Zealux®
365Days GreenHome

TUV A+++, the ***FIRST*** INVERBOOST
Leading ***Next-generation*** Pool & SPA Heating Solutions
with ***Government Subsidies***

Saving the planet

Garden design

365 Days
4-Seasons

H&P 2024-2025

ZEALUX® Group has always followed the idea of

"365 Days Green Home",

and integrates environmental

protection into every corporate decision.

The ZEALUX® Group is one of the world's leading manufacturers of heating, cooling and heat pump systems. For more than 20 years, the ZEALUX® Group has been committed to providing its customers with an outstanding quality of life. We combine heating, cooling, domestic hot water with renewable energies to provide the most energy-efficient, climate-compensated solution for any building or home. We have adopted ***"365 Days Green Home"*** as a strategic goal for sustainable development, aiming to protect our common home.

2020-2021

Ultra-silent ZEALUX® UX solution
with a cutting edge back-discharge design.

2017-2018

Upgraded solution using new refrigerant gas R32

2013-2015

The first INVERBOOST® was introduced.
Achieved the highest efficiency in the industry.

2022-2023

Meet multi-functional needs of home heating.

2019-2020

Innovative INVERBOOST® PX solution with
extra 20% heating capacity by turbo function.

2016-2017

Narrowed the price gap between
inverter-driven and traditional ON/OFF system.

1999-2012

Focused on the reliability issues at the first two
years, winning recognition for over 10+ years.

365 Days Green Home

Saving each penny for the planet.

Customized for your garden, no more ugly rusting.

Winter for house, summer for Pool & SPA , hot water everyday.

