

The *First* Ever Domestic Heat Pump with *Pad Design*

Zealux[®]
365 Days GreenHome



INVERBOOST
PAD



A+++

R290

R32



[2025]



INVERBOOST PAD

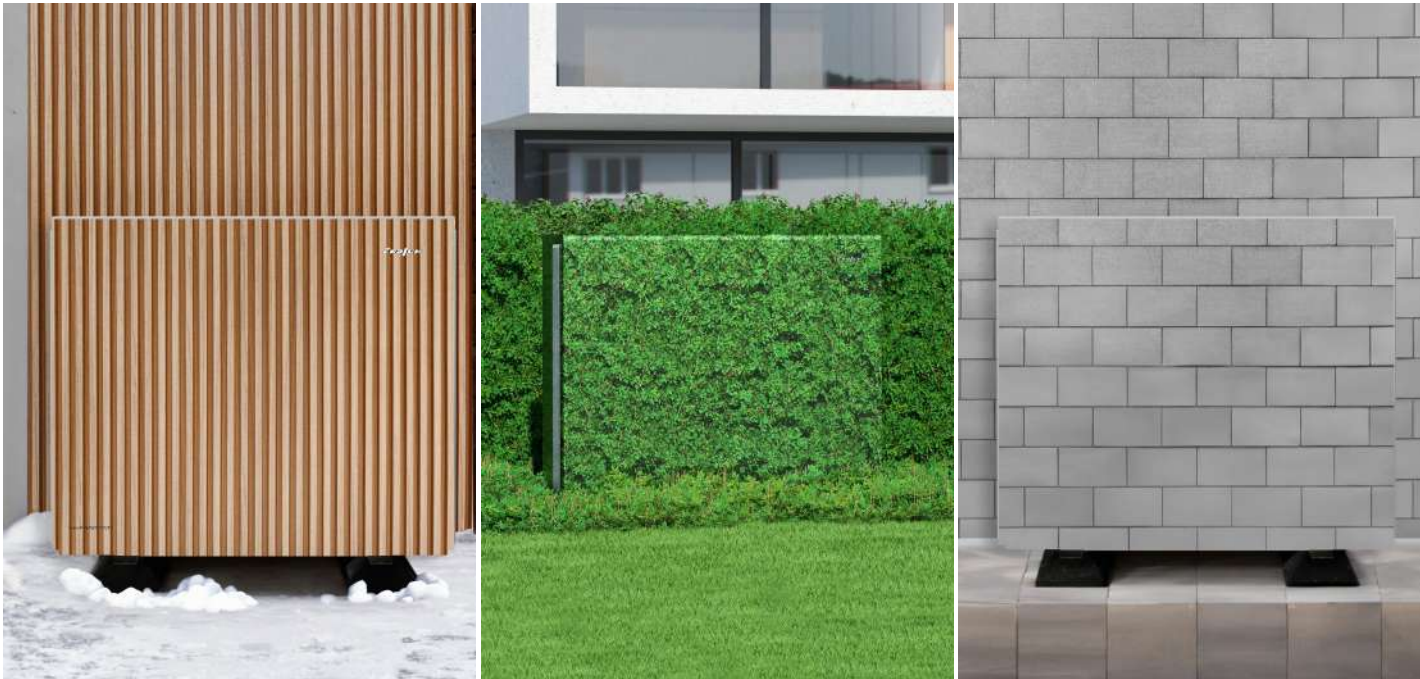
Revolutionary Innovation for an Unparalleled Experience



Side Airflow Innovation



Say goodbye to cold drafts! The Zealux Inverboost PAD's advanced centrifugal fan directs air from the sides, enhancing your comfort without the chill of direct front airflow.



Design and integration with the building

Designed with aesthetics in mind, the heat pump features a hidden fan and can be seamlessly concealed with decorative panels, stones, or plants, maintaining the beauty of your space. Perfect for high-end residences, villas, or commercial properties where style meets function.



