

ZEALUX ELECTRIC LIMITED

FACTORY: SCIENCE AND TECHNOLOGY ZONE,
XINGTAN INDUSTRIAL PARK, XINGTAN, SHUNDE, FOSHAN, CHINA

Email: sales@zealux.com

Web: www.zealux.com

Tel: +86-20-86000676



POOL HEAT PUMP

2022-2024
ZEALUX CATALOGUE

Zealux[®]



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INVERBOOST® DEVELOPMENT



2013-2014

Focused on reliability issue, and took minimum two winters to prove.



2015-2016

Achieved the highest efficiency the industry.



2016-2017

Reduced cost to reach almost the same level as traditional ON/OFF system.



2017-2018

Upgraded solution of INVERBOOST technology with new gas R32 adopted.



2019-2020

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



2020-2021

Ultra silent INVERBOOST UX with cutting edge back-discharge design.



INVERBOOST pool heat pump adopts the reliable inverter technology to vary the working frequency dynamically to get the optimal performance.

INVERBOOST

TECHNOLOGY SINCE 2013



9 year's development & improvement



Excellent reliability proved by professional market



Best combination of performance and silence



Perfect customer experience for all seasons

SUPER EFFICIENCY



More energy saving



Maximise energy efficiency



Extend your all year round swimming season

FOUR SEASON OPERATION

To satisfy different climate condition



SMART MODE

Dynamically working to maintain your pool temperature according to different climate.

SILENT MODE

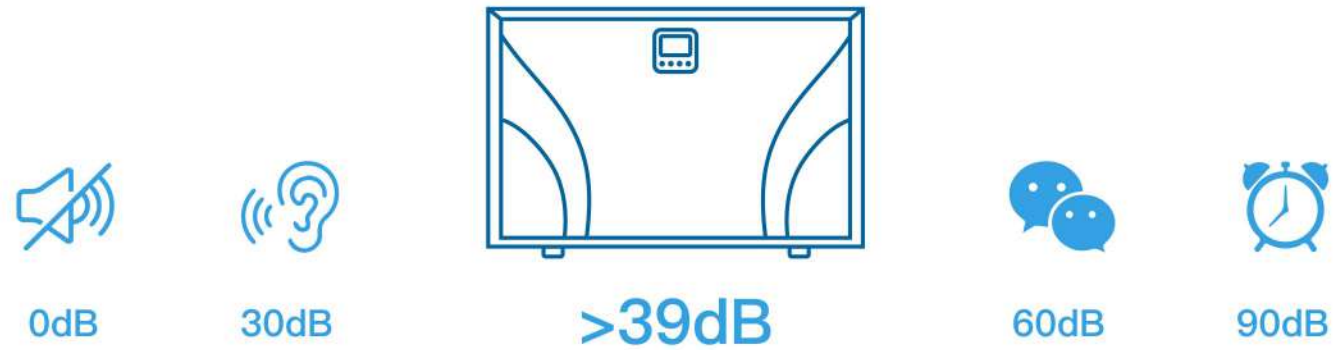
It achieves the highest energy efficiency and greatly improves customers' experience.

TURBO MODE

Intelligent operation to achieve extra 20% heating capacity, fast heating & excellent performance for all year round swimming.