BENEFITS FOR END-USERS

ENERGY EFFICIENCY
TUV A+++

INTELLIGENT
CONTROL

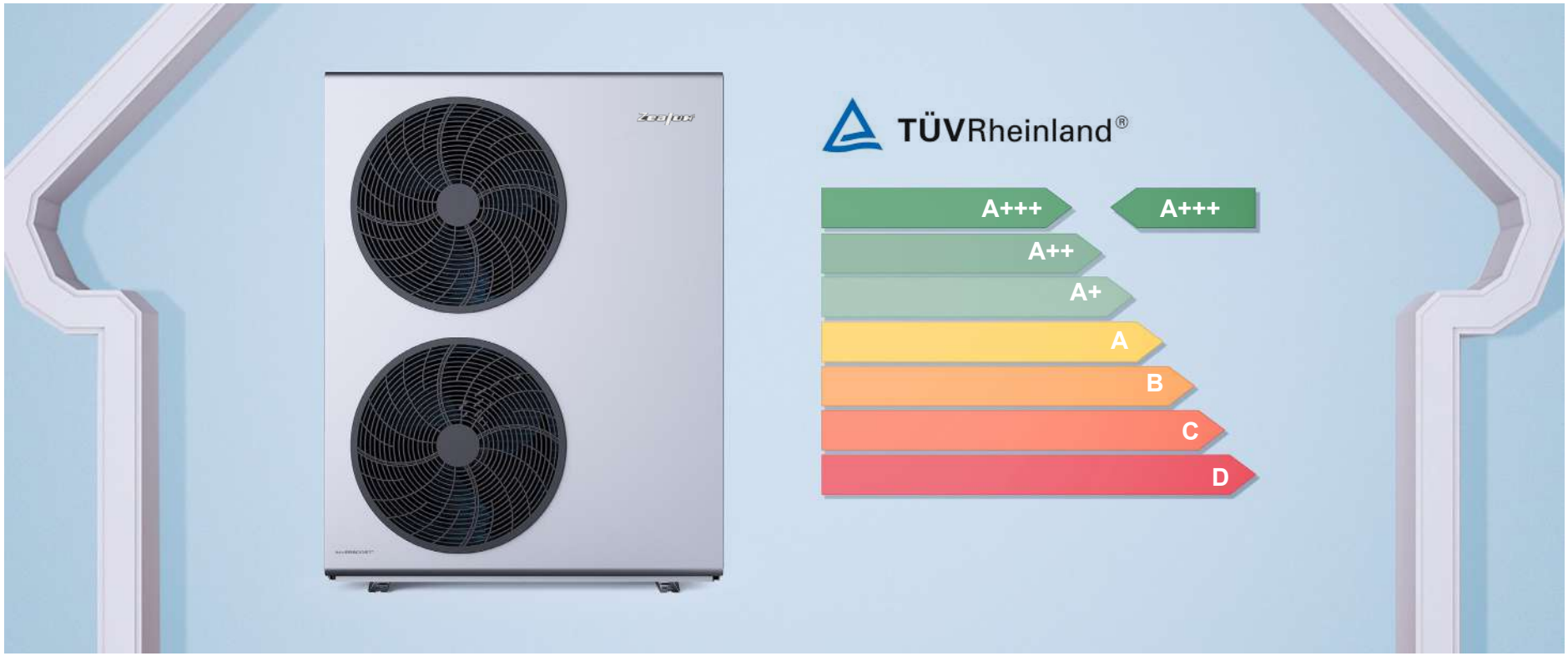
VERIFIED
RELIABILITY

MODERN MINIMALIST
AESTHETIC DESIGN

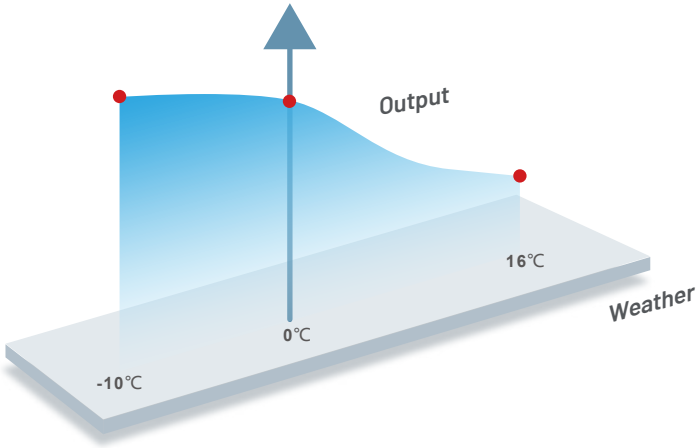
QUIET &
COMFORTABLE

MORE
APPLICATION


Saving the planet



Weather compensation to achieve the highest Seasonal COP



With TUV A+++, the ZEALUX® heat pump adpots the new-generation INVERBOOST® full inverter technology to maximize COP performance with an efficiency increase of 30%.

Thanks to its intelligent adjustment, ZEALUX® heat pumps work more efficiently and keep your energy bill as low as possible. Less consumption, same output.

INTELLIGENT CONTROL

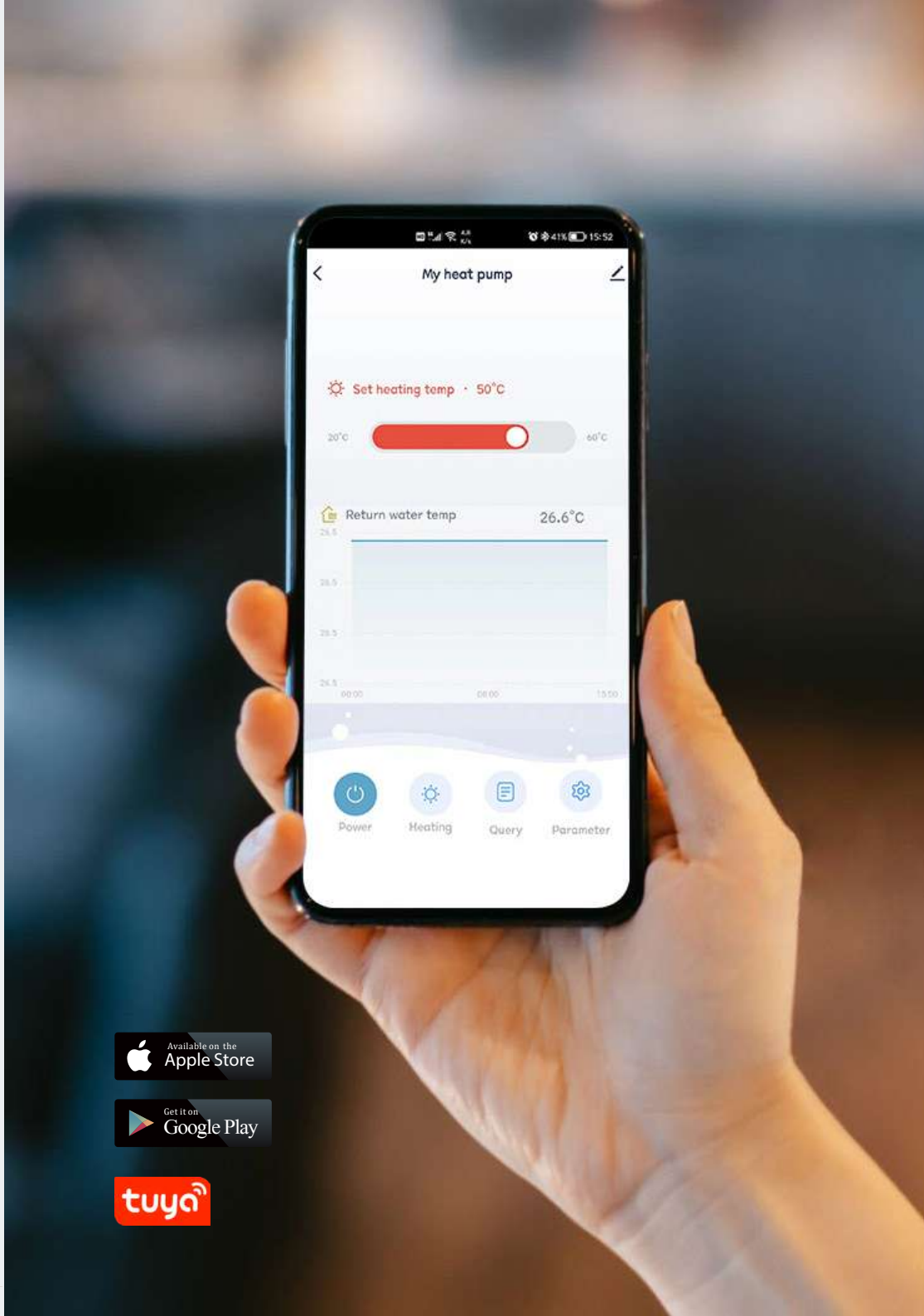
Thanks to the smartphone remote control app, “TUYA SMART”, homeowners can simplify smart home management.
Via the app, it's simple to set the desired temperature anytime anywhere and maintain a warm indoor environment through subtle and continuous adjustments, resulting in a further reduction of running costs—saving each penny.

