

HPWH RANGE



Vitrified Aerothermal Accumulator VAV R290



MODEL			HTW-AT-V100MR290A	HTW-AT-V160MR290A	HTW-AT-V200MR290A	HTW-AT-V300MR290A
EAN CODE			8435483861565	8435483861596	8435483861602	8435483861633
Power supply		V/Hz	220-240V (1 Phase ~ 50Hz)			
PERFORMANCE						
Heat capacity¹	Total power	kW	1,10	1,10	1,60	1,60
Declared profile			M	L	L	XL
Nominal power		W	500	500	700	700
Resistance capacity		kW	1,5	1,5	1,5	1,5
DHW	Recovery time²	h	4,6	7,8	7,1	11,5
	COP (7/6°C) EN161474 Average climate	W/W	2,73	2,86	2,95	3,02
	Energy class⁴	-	A+	A+	A+	A+
	SCOP	W/W	2,73	2,86	2,95	3,02
	Recovery time	h	3,95	6,4	5,76	9,36
	COP (20/15°C)⁴	W/W	3,13	3,4	3,53	3,68
	Energy class⁴		A++	A+	A+	A+
SCOP (14/13°C) Warm climate		W/W	3,10	3,32	3,40	3,44
STORAGE						
Capacity		L	100	160	200	300
Continuous flow rate		L/h	23,6	23,6	34,4	34,4
		bar	10	10	10	10
Maximum DHW outlet temperature		°C	75	75	75	75
Programmable temperature		°C	10-75	10-75	10-75	10-75
DHW tank quality		-	Vitrified	Vitrified	Vitrified	Vitrified
Protection		-	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode
Input		In.	g 1/2	G ¾	G ¾	G ¾
DHW output		In.	g 1/2	G ¾	G ¾	G ¾
Condensate outlet		In.	g 1/2	g 1/2	g 1/2	g 1/2
External tank quality		-	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Thickness		mm	0,50	0,50	0,50	0,50
Painted	Thickness	mm	0,05	0,05	0,05	0,05
Insulation	Material	-	Polyurethane	Polyurethane	Polyurethane	Polyurethane
	Thickness	mm	50	50	45	50
TECHNICAL FEATURES						
Electrical protection		-	IPX1	IPX1	IPX1	IPX1
Heat exchanger		-	Microchannel	Microchannel	Microchannel	Microchannel
Type of compressor type		-	Rotary	Rotary	Rotary	Rotary
Refrigerant gas		-	R290	R290	R290	R290
Refrigerant load		kg	0,15	0,15	0,15	0,15
GWP		-	3	3	3	3
CO2 Equivalent		T	0,00045	0,00045	0,00045	0,00045
Air duct Ø		mm	160	160	160	160
Maximum duct length	(Smooth and rigid duct, I+R)	m	20	20	20	20
Fan		W/rpm	40/900	40/900	60/1130	60/1130
Air flow rate		m³/h	240	250	350	350
Sound power		dB(A)	55	55	56	56
Wifi		-	Yes	Yes	Yes	Yes
Smart grid ready		-	Yes	Yes	Yes	Yes
DIMENSIONS						
Net dimensions (WxHxD)		mm	Ø510x1230	Ø510x1700	Ø560x1750	Ø640x2010
Gross Dimensions (WxHxD)		mm	570x1290x570	570x1800x570	629x1892x629	695x2145x695
Net/gross weight		kg	59/ 72	73/ 83	86/ 106	117/ 140

Note: 1. Capacities and energy consumptions based on the following conditions: - Heating: Ambient temperature 20 °C/15 °C, Water temperature 15 °C to 55 °C
2. Heating capacities and heating time according to ERP (EN16147) for Stage A, water temperature heating from 10 °C to 53 °C. 3. Standby power input based on ERP (EN16147) for Stage B. 4. COP and Energy Class based on ERP (EN16147) for Stage C with M / L / XL threading cycle. 5. Sound tested according to EN 12102 with water at 50 °C.