

Verified Reliability



ISO9001 Quality
Management
System



ISO14001
Environmental
Management System



ISO45001 Occupational
Health and Safety
Management Systems

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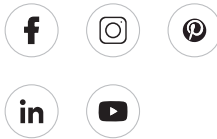
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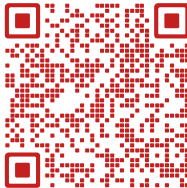
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Stay Tuned with Us



www.zealux.com



Leading Next-Generation Heating & Cooling Solutions for Pool and Spa



2025
Catalog



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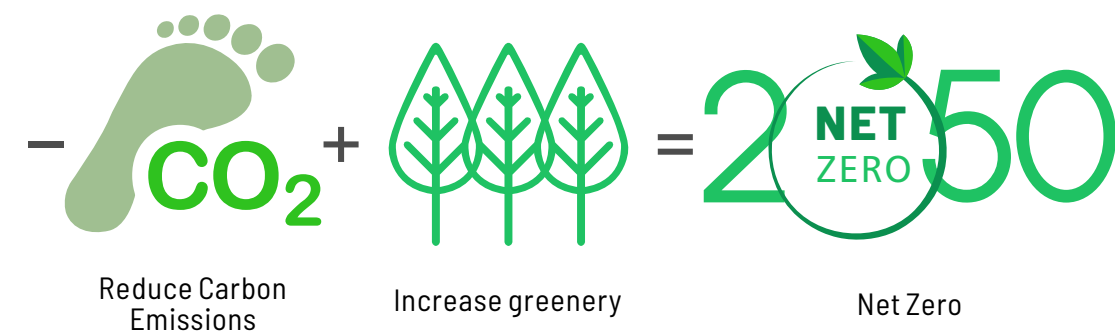
01

Who is ZEALUX®

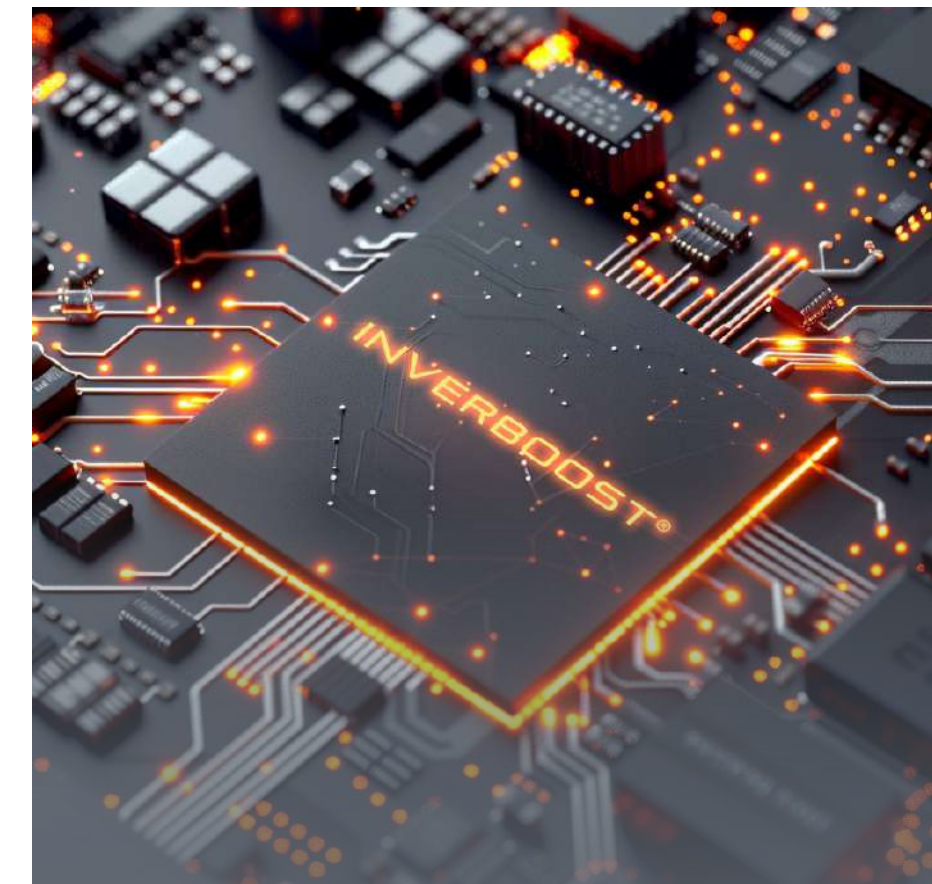
ZEALUX® Group is a global leader in advanced heating and cooling heat pump systems. With over 20 years of innovation, we specialize in integrating heating, cooling, domestic hot water, and renewable energy to provide energy-efficient solutions for homes and buildings.