KEY ADVANTAGES

*Multi-functional designs retain home comfort and low-carbon life.
*User-friendly operations easily control the entire heating and cooling system.
*Colorful and visual user interfaces display data accurately and intuitively.

- Switch ON/OFF
- Set temperature and operating parameters
- Switch operation mode
- Check heat pump running status
- Set timer

Offer smart option for the interactive communication between end-users and technicians and provide instructions for after-sales and troubleshooting.



Saving the planet

Heat pumps are a win-win: great for home owners, and great for the planet.
ZEALUX® heat pump is eligible for various subsidies that can save big on your heating and cooling system.

EUROPE HEAT PUMP SUBSIDIES ONGOING

UK

Boiler Upgrade Scheme:

£7500(€ 8714)subsidy for air source heat pumps and £7500(€ 8714) for ground source heat pumps for new buildings and retrofits.

Germany

Die bisherige Förderung des Bundesamtes für Wirtschaft und Ausfuhrkontrolle (BAFA):

Ein Zuschuss von bis zu 15.000 € ist verfügbar, bis zu 18.000 € vor 2030 für nachgerüstete Luftwärmepumpen.

France

MaPrimeRenov and Coup De Pouce chauffage:

Pour les propriétés existantes, une subvention pouvant aller jusqu'à 15 000 € est disponible pour les pompes à chaleur géothermiques, et jusqu'à 9 000 € pour les pompes à chaleur air-air.

Italy

Fiscal bonus scheme:

Tre regimi di sgravi fiscali che coprono il 50-110% dei costi delle pompe di calore per i progetti di ristrutturazione.

Poland

Czyste powietrze:

Do €2,300 dotacji na modernizację powietrznych pomp ciepła;
W przypadku istniejących nieruchomości, do €15,000 dotacji na gruntową pompę ciepła, do €9,000 na powietrzną pompę ciepła.

Moja energia elektryczna:

Dotacja do €1,060 na powietrzne pompy ciepła i pompy ciepła do ciepłej wody użytkowej w połączeniu z systemami fotowoltaicznymi i magazynowaniem energii;

Moje ciepło:

Dotacja do €1,500 na instalacje pomp ciepła w nowych budynkach;

Ulga podatkowa na modernizację:

Ulga podatkowa do €3,600 na modernizację pomp ciepła.

For more details on heat pump subsidies, please refer to the European Heat Pump Association (EHPA)

website : https://www.ehpa.org/subsidies-for-residential-heat-pumps-in-europe/

At present, the governments of most countries are actively promoting the application of heat pumps and subsidy policies, which shows that the broad prospect of heat pump as a green renewable energy. The choice of heat pump is not only a powerful practice of low-carbon life, but also a stable and reliable home heating solution. We will continue to pay attention to the heat pump subsidy policy, to provide more efficient, more environmentally friendly products, as well as more intimate service, so that our customers use our heat pump more economically and conveniently.