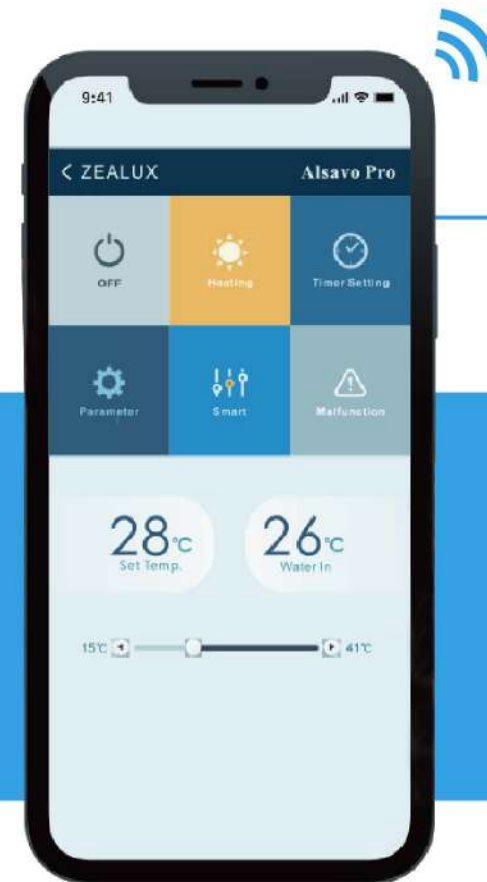
WHISPER SILENCE

Designed to be quiet, the low noise INVERBOOST pool heat pump perfectly fit in background noise and keep friendly neighborhood.



INTELLIGENT CONTROLLER

- Easy-to-use controller
- Water pump pilot function
- Heating, cooling and auto mode for option
- Timing priority logic for worry free filtration system



ALSAVO PRO APP

Supports you to control heat pump anywhere and anytime

ALSAVO PRO (Wifi)

- ✓ Start / stop your heat pump
- ✓ Check / set the pool temperature
- ✓ Check the heat pump data
- ✓ Safety lock for parameter setting
- ✓ Error code notifications



INVERBOOST UX

Ultra Silence



CHILL-WIND PROOF DESIGN

- Ultimate swimming experience without chill wind from fan grid



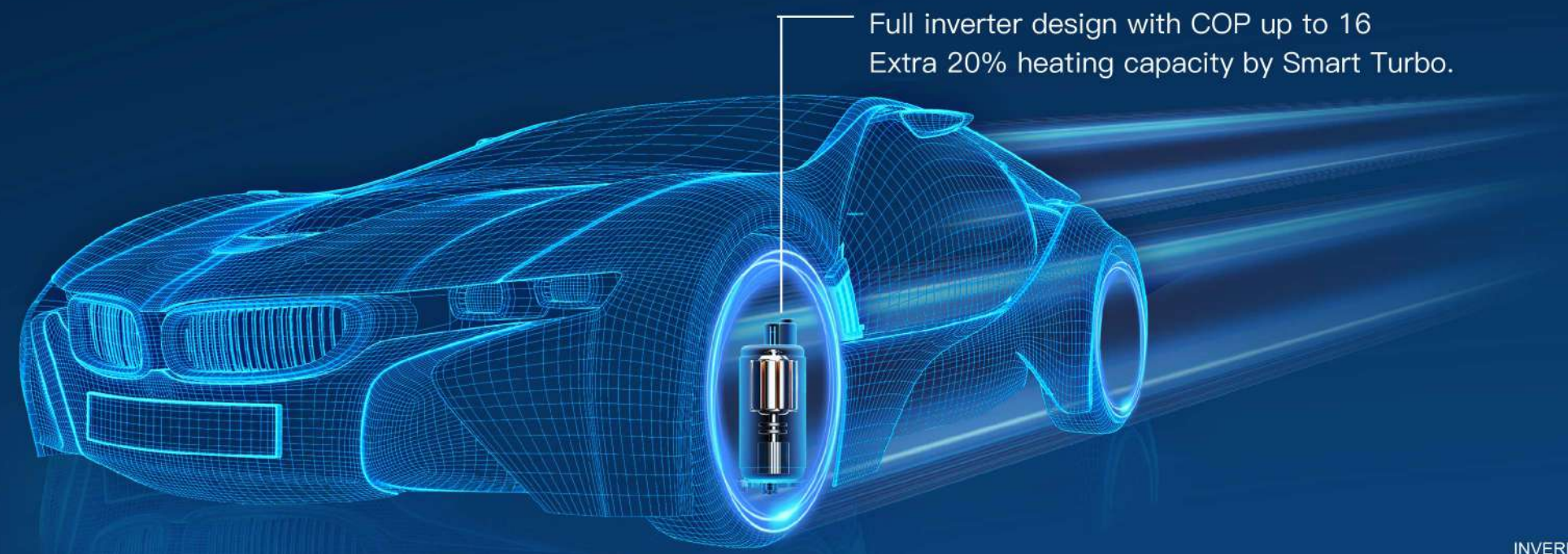
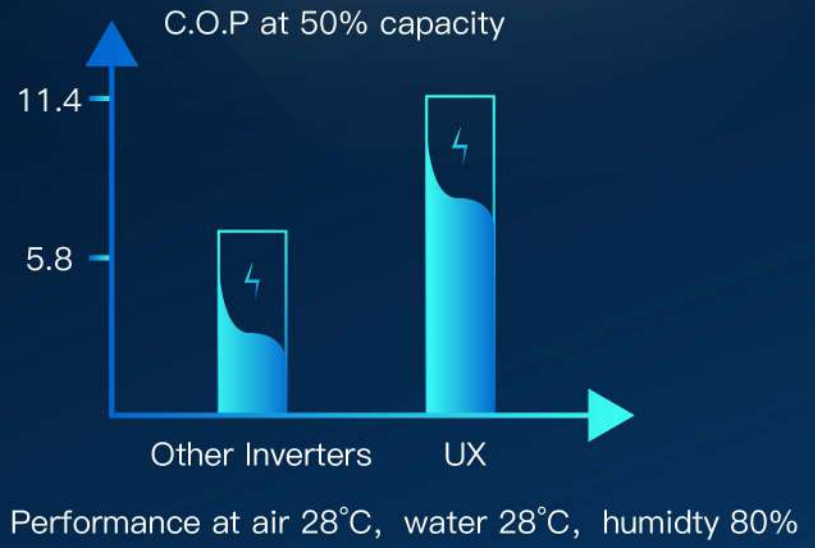
- Premium ASA + Aluminium casing