Guided by a vision of sustainability and environmental stewardship, we have established "365 Days Green Home" as our strategic goal. By leveraging cutting-edge technology and a deep commitment to renewable energy, ZEALUX® is leading the charge toward a greener, more sustainable future for generations to come.

Much of the carbon dioxide in the atmosphere originates from fossil energy sources for heating and hot water systems. We need to replace oil, coal and gas with renewable energy sources that minimise the lasting damage to our planet.



Zealux's product range offers the best solutions for both the environment and humanity.



INVERBOOST® Full-inverter Technology Since 2013

For over a decade, INVERBOOST® fully inverter technology has been specifically designed to reduce energy consumption and ensure optimal performance. Our signature full inverter technology serves as the cornerstone for developing energy efficient and eco-friendly products, which are tailored for Space Heating and Cooling, Pool and SPA Heating and Cooling.

Born For Innovation

- **2025** *Pioneering the launch of the compact Inverboost Master commercial pool heat pump.*
- **2024** *Launched a one-stop solution for HVAC engineering needs, including R290 and EVI ultra-low temperature heat pump series.*
- **2022-2023** *Expanded home heating solutions to meet multifunctional household needs.*
- **2020-2021** *Introduced the ultra-silent ZEALUX® UX solution with a cutting-edge back-discharge design.*
- **2019-2020** *Developed INVERBOOST® PX solution with a turbo function, increasing heating capacity by 20%.*
- **2017-2018** *Adopted environmentally friendly R32 refrigerant.*
- **2016-2017** *Narrowed the price gap between inverter-driven and traditional ON/OFF systems.*
- **2013-2015** *Launched the first INVERBOOST® model, setting a new industry standard for efficiency.*
- **1999-2012** *Focusing on enhancing product reliability, earning industry recognition for over a decade.*

Zealux, a global company.

-  Zealux Headquarter
-  Zealux EU Headquarter
-  Zealux EU Branch
-  Global Sales Centre
-  Production site
-  R&D Centres
-  Heat Pump Academy





What sets our inverter heat pumps apart?



Full Inverter ^{TECH}

Adopting the latest INVERBOOST® Fully Inverter Technology, it saves 35% more energy compared to ON-OFF heat pumps.



Multiple Modes

Function modes: Heating, Cooling Power modes: Powerful, Smart, Silent Automatic mode; Timer mode; Night mode Users can choose different operation modes according to their needs.



WiFi Control

Built-in WiFi allows users to remotely control the pool & spa heat pump via a mobile app, providing convenient smart management and real-time monitoring.



Smart Protection

Intelligent anti-freezing, intelligent defrosting, Overheat protection, overload protection, automatic screen lock (child lock), etc.



Smart Energy Saving

Automatically adjusts the operating frequency based on water temperature, ambient temperature, and user-set temperature, preventing the energy waste caused by the frequent start-stop cycles of traditional fixed-frequency devices. This ensures optimal energy efficiency and extends the equipment's lifespan.



Smart Timer

The time setting is flexible, allowing users to schedule the operation of the pool heat pump according to their needs, including specific start and end times, night-time timed quiet mode, and repeat modes.