Garden design

REAL BENEFITS FOR YOUR GARDEN

Modern Minimalist Aesthetic Design

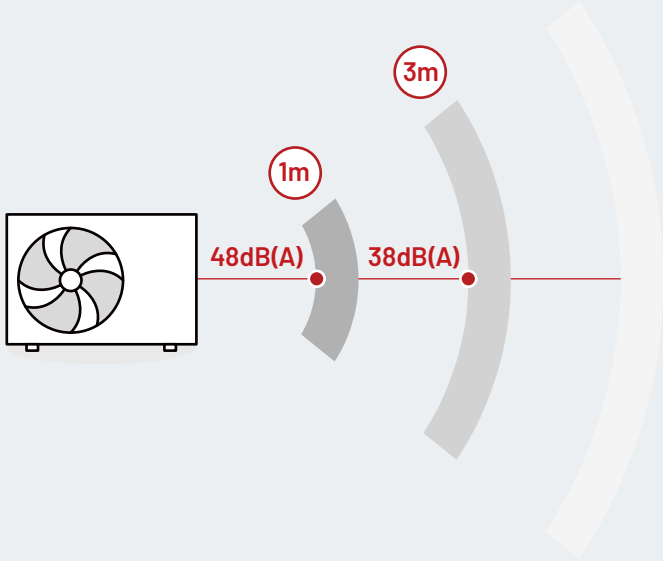
The minimal design, at the crossroads of contemporary aesthetics and functionality, demonstrates a harmonious fusion between advanced technology and elegance and blends seamlessly into your garden. It uses premium materials and processing to achieve rust-free perfection in each and every detail. We balance quality and craftsmanship, creating harmonious spaces for your garden.

Proven Reliability & Modern Design & Rust proofing & Easier Maintenance

Hidden screws

Silent Operation

ZEALUX® heat pumps adopt innovative technology to reduce noise with an impressive 20% quieter operation. Invest in our low-noise heat pumps to enjoy a quieter and more harmonious living environment.



7 YEARS WARRANTY

- MONOBLOC COMPACT DESIGN
- SPACE-SAVING
- EASY INSTALLATION & MAINTENANCE

MORE APPLICATION

ZEALUX®Multi-functional Air to Water Heat Pump is a unique system that offers a total solution for heating space in winter and heating the Pool & SPA in summer, bringing year-round benefits of hot water for your entire household!

The all-in-one design guarantees your absolute comfort whenever you wish.

ALL-IN-ONE DESIGN

The new-generation INVERBOOST® with full-inverter technology is designed for house heating in winter,additional heating for Pool&SPA in summer, 365 days green home.

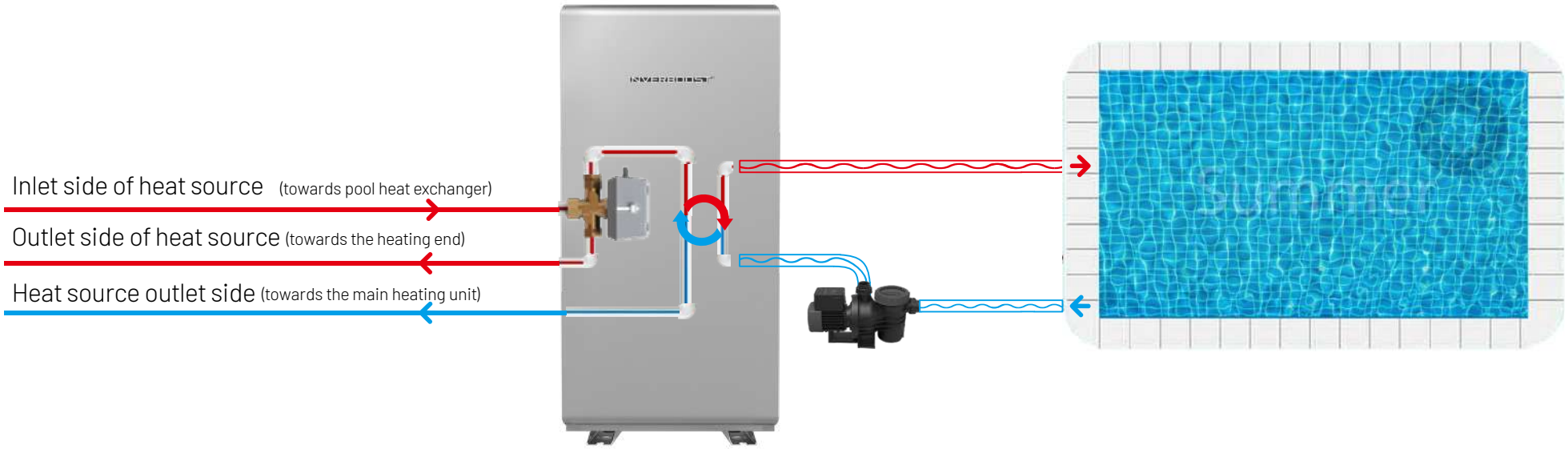
Quiet and efficient home heating/ cooling function brings the ideal temperature to your house.