- Outstanding weather & UV resistance



**SUPER EFFICIENCY
BEYOND EXPECTATION**

**QUIET OPERATION BEYOND
YOUR EXPECTATION**



BUILT-IN WIFI FUNCTION

intelligent and user friendly

touch screen controller



timer setting

data checking

- Easy control
- 10 languages available



Zealux model		UX07Csi32	UX09Csi32	UX11Csi32	UX14Csi32	UX17Csi32	UX21Csi32	UX21Csi32T	
Advised pool volume (with pool cover)	m ³	10-26	12-35	16-60	18-66	25-85	58-120	58-120	
* Performance at Air 28°C, Water 28°C, Humidity 80%									
Turbo Heating capacity	kW	7.0	9.0	11.0	14.0	17.0	21.0	21.0	
Smart Heating capacity	kW	5.0	7.0	10.0	11.0	14.0	18.0	18.0	
Power consumption	kW	0.99-0.13	1.27-0.14	1.55-0.17	1.97-0.22	2.39-0.27	2.96-0.33	2.96-0.33	
C.O.P.		16-7.1	16-7.1	16-7.4	16-7.1	16-7.2	16-7.1	16-7.1	
C.O.P. in TURBO Mode		7.1	7.1	7.4	7.1	7.2	7.1	7.1	
C.O.P. at 50% capacity		11.1	11.2	11.4	11.0	11.4	11.2	11.2	
* Performance at Air 15°C, Water 26°C, Humidity 70%									
Turbo Heating capacity	kW	5.0	7.0	8.5	9.5	12.0	15.5	15.5	
Smart Heating capacity	kW	4.0	5.5	7.0	8.0	10.5	13.5	13.5	
Power consumption	kW	0.98-0.15	1.37-0.21	1.67-0.26	1.90-0.29	2.31-0.37	3.04-0.47	3.04-0.47	
C.O.P.		8.2-5.1	8.2-5.1	8.2-5.1	8.21-5	8.5-5.2	8.3-5.1	8.3-5.1	
C.O.P. in TURBO Mode		5.1	5.1	5.1	5.0	5.2	5.1	5.1	
C.O.P. at 50% capacity		7.1	7.1	7.1	7.0	7.4	7.4	7.4	
Compressor type		Inverter compressor							
Voltage	V	220-240V/50Hz or 60Hz/1PH							380V/50Hz/3PH
Rated current	A	4.4	5.6	6.9	8.7	10.6	13.1	5.3	
Minimum fuse	A	9.0	10.0	12	15	16	22	10.0	
Advised water flux	m ³ /h	2.5	3.0	3.7	4.0	5.0	6.0	6.0	
Heat exchanger		Twist Titanium exchanger							
Water connection	mm	50							
Sound pressure at 10m	dB(A)	16.8-24.1	17-25.6	17.8-26.2	21.7-26.7	22.6-28.1	22.9-30.6	22.9-30.6	
Sound pressure at 1m	dB(A)	35.2-44	35.7-45	36-46.2	38-47.6	39.5-49.8	40-51	40-51	
Net weight	kg	65	70	73	78	98	117	117	
Gross weight	kg	67	73	78	83	113	135	135	
Net dimension	mm	905*410*585		1025*415*685			1070*435*890		
Packing dimension	mm	960*490*730		1080*500*830			1125*520*1040		