FULL
INVERTER

A+++



R290

R32

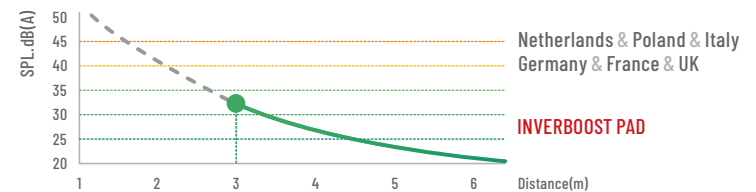


12-70°C

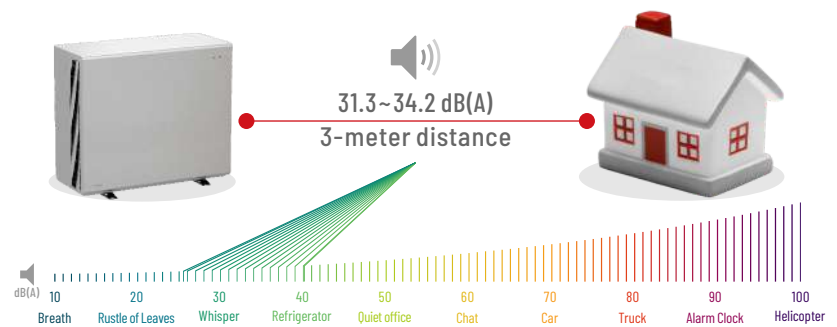


Triple Soundproofing, Reducing Noise by 80%

Maintaining regulatory adherence across all EU markets



Noise issues are a common cause of neighborhood conflicts. The low-noise design of the Zealux Inverboost PAD effectively mitigates complaints related to heat pump operation, improving the living experience for users.



ALL-IN-ONE

All-in-One monobloc design, easy installation.
The best combination of energy efficiency and living comfort for new construction and renovation.

Stable operation at low temperature with the EVI technology.



INVERBOOST PAD

-35°C  43°C

Solar Hot Water Panel



Hydro Box



DHW Cylinder



Gas Boiler



Pool Exchanger



Buffer Tank

Floor Heating



Radiator



Fan Coil



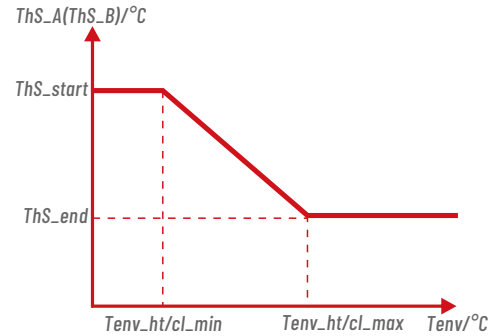
Domestic Hot Water



Pool Heating

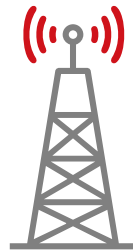


Spa Heating



32 Fixed+1 Custom Temperature Curves

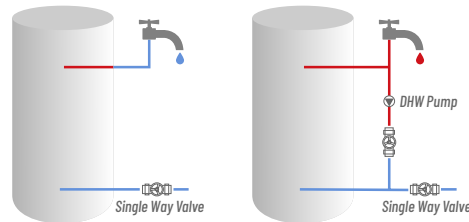
With the temperature curve function, the heat pump adjusts the water temperature automatically according to changes in ambient temperature. When the ambient temperature rises or falls, the heat load decreases or increases accordingly, and the water temperature adjusts automatically. There are 32 fixed temperature curves and 1 custom curve (Climate Compensation Curve) to meet diverse temperature needs.



Smart Grid

The heat pump adjusts its operating state based on different digital signals provided by the smart grid, achieving improved efficiency, load balancing, energy storage integration, and enhanced grid stability.