ZEALUX® cylinders provide hot water up to 65°C.

Multiple heat pump connections: underfloor heating, fan coils, or radiators.

Discover our unique and sustainable solution, an exceptional innovation that redefines simplicity and efficiency. With a simple installation operating with an air-to-water heat pump, the pool exchanger acts as a media to heat and cool the swimming and spa pool, extend the use of air-to-water heat pump through seasons and lower the heat pump's seasonal vacancy rate.

The full use of air-to-water heat pump and pool exchanger achieves maximum efficiency, making it a wise and ideal choice for users' needs.



Threaded titanium exchanger, high efficiency heat transfer, corrosion resistance.

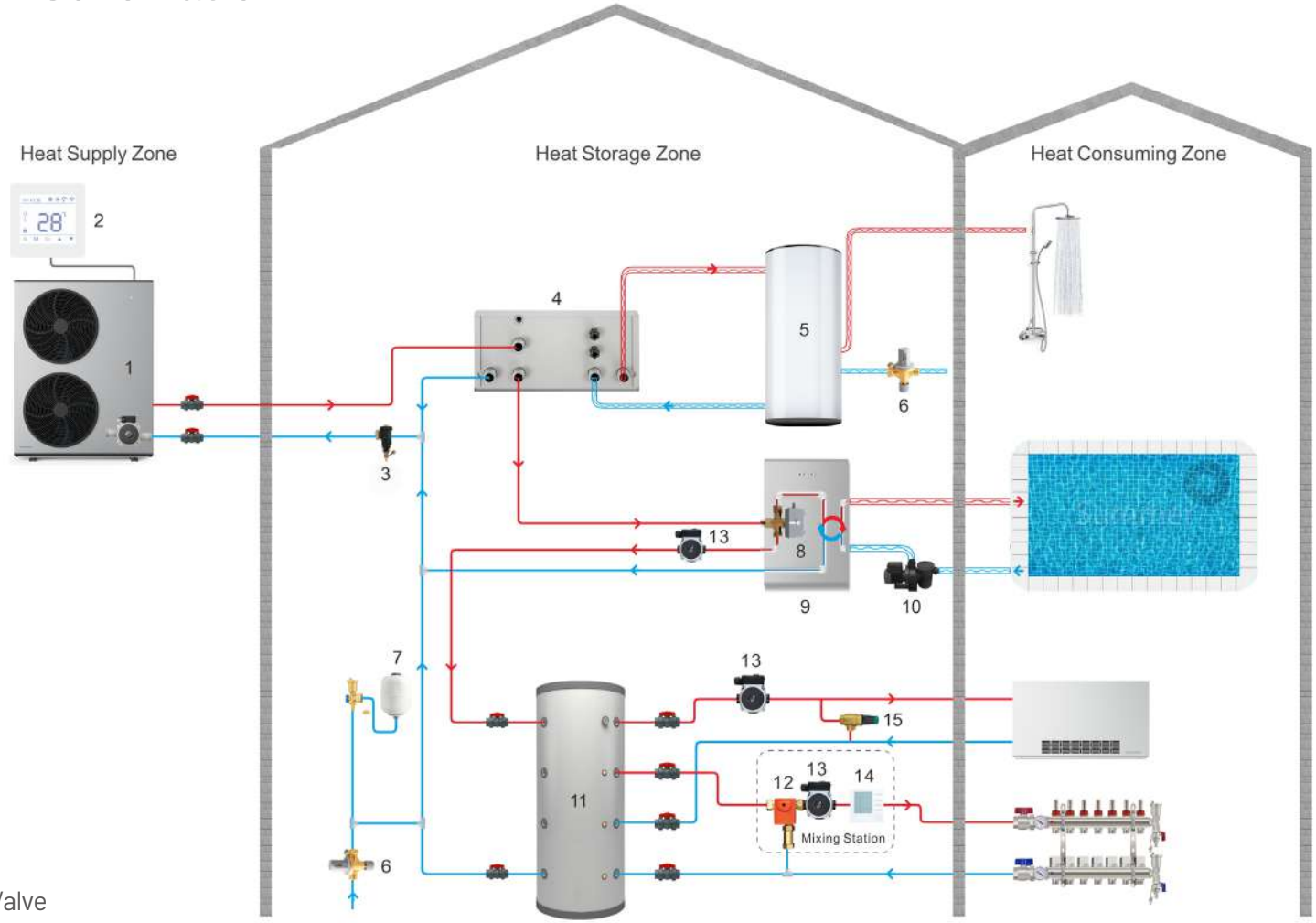
Compact and space-saving.