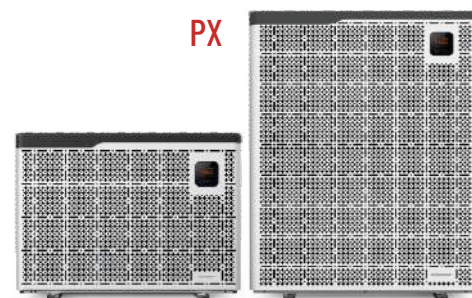
02 Zea/uh® Product Series



Suitable for Domestic Pools & Spas
Residential



Suitable for Domestic Pools & Spas
Residential



Suitable for Domestic Pools & Spas
Residential



Suitable for Domestic Pools & Spas
Residential



Suitable for Commercial Pools



Suitable for Commercial Pools
Public pool series



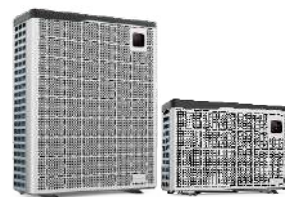
Suitable for Above-ground small pools



Aluminum plate with a cross-star pattern, featuring a unique design, excellent gloss, toughness, UV resistance, and weather resistance.



Enjoy up to 30% energy savings and market-leading efficiencies, even during peak summer days. With three heating modes, gain maximum control over your pool's temperature — all seamlessly integrated into your smart home system for unparalleled convenience.



PX series delivers full range of models, available from 9kW up to 35 kW, meeting requirements of all residential pools.

INVERBOOST® PX+

Inverter Heat Pump Series

INVERBOOST PX+ Series: R32, Heating & Cooling with smart Defrosting, CE Standard

Efficiency data	Unit	PX+09	PX+11	PX+14	PX+16	PX+20	PX+25	PX+30	PX+35	PX+25T	PX+30T	PX+35T
Advised pool volume (with pool cover)	m ³	10-26	12-35	16-60	18-66	28-85	58-120	65-132	78-156	58-120	65-132	78-156

* Performance at Air 28°C, Water 28°C, Humidity 80%

Turbo Heating capacity	kW	9	11	14	16	20	25	30	35	25	30	35
Smart Heating capacity	kW	7	9	11	14	16	20	26	30	20	26	30
Power consumption	kW	1.34-0.21	1.64-0.14	2.08-0.18	2.39-0.2	2.99-0.24	3.73-0.29	4.55-0.37	5.22-0.5	3.73-0.29	4.55-0.37	5.22-0.5
C.O.P.		16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.6	16-6.6	16-6.7	16-6.6	16-6.6
C.O.P. at 50% capacity		10.2	10.2	10.2	10.4	10.3	10.3	10.3	10	10.3	10.3	10

* Performance at Air 15°C, Water 26°C, Humidity 70%

Turbo Heating capacity	kW	6.6	7.9	9.5	11.2	15	18	22	24	18	22	24
Smart Heating capacity	kW	5	6.6	7.9	9.5	11.2	15	18	22	15	18	22
Power consumption	kW	1.32-0.32	1.58-0.24	1.9-0.25	2.24-0.29	3-0.38	3.6-0.49	4.4-0.68	4.8-0.7	3.6-0.49	4.4-0.68	4.8-0.7
C.O.P.		7.9-5	8-5	8-5	8-5	8.2-5	8.2-5	8.2-5	8.2-5	8.2-5	8.2-5	8.2-5
C.O.P. at 50% capacity		6.7	6.7	6.8	6.8	6.7	6.7	6.7	6.2	6.8	6.7	6.2