— Hot Water — Cold Water

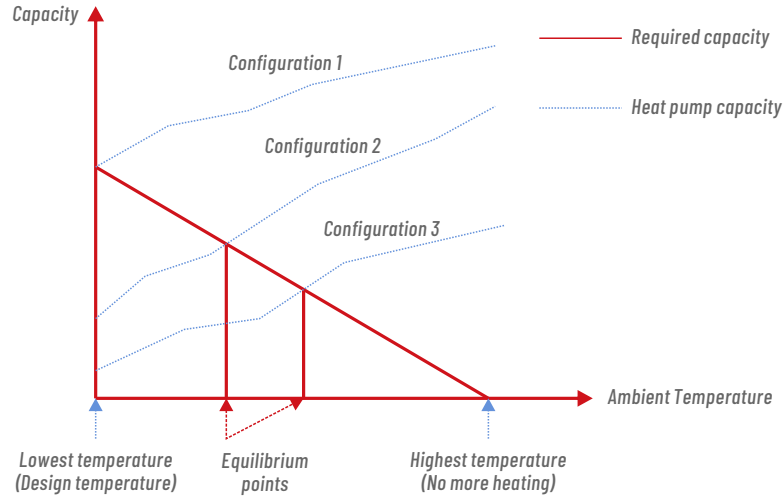


DHW Pump Function

The DHW pump function is designed to circulate water from the pipes back to the hot water tank based on a pre-set schedule. Users can configure up to 12 timers per day, allowing them to customize the pump's operation according to their daily routines, ensuring that hot water is readily available without long time waiting.

Flexible System Configuration

The Zealux heat pump system offers flexibility by allowing the electric heater to be turned on or off and to operate simultaneously with auxiliary heat sources, such as a boiler. The selected configuration will determine the appropriate size of the heat pump required. Below are three common configuration options.



Dual Zone Control

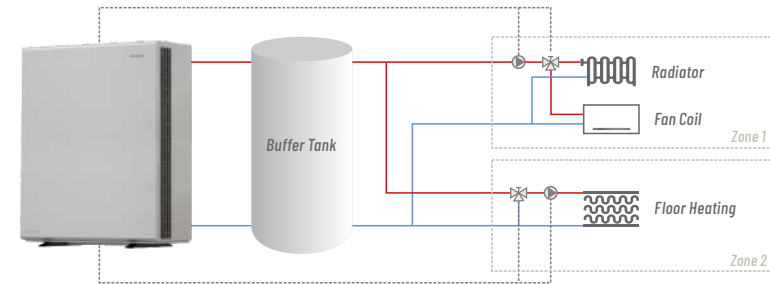
Dual-zone temperature control is available in heating mode, allowing for precise temperature regulation across different areas to accommodate various daily requirements.

1. Wired Controller Only

Wired controller manages mode, temperature and power. Zone 1 is regulated by the outgoing water temperature, while Zone 2 can be managed either by the same parameter or by the built-in sensor within the wired controller.

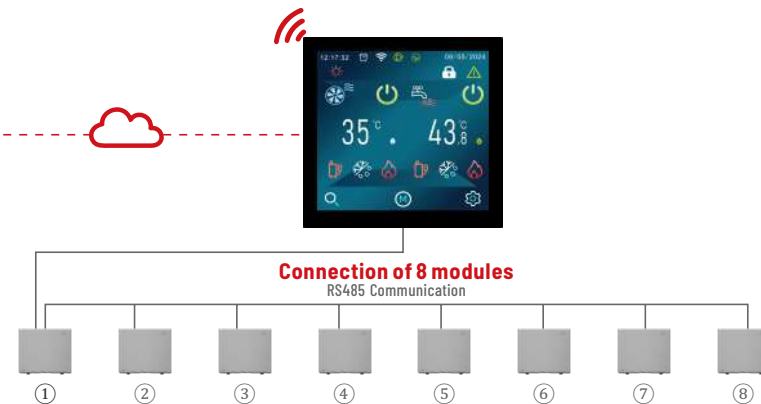
2. Wired Controller with Thermostat


The wired controller sets the mode and water temperature, while both Zone 1 and Zone 2 are directly controlled by individual thermostats.