Smart TUYA APP, remote control available.

Suitable for use with residential heat pumps , extending Pool&SPA seasons.

System Installation Schematic

① Monobloc Unit
② Controller (Monobloc Unit)
③ Magnetic Particle Filter
④ Hydro Box
⑤ DHW Cylinder
⑥ Aotumatic Water Refill Valve
⑦ Expansion Vessel
⑧ 3 Way Electromagnetic Valve
⑨ Heat Exchanger for Pool
⑩ Circulation Water Pump
⑪ Buffer Tank
⑫ Mixer Valve
⑬ Circulation Pump
⑭ Controller (Mixing Station)
⑮ Differential Pressure Bypass Valve



ZEALUX INVERBOOST Air to Water Heat Pump for house heating / domestic hot water / Pool&SPA heating, Plate heat exchanger, R32, Horizontal, CE standard, A+++

Zealux model (-15°C ~ 43°C)			XAH07Csi32	XAH10Csi32	XAH12Csi32	XAH16Csi32	XAH12Csi32T	XAH16Csi32T
Suggested buffer tank			60L	60L	60L/80L	80L/100L	60L/80L	80L/100L
Heating at Air 7℃, Water 30/35℃	Heating capacity	kW	7.21	10.11	12.03	16.52	12.00	16.18
	Power input	kW	1.53	2.38	2.62	3.91	2.58	3.62
	COP		4.70	4.25	4.59	4.23	4.65	4.47
Heating at Air 7℃, Water 50/55℃	Heating capacity	kW	7.15	9.73	11.97	16.22	12.00	15.83
	Power input	kW	2.49	3.21	3.89	6.12	3.90	4.99
	COP		2.87	3.03	3.08	2.65	3.08	3.17
Heating at Air -7℃, Water 30/35℃	Heating capacity	kW	3.98	6.53	7.74	10.71	7.50	10.71
	Power input	kW	1.27	2.16	2.45	3.52	2.37	3.49
	COP		3.14	3.02	3.16	3.04	3.17	3.07
Heating at Air -7℃, Water 50/55℃	Heating capacity	kW	3.68	6.83	7.60	10.80	7.40	10.86
	Power input	kW	1.73	3.10	3.41	5.40	3.66	5.43
	COP		2.13	2.20	2.23	2.00	2.02	2.00
Pool &SPA Side at Air 15°C, Water 28°C	Heating capacity	kW	8.79	8.70	8.77	8.88	6.5	9.62
	Power input	kW	1.35	1.44	1.46	1.47	0.96	1.58
	COP		6.51	6.04	6.01	6.04	6.78	6.09
General Data								
Compressor type			Inverter compressor					
Power supply		V	220-240V/50Hz/1PH				380-415V/50Hz/3PH	
Rated heating capacity		kw	7	10	12	16	12	16
Max power input		kw	3.34	3.89	5.43	6.51	5.43	6.37
Rated current		A	14.0	16.0	23.0	26.0	12.0	12.0
Minimum fuse current		A	17.0	20.0	28.0	32.0	15.0	15.0
Suggested water flux		m^3/h	1.2	1.7	2.1	2.8	2.1	2.8
Water connection			G1"	G1"	G1"	G1"	G1"	G1"
Sound pressure level (1m)		dB(A)	48	51	56.3	57.5	55.3	56.1
Sound pressure level (3m)		dB(A)	38	41.5	46.8	48	45.8	46.6
Heat exchanger			Plate heat exchanger					
Net weight		kg	70	76	99	107	99	107
Gross weight		kg	86	92	117	125	117	125
Net dimension		mm	1076*456*860	1076*456*860	1052*453*1260	1052*453*1260	1052*453*1260	1052*453*1260
Packing dimension		mm	1140*536*1005	1140*536*1005	1110*533*1405	1110*533*1405	1110*533*1405	1110*533*1405