* General data

Compressor type	Inverter compressor													
	Voltage	V	220-240V/50Hz/1PH								380-415V/50Hz/3PH			
			Rated current	A	5.8	7.2	9.2	10.5	13.2	16.5	20.2	23	5.9	7
	Minimum fuse	A	10	12	15	16	22	28	32	38	11	13	16	
	Advised water flux	m ³ /h	2.5	3	3.7	4	5	6	8	10	6	8	10	
	Water pressure drop	Kpa	12	12	14	15	15	18	20	25	18	20	25	
	Heat exchanger	Twist Titanium exchanger												
	Water connection	mm	50											
	Fan quantity	1						2		1		2		
	Ventilation type	Horizontal												
Sound pressure at 10m	dB(A)	≤27	≤27	≤28	≤29	≤30	≤31	≤32	≤33	≤31	≤32	≤33		
Sound pressure at 1m	dB(A)	38-50	39-51	40-52	40-54	40-54	41-56	42-60	42-60	41-56	42-60	42-60		
Net weight	kg	53	60	62	67	93	95	128	131	95	128	131		
Gross weight	kg	60	67	69	74	100	102	135	138	102	135	138		
Net dimension	mm	862×357×590		989×375×690			1077×425×890		1403×410×1295		1077×425×890		1403×410×1295	
Packing dimension	mm	925×445×735		1105×410×835			1140×510×1035		1155×460×1440		1140×510×1035		1155×460×1440	

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



INVERBOOST® Master Commercial

Inverter Heat Pump Series



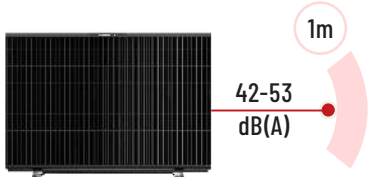
Compact Elegance for Commercial Pools

Designed with a more compact size and a sleek, modern appearance. This innovative solution not only saves space but also enhances aesthetic appeal, making it the perfect choice for commercial pool heating with efficiency and style.



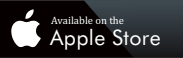
Modular design

Flexible adaptation to pools of various sizes; you can connect multiple units together to form your pool system.



Best-in-class for Low Noise Levels

Equipped with state-of-the-art compressor sound-absorbing foam that reduces noise levels to approximately 43 dB(A), the Commercial range is proud to offer our customers an oasis of tranquillity.



-12°C



43°C

R32

INVERBOOST Master Commercial Series: R32, Full inverter, Heating & Cooling with smart Defrosting, CE Standard

Efficiency data	Unit	CM250	CM350	CM450	CM600
Advised pool volume (with pool cover)	m ³	65-100	85-120	100-140	150-260
* Performance at Air 28°C, Water 28°C, Humidity 80%					
Turbo Heating capacity	kW	25	35	45	60
Smart Heating capacity	kW	20	30	36	52
Power consumption	kW	3.62-0.29	4.93-0.55	8.03-1.63	10.71-2.62
C.O.P.		7.1	7.1	5.6	5.6
C.O.P. at 50% capacity		11.2	11.2	10.3	10.4
* Performance at Air 15°C, Water 26°C, Humidity 70%					
Turbo Heating capacity	kW	18	24	30	45
Smart Heating capacity	kW	16	22	24	36
Power consumption	kW	3.53-0.55	4.62-0.73	6.67-1.25	10.47-2.47
C.O.P.		5.1	5.2	4.5	4.5
C.O.P. at 50% capacity		7.2	7.2	7.4	7.4
* General data					
Compressor type		Inverter compressor			
Compressor quantity		1	1	1	1
Voltage		380-415V/50Hz/3PH			
Rated current	A	6.5	8.8	14.4	16.5
Minimum fuse	A	12	17	22	25
Advised water flux	m³/h	8	15	20-28	26-35
Water pressure drop	Kpa				
Heat exchanger		Titanium exchanger in PVC			
Water connection	mm	63			
Fan quantity		1	2		
Ventilation type		Horizontal			
Sound pressure at 10m	dB(A)	≤36	≤38	≤40	≤42
Sound pressure at 1m	dB(A)	41-51.6	42.8-52	41-58	43-62
Refrigerant Type		R32			
Net weight	kg	86	109	117	135
Gross weight	kg	102	128	158	190
Net dimension	mm	1076×456×860	1052×453×1260	1190×471×1411	1255×471×1460
Packing dimension	mm	1135×495×1005	1110×505×1411	1250×525×1561	1315×530×1611