Multi-Module Cascade System

When the heating/cooling demand necessitates an increase in capacity, the system can be seamlessly expanded by integrating additional modular units. A single controller can manage up to 8 modules, ensuring efficient and scalable operation.



Efficiency data 			Unit	XAH07Csi9-S	XAH10Csi9-S	XAH12Csi9-S	XAH12Csi9T-S	XAH16Csi9T-S
Suggested buffer tank				60L	60L	60L/80L	60L/80L	80L/100L
Heating at Air 7°C, Water 30/35°C	Heating capacity	kW	7.08	10.01	12.04	12.07	16.03	
	Power input	kW	1.57	2.21	2.63	2.65	3.52	
	COP		4.51	4.53	4.57	4.55	4.56	
Heating at Air 7°C, Water 50/55°C	Heating capacity	kW	7.10	10.09	12.08	12.09	16.05	
	Power input	kW	2.35	3.29	3.88	3.93	5.19	
	COP		3.02	3.07	3.11	3.08	3.09	
Heating at Air -7°C, Water 30/35°C	Heating capacity	kW	4.66	6.47	7.84	7.83	10.48	
	Power input	kW	1.52	2.09	2.52	2.53	3.38	
	COP		3.07	3.09	3.11	3.09	3.10	
Heating at Air -7°C, Water 50/55°C	Heating capacity	kW	4.52	6.41	7.71	7.71	10.34	
	Power input	kW	1.95	2.80	3.28	3.34	4.42	
	COP		2.32	2.29	2.35	2.31	2.34	
Cooling at Air 35°C, Water 23/18°C	Cooling capacity	kW	7.01	10.11	12.13	11.95	16.09	
	Power input	kW	1.74	2.50	2.98	2.91	3.91	
	EER		4.03	4.04	4.07	4.10	4.11	
Cooling at Air 35°C, Water 12/7°C	Cooling capacity	kW	6.74	9.60	11.53	11.44	15.29	
	Power input	kW	2.21	3.13	3.81	3.70	4.93	
	EER		3.05	3.07	3.03	3.09	3.10	
Compressor type			Inverter compressor					
Power supply			220-240V/50Hz/1PH			380-415V/50Hz/3PH		
Rated heating capacity			7	10	12	12	16	
Max power input			2.35	3.29	3.88	3.93	5.19	
Rated current			13.0	18.0	21.0	8.0	10.0	
Minimum fuse current			16.0	22.0	26.0	12.0	13.0	
Suggested water flux			1.2	1.7	2.1	2.1	2.8	
Water connection			G1"	G1"	G1"	G1"	G1 1/4"	
Sound pressure level (1m)			41.3	42.0	42.3	42.7	42.4	
Sound pressure level (3m)			31.8	32.5	32.8	33.2	32.9	
Heat exchanger			Plate heat exchanger					
Net weight			103	109	117	117	127	
Gross weight			123	129	137	137	147	
Net dimension			1100×475×957	1100×475×957	1190×475×1050	1190×475×1050	1120×465×1418	
Packing dimension			1160×570×1100	1160×570×1100	1250×570×1355	1250×570×1355	1174×560×1563	

*The above data is only a reference. Please refer to the nameplate on the unit.