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

INVERBOOST UX



Zealux model		UX26Csi32	UX26Csi32T	UX30Csi32	UX30Csi32T	UX35Csi32T	UX40Csi32T
Advised pool volume (with pool cover)	m ³	65-132	65-132	78-150	78-150	85-160	85-180
* Performance at Air 28°C, Water 28°C, Humidity 80%							
Turbo Heating capacity	kW	26.0	26.0	30.0	30.0	35.0	40.0
Smart Heating capacity	kW	21.0	21.0	25.0	25.0	30.0	35.0
Power consumption	kW	3.66-0.29	3.62-0.29	4.17-0.47	4.17-0.47	4.93-0.55	5.64-0.63
C.O.P.		16-7.1	16-7.1	16-7.1	16-7.1	16-7.1	16-7.1
C.O.P. in TURBO Mode		7.1	7.1	7.1	7.1	7.1	7.1
C.O.P. at 50% capacity		11.2	11.2	11.2	11.2	11.2	11.4
* Performance at Air 15°C, Water 26°C, Humidity 70%							
Turbo Heating capacity	kW	18.0	18.0	20.0	20.0	24.0	28.0
Smart Heating capacity	kW	16.0	16.0	18.0	18.0	22.0	24.0
Power consumption	kW	3.53-0.55	3.53-0.55	3.92-0.61	3.85-0.61	4.62-0.73	5.38-0.85
C.O.P.		8.2-5.1	8.2-5.1	8.2-5.1	8.2-5.2	8.2-5.2	8.3-5.2
C.O.P. in TURBO Mode		5.1	5.1	5.1	5.2	5.2	5.2
C.O.P. at 50% capacity		7.2	7.2	7.2	7.2	7.2	7.4
Compressor type	Inverter compressor						
Voltage	V	220-240V/50Hz or 60Hz/1PH				380V/50Hz/3PH	
Rated current	A	16.3	6.5	18.5	7.5	8.8	10.1
Minimum fuse	A	28	12	32	15	17	20
Advised water flux	m ³ /h	8.0	8.0	10.0	10.0	15.0	18.0
Heat exchanger	Twist Titanium exchanger						
Water connection	mm	50					
Sound pressure at 10m	dB(A)	23.1-31.8	23.1-31.8	23.2-32.4	23.2-32.4	23.4-32.8	23.4-33.4
Sound pressure at 1m	dB(A)	41-51.6	41-51.6	42-51.8	42-51.8	42.8-52	43.1-53.2
Net weight	kg	125	125	130	130	135	139
Gross weight	kg	145	145	148	148	150	154
Net dimension	mm	1035*435*1290	1035*435*1290	1110*450*1410	1110*450*1410		
Packing dimension	mm	1080*520*1440	1080*520*1440	1165*535*1560	1165*535*1560		

INVERBOOST VX



Vertical design allows flexible installation.



Intelligent operation to achieve the best performance and high efficiency.