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



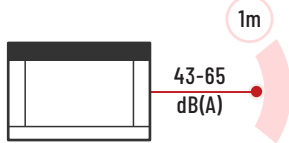
FULL
INVERTER

-12°C43°C

R410A

INVERBOOST® Commercial

Inverter Heat Pump Series



Best-in-class for Low Noise Levels

Equipped with state-of-the-art compressor sound-absorbing foam that reduces noise levels to approximately 43 dB(A), the Commercial range is proud to offer our customers an oasis of tranquility.

Double & Stable Inverter Heating System

The commercial series utilizes dual independent compressor systems, enabling individual operation based on system demand. This design also provides redundancy and stability, so rest assured.



Modular design

Flexible adaptation to pools of various sizes; you can connect multiple units together to form your pool system.

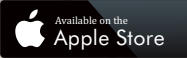
Also available in classic Commercial appearance



INVERBOOST Commercial Series: R410A, Full Inverter, Heating & Cooling with smart Defrosting, CE Standard, Vertical

Efficiency data		Unit	CB450	CB600	CB900	CB130	CB190
Advised pool volume (with pool cover)		m ³	110-160	150-260	180-360	220-520	360-650
* Performance at Air 28°C, Water 28°C, Humidity 80%							
Turbo Heating capacity		kW	45	60	90	130	185
Smart Heating capacity		kW	36	55	77	110	150
Power consumption		kW	8.03-1.63	10.71-2.62	15.52-2.85	22-5.24	33.1-6.27
C.O.P.			5.6	5.6	5.8	5.9	5.9
C.O.P. at 50% capacity			10.3	10.4	10.5	10.5	10.5
* Performance at Air 15°C, Water 26°C, Humidity 70%							
Turbo Heating capacity		kW	30	45	66	100	130
Smart Heating capacity		kW	24	36	52	75	104
Power consumption		kW	6.67-1.25	10.47-2.47	13.75-2.38	23.26-5.49	27.65-5.25
C.O.P.			4.5	4.5	4.8	4.8	4.7
C.O.P. at 50% capacity			7.4	7.5	7.9	7.9	7.8
* General data							
Compressor type			Inverter compressor				
Compressor quantity			2				
Voltage			380-415V/50Hz/3PH				
Rated current		A	14.5	16.5	28	34.5	53
Minimum fuse		A	22	25	42	52	80
Advised water flux		m ³ /h	22-30	26-35	37-45	55-65	80-95
Water pressure drop		Kpa	30	32	35	38	46
Heat exchanger			Titanium exchanger in PVC				
Water connection		mm	63		90		
Fan quantity			1		2		
Ventilation type			Vertical				
Fan speed		RPM	800-550	800-550	700-500	800-550	800-550
Sound pressure at 10m		dB(A)	≤42	≤42	≤43	≤44	≤48
Sound pressure at 1m		dB(A)	43-61	40-54	44-62	46-65	50-68
Refrigerant Type			R410A				
Refrigerant		g	5000	5600	11000	13000	19000
Net weight		kg	230	270	450	530	720
Gross weight		kg	258	310	500	600	800
Net dimension		mm	865×855×1495			1960×945×1565	
Packing dimension		mm	965×985×1665			2060×1045×1735	
						2080×1172×1830	
						2360×1200×1935	

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



INVERBOOST® Dehumidifier

Thanks to the precise INVERBOOST® full-inverter technology, the Inverter Dehumidifier is able to always run smartly according to the humidity of your indoor room and pool space. Superior energysaving, intelligent dehumidification capacity & quiet operations.