Efficiency data   			Unit	XAH07Csiu32-S	XAH10Csiu32-S	XAH12Csiu32-S	XAH12Csiu32T-S	XAH16Csiu32T-S
Suggested buffer tank				60L	60L	60L/80L	60L/80L	80L/100L
Heating at Air 7°C, Water 30/35°C	Heating capacity	kW	7.18	10.13	12.04	12.01	16.18	
	Power input	kW	1.53	2.21	2.59	2.58	3.54	
	COP		4.70	4.58	4.65	4.65	4.57	
Heating at Air 7°C, Water 50/55°C	Heating capacity	kW	6.90	9.54	11.47	11.48	15.83	
	Power input	kW	2.13	3.04	3.57	3.58	4.99	
	COP		3.24	3.14	3.21	3.21	3.17	
Heating at Air -7°C, Water 30/35°C	Heating capacity	kW	6.23	8.60	10.14	10.09	10.71	
	Power input	kW	1.97	2.68	3.14	3.09	3.43	
	COP		3.17	3.21	3.23	3.27	3.12	
Heating at Air -7°C, Water 50/55°C	Heating capacity	kW	5.86	8.21	9.68	9.64	13.11	
	Power input	kW	2.63	3.72	4.46	4.40	6.01	
	COP		2.23	2.21	2.17	2.19	2.18	
Heating at Air -15°C, Water 30/35°C	Heating capacity	kW	5.37	7.51	9.01	9.15	12.11	
	Power input	kW	1.95	2.67	3.15	3.18	4.34	
	COP		2.75	2.81	2.86	2.88	2.79	
Heating at Air -15°C, Water 50/55°C	Heating capacity	kW	5.03	6.97	8.40	9.00	11.31	
	Power input	kW	2.78	3.89	4.49	4.86	6.35	
	COP		1.81	1.79	1.87	1.85	1.78	
Heating at Air -22°C, Water 30/35°C	Heating capacity	kW	5.01	7.97	8.44	8.56	11.33	
	Power input	kW	1.95	3.05	3.25	3.33	4.44	
	COP		2.57	2.61	2.60	2.57	2.55	
Heating at Air -22°C, Water 50/55°C	Heating capacity	kW	4.00	5.50	6.50	6.72	8.90	
	Power input	kW	2.63	3.72	4.22	4.45	6.14	
	COP		1.52	1.48	1.54	1.51	1.45	
Cooling at Air 35°C, Water 23/18°C	Cooling capacity	kW	7.10	10.01	11.92	11.90	16.07	
	Power input	kW	1.82	2.61	3.14	3.08	4.24	
	EER		3.91	3.83	3.80	3.86	3.79	
Cooling at Air 35°C, Water 12/7°C	Cooling capacity	kW	6.76	9.61	11.31	11.40	15.31	
	Power input	kW	2.24	3.24	3.91	4.00	5.43	
	EER		3.02	2.97	2.89	2.85	2.82	
Compressor type			Inverter compressor					
Power supply			220-240V/50Hz/1PH			380-415V/50Hz/3PH		
Rated heating capacity			7	10	12	12	16	
Max power input			2.78	3.89	4.49	4.86	6.35	
Rated current			15.0	21.0	24.5	9.0	12.0	
Minimum fuse current			19.0	26.0	31.0	12.0	15.0	
Suggested water flux			1.2	1.7	2.1	2.1	2.8	
Water connection			G1"	G1"	G1"	G1"	G1"	
Sound pressure level (1m)			40.8	41.2	43.4	43.5	43.7	
Sound pressure level (3m)			31.3	31.7	33.9	34.0	34.2	
Heat exchanger			Plate heat exchanger					
Net weight			103	109	117	117	127	
Gross weight			123	129	137	137	147	
Net dimension			1100×475×957	1100×475×957	1190×475×1050	1190×475×1050	1120×465×1418	
Packing dimension			1160×570×1100	1160×570×1100	1250×570×1200	1250×570×1200	1174×560×1563	

*The above data is only a reference. Please refer to the nameplate on the unit.

Verified Reliability



EU KEYMARK



EU ErP



EU CE



UK UKCA



UK MCS



GER TÜV



GER BAFA



GER SG Ready



ISO9001 Quality Management System



ISO14001 Environmental Management System



ISO45001 Occupational Health and Safety Management Systems

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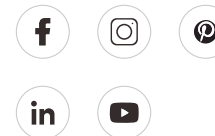
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