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

ZEALUX INVERBOOST EVI Air to Water Heat Pump for House heating / domestic hot water / pool heating, Plate heat exchanger, R32, Horizontal, CE standard, A+++

Zealux model	-25°C ~ 43°C		XAH10Csiu32	XAH12Csiu32T	XAH19Csiu32T	XAH26Csiu32T
Suggested buffer tank			60L	60L/80L	80L/100L	80L/100L
Heating at Air 7℃, Water 30/35℃	Heating capacity	kW	10.11	12.00	19.00	26.00
	Power input	kW	2.38	2.58	4.08	5.60
	COP		4.25	4.65	4.66	4.65
Heating at Air 7℃, Water 50/55℃	Heating capacity	kW	9.73	12.00	18.78	26.00
	Power input	kW	3.21	3.90	6.16	8.45
	COP		3.03	3.08	3.05	3.06
Heating at Air -7℃, Water 30/35℃	Heating capacity	kW	6.53	7.50	11.88	16.25
	Power input	kW	2.16	2.37	3.74	5.14
	COP		3.02	3.17	3.17	3.16
Heating at Air -7℃, Water 50/55℃	Heating capacity	kW	6.83	7.40	11.72	16.03
	Power input	kW	3.10	3.66	5.58	7.63
	COP		2.20	2.02	2.10	2.10
Heating at Air -15℃, Water 30/35℃	Heating capacity	kW	7.96	9.31	15.02	20.55
	Power input	kW	3.04	3.23	5.25	7.16
	COP		2.61	2.88	2.86	2.87
Heating at Air -15℃, Water 50/55℃	Heating capacity	kW	6.91	9.25	14.71	20.13
	Power input	kW	3.74	4.44	7.09	9.68
	COP		1.85	2.08	2.08	2.08
Heating at Air -22℃, Water 30/35℃	Heating capacity	kW	6.76	7.66	11.73	16.10
	Power input	kW	3.01	3.27	5.57	7.00
	COP		2.25	2.35	2.11	2.30
Heating at Air -22℃, Water 50/55℃	Heating capacity	kW	4.87	5.18	11.00	15.10
	Power input	kW	4.10	4.77	7.90	12.00
	COP		1.19	1.09	1.39	1.26
General Data						
Compressor type			Inverter compressor			
Power supply		V	220-240V/50Hz/1PH	380-410V/50Hz/3PH		
Rated heating capacity		kw	10	12	19	26
Max Power Input		kw	3.68	4.61	6.58	8.56
Rated Current		A	16.0	6.0	10.0	13.0
Minimum fuse current		A	20.0	8.0	12.0	16.0
Suggested water flux		m³/h	1.7	2.1	3.3	3.8
Water connection			G1 "	G1 "	G1 1/4"	G1 1/4"
Sound pressure level (1m)		dB(A)	51	55.3	56.1	57.4
Sound pressure level (3m)		dB(A)	41.5	45.8	46.6	47.5
Heat exchanger			Plate heat exchanger			
Net weight		kg	76	99	125	145
Gross weight		kg	92	117	146	166
Net dimension		mm	1076*456*860	1052*453*1260	1190*440*1380	1255*460*1460
Packing dimension		mm	1140*536*1005	1110*533*1405	1230*520*1525	1355*550*1600

*The data above are only for reference.Please refer to the nameplate on the unit.

ZEALUX INVERBOOST Air to Water Heat Pump for House heating / domestic hot water / pool heating, Plate heat exchanger, R290, Horizontal, CE standard, A+++

Zealux model			XAH07Csi9	XAH10Csi9	XAH12Csi9	XAH16Csi9T
-25°C ~ 43°C						
Suggested buffer tank			60L	60L	60L/80L	80L/100L
Heating at Air 7℃, Water 30/35℃	Heating capacity	kW	7.00	10.00	12.07	16.00
	Power input	kW	1.56	2.22	2.68	3.56
	COP		4.50	4.50	4.50	4.50
Heating at Air 7℃, Water 50/55℃	Heating capacity	kW	7.00	10.00	12.00	16.00
	Power input	kW	2.33	3.33	4.00	5.33
	COP		3.00	3.00	3.00	3.00
Heating at Air -7℃, Water 30/35℃	Heating capacity	kW	4.00	7.00	8.00	11.00
	Power input	kW	1.29	2.26	2.58	3.55
	COP		3.10	3.10	3.10	3.10
Heating at Air -7℃, Water 50/55℃	Heating capacity	kW	4.00	7.00	8.00	11.00
	Power input	kW	1.82	3.18	3.64	5.00
	COP		2.20	2.20	2.20	2.20