Saving 50% energy

High humidity sensing accuracy, fast response, and it can be efficiently and automatically defrosted to maintain the highest efficiency and keep the air dry.

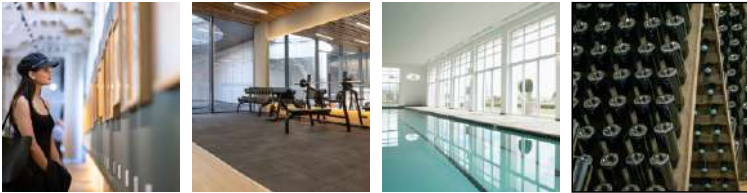
No more ugly rusting

Adopted anti-rusting casing and designed for aesthetics and practicality.

Ultra-thin

Small size, easy to carry and place in any space.

Applications



Suitable for all indoor hot tub rooms and most indoor swimming pool rooms. They can also be used to advantage in changing rooms, wellness centers, basements, and all other rooms.



Efficiency data

Unit

XDH40i

Dehumidifying Capacity at 30°C - 80% H.R

L/H

4

Dehumidifying Capacity at 30°C- 70% H.R

L/H

3.5

* General data

Power input

kW

1.2

Electric heating input

kW

0.7

Energy factor (EF)

L/KW.H

3.3

Rated power

kW

1.9

Rated current (with electric heating)

A

10

Fuse current (with electric heating)

A

12

Air flow

m³/h

800

Power supply

220-240V/50Hz/1PH

Compressor type

Rotary

Selection of cable

mm²

4

Noise level (5m)

dB(A)

46.5

Net weight

kg

73

Gross weight

kg

80

Net dimension

mm

1132x255x853

Packing dimension

mm

1170x290x920

*The data above is just for reference. For model specifications, please refer to the nameplate on the unit.



Zealux® Mini

ON-OFF Heat Pump Series



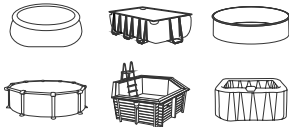
Small Size, Big Energy

The mini series runs at 120% compressor & fan speed for fast heating. A compact heater, low in cost, yet high in energy efficiency.



Portable and User-friendly




Easy plug & play, press & heat controller bring more comfortable and convenient experience to swimmers.



Suitable for Small Above-ground Pools

The mini pool heat pump is designed for above-ground inflatable pools and spas with a capacity of up to 15 m³, offering easy installation and versatility.

Zealux Mini Series: R32, ABS + Metal Cabinet / Plastic + Metal Cabinet

Efficiency data	Unit	 MINI Q 025	 MINI Q 045	 MINI Q 055
Advised pool volume (with pool cover)	m ³	0-10	5-16	10-20
* Performance at Air 28°C, Water 28°C, Humidity 80%				
Heat Output	kW	2.5	4.2	5.5
Power consumption	kW	0.59	1	1.31
C.O.P.		4.2	4.2	4.2
* Performance at Air 15°C, Water 26°C, Humidity 70%				
Heat Output	kW	1.9	3.2	4.2
Power consumption	kW	0.56	0.91	1.2
C.O.P.		3.4	3.5	3.5
* General data				
Voltage	V	220-240V/50Hz/1PH		
Rated current	A	2.6	4.4	5.8
Fuse Current	A	7.5	13	16
Advised water flux	m ³ /h	2	2	2.5-3.2
Water pressure drop	Kpa	4	2.5	8.5
Condenser		Titanium exchanger in PVC		
Water pipe in-out	mm	32 or 38		
Sound pressure at 10m	dB(A)	48	46	46
Sound pressure at 1m	dB(A)	57	55	55
Net weight	kg	22	33	33
Gross weight	kg	24	35	35
Net dimension	mm	328×346×420		437×437×521
Packing dimension	mm	385×480×480		495×570×585

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

03

Customer Care Experience

(i.e. pre-sale, post-sale and after-sale)

Zealux product is backed with a three-year after sales warranty, and can be extended to seven years if the following conditions are met:

