



Technical data

ECO THERMAL



Refrigerant gas



Heat and cold function



Wide operating range



Selectable temperature range



Remote control



DC Inverter compressor and fans



Various modes



High protection



Anti-legionella function

NOTES:

Nominal capacity based on the following conditions:

1. Air temperature 7°C DB, 85% R.H. ; Inlet / outlet of condensing water 30 / 35°C.
2. Air temperature 7°C DB, 85% R.H. ; Inlet / outlet of condensing water 40 / 45°C.
3. Air condensation at 35°C. Evaporation of the water inlet / outlet 23 / 18°C.
4. Air condensation at 35°C. Water evaporation inlet / outlet 12 / 7°C.
5. 1m in front of the fan in free field (acoustic pressure).
6. The above data were made according to the following standards: EN14511: 2013; EN14825: 2013; EN50564: 2011; (EU) N°: 811: 2013; (EU) N°: 813: 2013; OJ2014 / C 207/02: 2014.

MODEL (OUTDOOR UNIT)

		HTW-AV8WD2N1	HTW-AV10WD2N1	HTW-AV12WD2N1	HTW-AV16WD2N1	HTW-AV16WD2RN1
Power Supply	V,PHZ	220-240V (1 Phase ~ 50Hz)			380-415V (3 Phase ~ 50Hz)	

PERFORMANCE

Heating 1	Capacity	kW	8,00	10,00	12,10	15,50	15,50
	Nominal input	kW	1,73	2,17	2,74	3,82	3,79
	COP	-	4,62	4,61	4,42	4,06	4,09
Heating 2	Capacity	kW	7,34	10,12	11,85	16,05	15,48
	Nominal input	kW	2,13	2,93	3,48	5,03	4,87
	COP	-	3,45	3,45	3,41	3,19	3,18
Refrigeration 3	Capacity	kW	8,00	10,00	11,80	14,00	14,00
	Nominal input	kW	1,78	2,07	2,65	3,62	3,68
	EER	-	4,49	4,83	4,45	3,87	3,80
Refrigeration 4	Capacity	kW	6,44	9,39	11,02	12,85	12,91
	Nominal input	kW	2,24	3,26	4,17	5,39	5,52
	EER	-	2,88	2,88	2,64	2,38	2,34
Heating efficiency	Water outlet 35°C	kW	A++	A++	A++	A++	A++
	Water outlet 55°C	kW	A+	A+	A+	A+	A+
Ambient temperature range	Refrigeration	°C	-5 ~ 46				
	Heating	°C	-20 ~ 35				
	SHW	°C	-20 ~ 43				

FEATURES

Compressor	Type	Double rotation DC inverter					
Fan	Motor type	Brushless DC motor					
	Air flow	m³/h	5.120	6.500	6.500	6.500	6.500
Heat exchanger (air-water)		Trays					
Refrigerant	Type	-	R410				
	Charged	kg	2,8	3,9	3,9	3,9	4,2
Regulator type		-	Electric expansion valve				
Acoustic pressure	Heating	dB(A)	64	65	66	71	71
	Refrigeration	dB(A)	64	65	66	71	71

DIMENSIONS AND WEIGHT

Net dimensions (WxHxD)	mm	1.074x964x396	900x1.327x320	900x1.327x320	900x1.327x320	900x1.327x320
Net weight	Kg	73,8	109	109	109	109

CONNECTIONS

Liquid	Type	Flared				
	Diameter	Ø9,5				
Gas	Type	Flared				
	Diameter	Ø15,9				
Length	Min.	2				
	Max.	m	30	50	50	50
Height difference	Outdoor unit outside	m	20	30	30	30
	Outdoor unit inside	m	15	25	25	25
EAN CODE		8435483800502	8435483800656	8435483800519	8435483800526	8435483800533

MODEL (OUTDOOR UNIT)

MODEL (OUTDOOR UNIT)			HTW-AV8WD2N1	HTW-AV10WD2N1	HTW-AV12WD2N1
Power Supply		V,PHZ	220-240V (1 Phase ~ 50Hz)		380-415V (3 Phase ~ 50Hz)
PERFORMANCE					
Range température sortie d'eau	Heating	Low	°C		25~35, by default 35
		High	°C		35~60, by default 45
	Refrigeration	Low	°C		7~25, by default 7
		High	°C		18~25, by default 18
	SHW	°C		40~60, by default 45	
Range température ambiante	Capacity	kW		3,0	3,0
	Steps			2	2
DIMENSIONS AND WEIGHT					
Net dimensions (W×H×D)		mm	400x865x427	400x865x427	400x865x427
Net poids		Kg	43	54	54
CONNECTIONS					
Water circuit	Pipe connection diameter		mm	DN25	DN25
	Safety valve		Kpa	300	300
	Total volume		L	4,7	5,0
	Drain pipe		mm	Ø16	Ø16
	Expansion tank	Volume	L	3	3
		Max. pressure	Kpa	800	800
		Previous pressure	Kpa	150	150
	Heat exchanger (water)	Type	Flared		
		Volume	L	0,7	1,0
	Height of water pump		m.c.a.	6	7,5
Refrigeration circuit	Liquid	mm	Ø9,5	Ø9,5	
	Gas	mm	Ø15,9	Ø15,9	
EAN CODE			8435483800663	8435483800670	8435483800687

NOTES:

Nominal capacity based on the following conditions:

- Condition 1: Heating mode with air inlet at 7°C and water outlet at 35°C with Δ at 5°C, cooling mode with air inlet at 35°C and water outlet at 18°C with Δ at 5°C.
- Condition 2: Heating mode with air inlet at 7°C and water outlet at 45°C with Δ at 5°C, cooling mode with air inlet at 35°C and water outlet at 7°C with Δ at 5°C.
- The noise level is a test at 1m in front of the fan in the open field, in heating mode with air inlet at 7°C and water outlet at 35°C with Δ at 5°C.
- The above data were produced according to the following standards: EN14511.