



## **INVERTER RESIDENTIAL POOL HEAT PUMP EXCELLENT Serie**

**Because excellence is a requirement for our clients. High performance for heating and cooling silently and with a modern design.**



# EXCELLENT SERIE

- ✓ Works at very low temperatures -15°C
- ✓ Precise temperature control -0.5°C
- ✓ Quick defrosting
- ✓ LCD screen + WIFI connection
- ✓ High COP, top blowing.



## Parametres

Model	NDE-HDS14-EX	NDE-HDS17-EX	NDE-HDS21-EX	NDE-HDS24-EX	NDE-HDS28-EX	NDE-HDS28T-EX	NDE-HDS32T-EX	
Advised pool volume (m <sup>3</sup> )(with cover)	25-50	30-60	40-75	50-90	60-100	60-100	70-120	
Working temperature (°C)	-15 a 43							
Heating*	Heating capacity (kW)	14,0-3,20	17,50-3,50	21,5-5,00	24,50-5,50	28,50-7,00	32,50-7,5	
	Heating capacity (BTU/h)	47600-10880	59500-11900	73100-1700	83300-18700	96900-23800	110200-25500	
	Input power (kW)	1,94-0,20	2,50-0,2	3,10-0,31	3,65-0,34	4,20-0,44	4,20-0,44	5,00-0,48
	COP	7,2-16,0	7,0-15,9	6,9-16,1	6,7-16,2	6,8-15,9	6,8-15,9	6,5-15,6
Heating**	Heating capacity (kW)	10,51-2,48	13,0-2,57	16,25-3,60	19,10-4,2	22,5-5,0	25,5-5,5	
	Heating capacity (BTU/h)	35734-8432	44200-8738	55250-12240	64940-14280	76500-1700	87720-18700	
	Input power (kW)	1,91-0,31	2,40-0,32	3,05-0,45	3,54-0,53	4,17-0,62	4,17-0,62	4,90-0,69
	COP	5,5-8,0	5,4-8,0	5,3-8,0	5,4-7,9	5,4-8,1	5,4-8,1	5,2-8,0
Cooling***	Capacity (kW)	9,2	11,5	13,8	15,7	18,4	20,7	
Noise (dB(A)) (1m)	40-49	40-50	42-51	43-52	43-53	43-53	43-54	
Noise (dB(A)) (10m)	18,5-27	45	45	46	46,5	46,5	47	
Heat exchanger	8,4-1,4	22,0-27,5	22,5-29,5	23-30	23,5-31	23,5-31	24-32	
Casing	Metal							
Power supply	220-240V / 1 Fs					380-400V/3Fs		
Diameter of pipe (mm)	ø50							
Intensity (A)	8,4-1,4	10,5-1,4	13,3-2,0	15,5-2,3	18,3-2,7	6,4-1,0	7,5-1,1	
Advised water flux (m <sup>3</sup> /H)	4-6	6-8	7-9	8-10	9-11	9-11	10-12	
Water Pressure Drop (max) kPa	4	5	7	10	13	13	15	
Net weight/Gross weight(kg)	80/95	100/115	150/170	160/170	220/250	230/260	230/260	
Body size(W*D*H)mm	719*708*768		767*824*867			916*904*922		
Refrigerant	R32							
Compressor	Panasonic							

heating\*: working condition, Water 26°C, Air 27°C, Humidity 80%

heating\*\*: working condition, Water 26°C, Air 15°C, Humidity 70%

Cooling\*\*\*: Water 28°C, Air 35°C, Humidity 80%

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