- Register on the Zealux website and upload needed documents after installation
- Installed by authorized professional installers
- Annual heat pump servicing and maintenance by the authorized installer with ticket retention

« The promise is to give the great benefit to every user with 7 years of peace of mind »



The 7 years commitment

By Zealux



To provide the required technical documents and product info



To organize the trainings and webinars min one time a year



To give the best in class customer service



To select the right partners



To hold enough spares and repair kit for installers

By the person in charge of maintenance



To respect installation requirements of Zealux and technical supports



To monitor maintenance visit every year following the maintenance prog



To use only Zealux spares and tools



To be an authorized Zealux installer / dealer / service partner



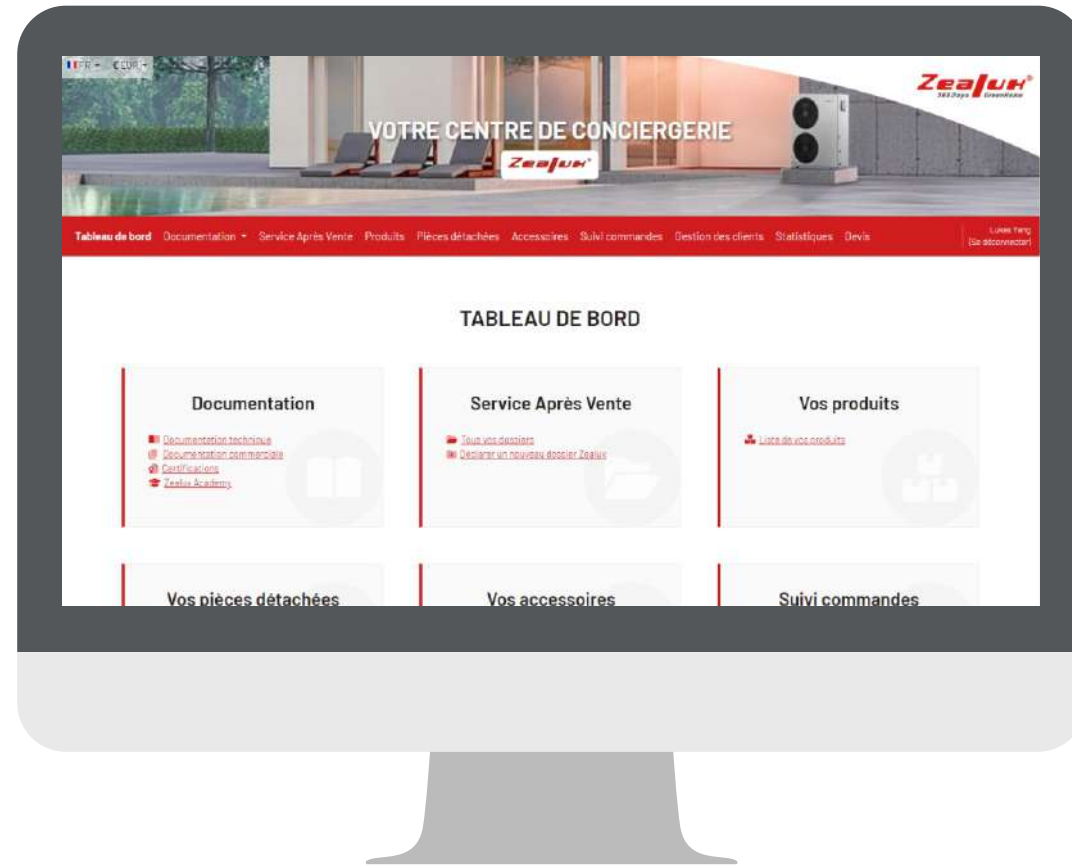
To participate at least min 1 time a year to our training course or webinars

For more details about maintenance, troubleshooting, training courses and technical guidance, please visit <https://zealux.com/contact-us/> or contact the Zealux dealer that installed your product.



