics of your yard. Its ABS housing with a metal structure and its insulated titanium exchanger give it exceptional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

## FEATURES

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- Double titanium heat exchanger for a larger surface area to maximize heat exchange
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- Metal-framed ABS housing for exceptional strength
- Quiet operation. Thanks to the compressor's acoustic sheath
- Performance tested in accordance with the AHRI certification program

## OUR MODELS

EP-SIM55      Distinction 55 000 BTU Heat pump  
EP-SIM75      Distinction 75 000 BTU Heat pump



## 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-SIM55	EP-SIM75
(80/80/80 - AHRI)	BTU <sup>1</sup>	11 600 - 50 500	14 400 - 64 800	17 800 - 77 000	55 000	75 000
	COP <sup>2</sup>	15,1 - 5,8	15,0 - 5,9	14,4 - 5,8	6,0	5,9
(80/63/80 - AHRI)	BTU	11 500 - 47 400	12 500 - 58 300	17 500 - 71 200	52 000	69 100
	COP	13,4 ~ 5,5	14,5 ~ 5,4	14,8 ~ 5,2	5,7	5,3
(50/63/80 - AHRI)	BTU	10 100 - 22 850	9 200 - 39 900	10 800 - 40 700	35 000	46 500
	COP	7,4 - 4,7	10,7 - 4,1	7,8 - 4,4	4,0	
REFRIGERANT		R410A				
BREAKER <sup>3</sup>		20/30	30	30/40	20/30	30
AMPS		6.5/10,5	8.1/13,5	11.9/17,9	14	18,5
DECIBEL		35 - 58	36 - 63		48	50
VENTILATION		18 INCHES	20 INCHES		16 INCHES	22 INCHES
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 FLOW (gpm)		22,72	28,75	32,58	15 - 60	
DIMENSIONS (Inches)		40 x 16 x 26	44,5 x 16,5 x 29,9		39,2 x 15,2 x 25.9	45,3 x 17,9 x 29.9
WEIGHT (Lbs)		108	160	176	135	190
WATER CONNECTION		1,5" WITH QUICK CONNECTION FITTINGS INCLUDED				
<b>WARRANTY</b>						
EXCHANGER		5 years				
PARTS AND LABOUR		5 years				
COMPRESSOR		5 years				

<sup>1</sup>BTU : British Thermal Unit (unit of thermal energy measurement)

<sup>2</sup>COP : Coefficient of performance (expression of heat pump efficiency)

<sup>3</sup>Seimens required on Inverter heat pump



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#MK0303