HTW
QUALITY COMFORT EVERYWHERE

HPWH RANGE

The Solar Keymark
CEN Keymark Scheme

3 YEARS GARANTEE TOTAL
QUALITY COMMITMENT

R-32

55dB DEPENDING MODEL

EER 5,5

COP 5,1

ErP ready



ECO-THERMAL

MONOBLOCK PLUS

WiFi INCLUDED

Modbus gateway

Wiring control

DC inverter Compressor and fans

MODE Several modes

Hight protection

Anti-legionella function

Cascade

Smart grid

Compact design

Cold and heat mode

Amplio Wide range of functioning

Higher efficiency to low temperature

°C 5~60 Configurable range of temperature

MODEL			HTW-V4WD2N8PLUS	HTW-V8WD2N8PLUS	HTW-V12WD2N8PLUS	HTW-V16WD2N8PLUS
EAN CODE			8435483829701	8435483829718	8435483829725	8435483829732
Power supply		V,F,HZ	220-240V (1 Phase ~ 50Hz)			
PERFORMANCE						
Heater 1	Capacity	kW	4,25	8,40	12,1	15,9
	Rated input	kW	0,82	1,63	2,44	3,53
	COP	-	5,10	5,15	4,95	4,50
	SCOP	-	4,85	5,21	4,81	4,62
Heater 2	Capacity	kW	4,30	8,10	12,3	16,0
	Rated input	kW	1,13	2,10	3,32	4,57
	COP	-	3,80	3,85	3,70	3,50
Heater 3	Capacity	kW	4,40	7,50	11,9	16,0
	Rated input	kW	1,49	2,36	3,90	5,61
	COP	-	2,95	3,18	3,05	2,85
Refrigeration 4	Capacity	kW	4,50	8,30	12,00	14,5
	Rated input	kW	0,82	1,64	3,04	4,38
	EER	-	5,50	5,05	3,95	3,40
	SEER	-	7,77	8,95	7,1	6,75
Refrigeration 5	Capacity	kW	4,70	7,45	11,5	14,0
	Rated input	kW	1,36	2,22	4,18	5,60
	EER	-	3,45	3,35	2,75	2,50
Heating efficiency	Water outlet 35°C	kW	A+++			
	Water outlet 55°C	kW	A++			
Ambient temperature range (Heat pump)	Refrigeration	°C	-5 ~ 43			
	Heater	°C	-25 ~ 35			
	DHW	°C	-25 ~ 43			
Water outlet temperature range	Refrigeration	°C	5 ~ 30			
	Heater	°C	12 ~ 65			
	DHW (tank)	°C	10 ~ 60			
FEATURES						
Compressor	Type		Twin-rotary DC inverter			
Fan	Type of motor		DC motor 1 unit			
Heat exchanger (air)			Finned tube			
Heat exchanger (water)			Plates			
Water pump height		m.c.a.	10,5			
Expansion tank		L	8			
Refrigerant	Type	-	R32			
	Charge	kg	1.4		1.75	
Regulator type		-	Electronic expansion valve			
Support electrical resistance	Estandard	kW	-			
	Opctional	kW	3			
	Stages (Capacity)		1			
	Power supply	V/F/Hz	220/1/50			
Sound pressure (Heater 1)	Heater	dB(A)	55	59	65	68
DIMENSIONS AND WEIGHT						
Net dimensions (W×H×D)		mm	1295×792×429	1385×945×526	1385×945×526	
Gross dimensions (W×H×D)		mm	1375×945×475	1465×1120×560	1465×1120×560	
Net / gross weight		Kg	98/121	121/148	144/170	
CONNECTIONS						
Water pipe connections		in.	G1"BSP	G1-1/4"BSP	G1-1/4"BSP	G1-1/4"BSP
Security valve		MPa	0,3			
Total water volume - Minimal installation		L	15L	15L	25L	25L

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55dB DEPENDING MODEL

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ECO-THERMAL

MONOBLOCK PLUS

MODEL			HTW-V16WD2RN8PLUS	HTW-V22WD2RN8PLUS	HTW-V30WD2RN8PLUS
EAN CODE			8435483829749	8435483829756	8435483829763
Power supply		V,F,HZ		380-415V (3 Phase ~ 50Hz)	
PERFORMANCE					
Heater 1	Capacity	kW	15,9	22	30,1
	Rated input	kW	3,53	5	7,7
	COP	-	4,50	4,40	3,91
	SCOP	-	4,62	4,53	4,19
Heater 2	Capacity	kW	16,0	22	30
	Rated input	kW	4,57	6,5	10,3
	COP	-	3,50	3,40	2,90
Heater 3	Capacity	kW	16,0	22	30
	Rated input	kW	5,61	8,30	13,04
	COP	-	2,85	2,65	2,30
Refrigeration 4	Capacity	kW	14,50	23	31
	Rated input	kW	4,38	5	7,7
	EER	-	3,40	4,60	4,00
	SEER	-	6,71	5,67	5,71
Refrigeration 5	Capacity	kW	14,0	21	29,5
	Rated input	kW	5,60	7,1	11,5
	EER	-	2,50	2,95	2,55
Heating efficiency	Water outlet 35°C	kW	A+++	A+++	A++
	Water outlet 55°C	kW	A++	A++	A+
Ambient temperature range (Heat pump)	Refrigeration	°C	-5 ~ 43	-5 ~ 46	
	Heater	°C		-25 ~ 35	
	DHW	°C		-25 ~ 43	
Water outlet temperature range	Refrigeration	°C		5 ~ 25	
	Heater	°C		25 ~ 65	
	DHW (tank)	°C		30 ~ 60	
CHARACTERISTICS					
Compressor	Type			Twin-rotary DC inverter	
Fan	Type of motor		DC motor 1 unit	DC motor 2 units	
Heat exchanger (air)				Finned tube	
Heat exchanger (water)				Plates	
Water pump height		m.c.a.		10,5	
Expansion tank		L		8	
Refrigerant	Type	-		R32	
	Charge	kg	1.75 kg	5 kg	
Regulator type		-		Electronic expansion valve	
Support electrical resistance	Estandard	kW		–	
	Opctional	kW	9	3	
	Stages (Capacity)			1	
	Power supply	V/F/Hz		380/3/50	
Sound pressure (Heater 1)	Heater	dB(A)	68	73	77
DIMENSIONS AND WEIGHT					
Net dimensions (W×H×D)		mm	1385×945×526	1129x1558x440	
Gross dimensions (W×H×D)		mm	1465×1120×560	1220x1735x565	
Net / gross weight		Kg	160 / 188	177 / 206	
CONNECTIONS					
Water pipe connections		in.	G1-1/4"BSP	G1-1/4"BSP	G1-1/4"BSP
Security valve		MPa		0,3	
Total water volume - Minimal installation		L		25	

Notes:

1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02.
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 40°C, LWT 45°C.
4. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C.
5. Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
6. Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
7. Seasonal space heating energy efficiency class tests in average climate conditions.
8. Test standard:EN12102-1.

KEYMART SOLAR CERTIFICATION	
Code	**Registration number**
HTW-V4WD2N8PLUS	041-K007-03
HTW-V8WD2N8PLUS	041-K007-06
HTW-V12WD2N8PLUS	041-K007-09
HTW-V16WD2N8PLUS	041-K007-09
HTW-V16WD2RN8PLUS	041-K007-09
HTW-V22WD2RN8PLUS	041-K007-11
HTW-V30WD2RN8PLUS	041-K007-11

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