General Data

Compressor type		Inverter compressor			
Power supply	V	220-240V/50Hz/1PH			380-415V/50Hz/3PH
Rated heating capacity	kw	7	10	12	16
Max power input	kw	3.20	3.60	3.60	7.20
Rated current	A	10.6	16.0	6.0	11.0
Minimum fuse current	A	14.0	20.0	9.0	14.0
Suggested water flux	m^3/h	1.2	1.7	2.1	2.8
Water connection		G1"	G1"	G1"	G1 1/4"
Sound pressure level (1m)	dB(A)	51	55.3	56.1	56.3
Sound pressure level (3m)	dB(A)	41.5	45.8	46.6	46.8
Heat exchanger		Plate heat exchanger			
Net weight	kg	76	99	107	125
Gross weight	kg	92	117	125	146
Net dimension	mm	1076*456*860	1052*453*1260	1052*453*1260	1190*440*1380
Packing dimension	mm	1140*536*1005	1110*533*1405	1110*533*1405	1230*520*1525

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

ZEALUX INVERBOOST Air to Water Heat Pump for house heating / domestic hot water / Pool&SPA heating, Plate heat exchanger, R32,Horizontal, CE standard, A+++

MODEL		XAH07Csi32-WX17	XAH10Csi32-WX17	XAH12Csi32-WX25	XAH16Csi32-WX25	XAH12Csi32T-WX25	XAH16Csi32T-WX25
* Performance at Air 15℃, Water 28℃, Humidity 70%							
Turbo heating capacity	kW	10.62	14.99	18.61	24.17	18.35	24.44
Standard heating capacity	kW	8.79	8.7	8.77	8.88	6.5	9.62
Power consumption	kW	1.35	1.44	1.46	1.47	0.96	1.58
COP		6.51	6.04	6.01	6.04	6.78	6.09
* Performance at Air 28℃, Water 28℃,Humidity 80%							
Turbo heating capacity	kW	12.96	18.59	23.77	28.19	23.41	28.38
Standard heating capacity	kW	12.39	12.53	13.38	14.32	10.47	14.31
Power consumption	kW	1.35	1.38	1.45	1.55	0.87	1.58
COP		9.18	9.08	9.22	9.24	12.03	9.05
* General data							
Compressor type		Inverter compressor					
Voltage	V	220-240V/50Hz or 60Hz/1PH				380-415V/50Hz/3PH	
Rated heating capacity At A7/W35	kW	7	10	12	16	12	16
Rated current	A	14.0	16.0	23.0	26.0	12.0	12.0
Minimum fuse	A	17.0	20.0	28.0	32.0	15.0	15.0
Advised water flux at Turbo Mode	m^3/h	2.58	2.63	2.92	2.72	3.03	3.05
Advised gear at optional Turbo pump		HS1	HS1	HS3	HS3	HS3	HS3
Water connection at HP		G1"	G1"	G1"	G1"	G1"	G1"
Heat exchanger at HP/PHE		Plate heat exchanger/ Twist-titanium tube in PVC					
Connection to HP at PHE		DN32					
Connection to Pool at PHE		DN50					
Fan quantity		1	1	2	2	2	2
Ventilation type		Horizontal					
* Dimension/ Weight							
Net weight (HP)	kg	70	76	99	107	99	107
Gross weight (HP)	kg	86	92	117	125	117	125
Net dimension (HP)	mm	1076*456*860	1076*456*860	1052*453*1260	1052*453*1260	1052*453*1260	1052*453*1260
Packing dimension (HP)	mm	1140*536*1005	1140*536*1005	1110*533*1405	1110*533*1405	1110*533*1405	1110*533*1405
Net weight (PHE)	kg	30	30	40	40	40	40
Gross weight (PHE)	kg	35	35	47	47	47	47
Net dimension (PHE)	mm	445*350*845	445*350*845	445*350*1006	445*350*1006	445*350*1006	445*350*1006
Packing dimension (PHE)	mm	595*395*876	595*395*876	595*395*1036	595*395*1036	595*395*1036	595*395*1036

The data above is for reference.Please refer to the nameplate on the unit. HP: Air to water heat pump; PHE: Pool heat exchanger.

Verified Reliability

EU KEYMARK

EU ErP

UK UKCA

UK MCS

GER TüV

GER BAFA

GER SG Ready

ISO9001 Quality Management System

ISO14001 Environmental Management System

Occupational Health and Safety Management Systems

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