High performance heating with INVERBOOST technology



The COP up to 16

Zealux model		XP14DCvxi32	XP16DCvxi32	XP20DCvxi32	XP26DCvxi32	XP26DCvxi32T	XP30DCvxi32	XP30DCvxi32T
Advised pool volume (with pool cover)	m ³	16-65	24-86	54-118	63-132	63-132	70-182	70-182
* Performance at Air 28°C, Water 28°C, Humidity 80%								
Turbo heating capacity	kW	14	16	20	26	26	30	30
Smart heating capacity	kW	11	14	16	20	20	26	26
Power consumption	kW	2.01-0.2	2.55-0.23	2.99-0.29	3.81-0.37	3.81-0.37	4.48-0.42	4.48-0.42
C.O.P.		16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7
C.O.P. in Turbo Mode		6.4	6.4	6.3	6.3	6.3	6.2	6.2
C.O.P.at 50% capacity		10.4	10.4	10.3	10.3	10.3	10.3	10.3
* Performance at Air 15°C, Water 26°C, Humidity 70%								
Turbo heating capacity	kW	9.5	11.2	15	18	18	22	22
Smart heating capacity	kW	7.9	9.5	11.2	15	15	18	18
Power consumption	kW	2.02-0.3	2.4-0.4	3.0-0.48	3.8-0.59	3.8-0.59	4.7-0.67	4.7-0.67
C.O.P.		8.2-5	8.2-5	8.2-5	8.2-5	8.2-5	8.2-5	8.2-5
C.O.P. in Turbo Mode		4.6	4.6	4.5	4.5	4.6	4.5	4.5
C.O.P.at 50% capacity		6.8	6.8	6.7	6.7	6.8	6.7	6.7
Compressor type		Inverter compressor						
Voltage	V	220-240V/50Hz OR 60Hz /1PH				380-415V/50Hz/3PH	220-240V/50Hz OR 60Hz /1PH	380-415V/50Hz/3PH
Rated current	A	8.9	11.3	13.3	16.9		19.9	
Minimum fuse	A	17	20	25	30	28	36	34
Advised water flux	m ³ /h	4.2	4.7	5.2	8.2	8.2	10.3	10.3
Heat exchanger		Twist Titanium exchanger in PVC						
Water connection	mm	50						
Noise level(10m)	dB(A)	≤ 28	≤ 30	≤ 32	≤ 32	≤ 32	≤ 33	≤ 33
Noise level(1m)	dB(A)	34-48	34-48	35-50	36-50	36-50	36-52	36-52
Net weight	kg	78	98	117	128	128	130	130
Gross weight	kg	83	113	135	146	146	148	148
Net dimension	mm	620*600*917			700*710*1320			
Packing dimension	mm	707*650*1047			787*760*1450			

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



Durable ABS Cabinet With Graceful Curves



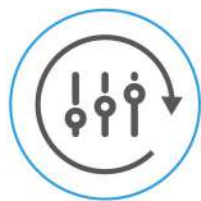
Zealux model		XP075DCsiPBS32	XP095DCsiPBS32	XP125DCsiPBS32	XP165DCsiPBS32	XP215DCsiPBS32	XP255DCsiPBS32
Advised pool volume (with pool cover)	m ³	10-25	12-33	15-60	25-85	55-120	65-130
* Performance at Air 28°C, Water 28°C, Humidity 80%							
Heating capacity	kW	7.5-2.2	9.5-2.3	12.5-2.9	16.5-3.8	19.5-4.7	24.5-5.9
Power consumption	kW	1.3-0.14	1.55-0.14	2-0.18	2.75-0.24	3.25-0.29	4.08-0.37
C.O.P.		16-5.6	16-5.8	16-6.2	16-6	16-6	16-6
* Performance at Air 15°C, Water 26°C, Humidity 70%							
Heating capacity	kW	4.7-2.5	6.6-1.9	8.5-2	11.2-3	14-3.9	17.2-4.5
Power consumption	kW	1.02-0.35	1.43-0.27	1.89-0.28	2.43-0.42	2.78-0.54	3.74-0.63
C.O.P.		7.1-4.5	7.1-4.5	7.2-4.5	7.2-4.5	7.2-4.5	7.2-4.5
* General dat							
Compressor type		Inverter compressor					
Voltage	V	220-240V/50Hz or 60Hz/1PH					
Rated current	A	5.8	6.9	8.9	12.2	14.4	18.1
Minimum fuse	A	9	10	14	18	22	27
Advised water flux	m ³ /h	2.5	2.8	3.7	4.6	5.0	8.0
Water pressure drop	Kpa	12	12	14	15	18	20
Heat exchanger		Twist-titanium tube in PVC					
Water connection	mm	50					
Fan quantity		1					
Ventilation type		Horizontal					
Fan speed	RPM	500-850					
Noise level(10m)	dB(A)	≤41	≤42	≤42	≤43	≤45	≤46
Noise level(1m)	dB(A)	40-50	40-52	40-52	41-54	41-54	42-60
* Dimension/ Weight							
Net weight	kg	56	68	68	98	117	128
Gross weight	kg	68	73	73	113	135	146
Net dimension	mm	855*325*565		986*352*672		1040*355*895	
Packing dimension	mm	942*375*695		1066*426*835		1095*405*1025	