04

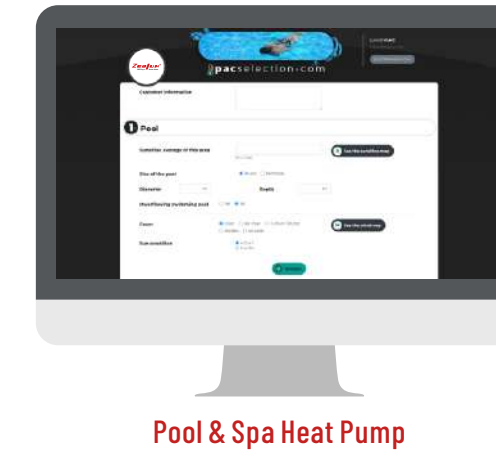
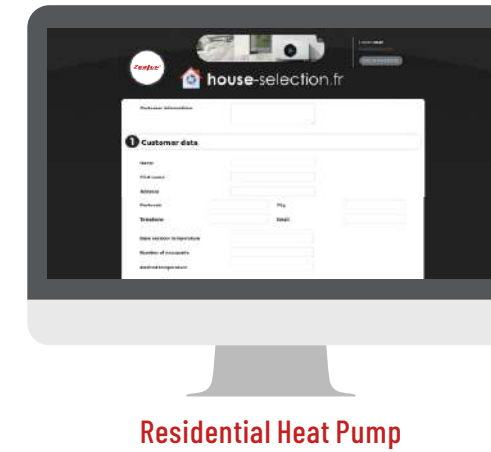
Unique Concierge Platform



A full set of options

- A 24/7 conciergerie service providing a unique customer experience.
- Technical and commercial documentation
- Tutorials : technical docs and videos
- Webinars with 6 courses
- Replacement parts
- Resale capabilities
- After sales management
- Repair assistance
- Ordering process
- Order tracking
- Stock management
- Available in over 10 languages

Our selection website for heating and pool heat pumps is specifically designed for distributors, making it easier to choose the most suitable heat pump models and generate standardized detailed reports.



How to use the selection website:

- 1 Distributors collect customer requirements for pool or heating needs.
- 2 Enter the information about these requirements on the website, such as house area or pool size.
- 3 The website generates a PDF report containing customer requirements, recommended heat pump models, and the procurement and operating costs of the heat pump.
- 4 Distributors can download the report for record-keeping and print it to provide to customers as a reference.



Fault diagnosis
by our experts



Spare parts



Repaired
equipment

05

Factory & Exhibitions

The ZEALUX factory spans over 30,000m² and is located in the Shunde region of Guangdong, China. This fully integrated manufacturing facility is equipped with production lines for heat pumps, titanium heat exchangers, copper pipes, ABS/ASA cabinets, and metal casings.

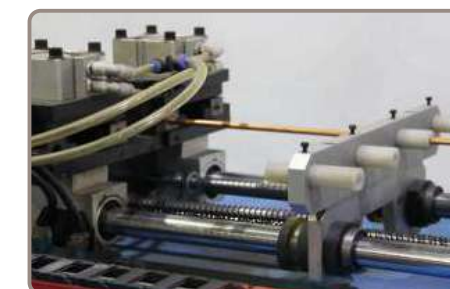


Zealux®
365Days GreenHome



METAL CABINET WORKSHOP ▶

Advanced laser cutters, punchers, bending machines well applied.



◀ABS/ASA CABINET WORKSHOP

Diverse cabinet design to meet different customer needs flexibly.

▲COPPER PIPE WORKSHOP

PROFESSIONAL LAB ▶

Multiple professional laboratories provide rigorous testing conditions to evaluate heat pump performance down to -25°C.



▲TITANIUM HEAT EXCHANGER WORKSHOP



◀PRODUCTION LINE

Multiple professional U-shape assembly lines dedicated to the production of R32 and R410A pool heat pumps.