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



Full Inverter Technology

High energy efficiency with COP up to 16



Heating and Cooling

Operation down to -12°C , extended swimming season



R32 Refrigerant

Eco-friendly



Zealux model		XP305DCsiPBS32	XP305DCsiPBS32T
Advised pool volume (with pool cover)	m ³	75-180	75-180
* Performance at Air 28°C, Water 28°C, Humidity 80%			
Heating capacity	kW	28.5-6.8	28.5-6.8
Power consumption	kW	4.75-0.43	4.75-0.43
C.O.P.		16-6	16-6
* Performance at Air 15°C, Water 26°C, Humidity 70%			
Heating capacity	kW	22.8-5.6	22.8-5.6
Power consumption	kW	4.26-0.78	4.26-0.78
C.O.P.		7.2-4.5	7.2-4.5
* General dat			
Compressor type		Inverter compressor	
Voltage	V	220-240V/50Hz or 60Hz/1PH	380V/50Hz/3PH
Rated current	A	21.0	8.5
Minimum fuse	A	34	13
Advised water flux	m ³ /h	10.0	10.0
Water pressure drop	Kpa	25	25
Heat exchanger		Twist-titanium tube in PVC	
Water connection	mm	50	
Fan quantity		2	
Ventilation type		Horizontal	
Fan speed	RPM	(550-850)*2	
Noise level(10m)	dB(A)	≤49	≤49
Noise level(1m)	dB(A)	42-60	42-60
* Dimension/ Weight			
Net weight	kg	130	130
Gross weight	kg	148	148
Net dimension	mm	1040*355*1295	
Packing dimension	mm	1120*405*1430	

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

INVERBOOST COMMERCIAL

INVERBOOST commercial pool heat pump could ensure all year round comfortable pool water temperature for commercial use.



Well applied to public pools, hotel pools, school pools, and aqua parks, etc.



CENTRALIZED CONTROL

Modular design, 4 units can be set as one module and controlled flexibly, reaching max. 480kW heating capacity.



INVERBOOST
Reliable full inverter technology



CLIMATE ADAPTIVE
Effective in low temperatures



ULTRA QUIET
Low noise running



SUPERIOR EFFICIENCY
Reducing energy bills significantly

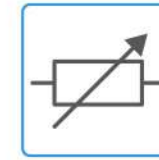


INTELLIGENT CONTROL
Touchscreen and intuitive display

Zealux model		XP520Cvi-400	XP660Cvi-400	XP1050Cvi-400	XP1350Cvi-400
Advised pool volume	m ³	110-160	150-260	180-400	220-520
* Performance at Air 28°C, Water 28°C, Humidity 80%					
Turbo Heating capacity	kW	52	60	105	130
Smart Heating capacity	kW	45	55	90	110
Power consumption	kW	9.29-2.27	10.71-2.62	18.1-4.59	22-5.24
C.O.P. in Turbo Mode		5.6	5.6	5.8	5.9
C.O.P. at 50% capacity		10.3	10.4	10.5	10.5
* Performance at Air 15°C, Water 26°C, Humidity 70%					
Turbo Heating capacity	kW	40	45	80	100
Smart Heating capacity	kW	32	36	65	75
Power consumption	kW	8.9-2.17	10.47-2.47	18.6-4.39	23.26-5.49
C.O.P. in TURBO Mode		4.5	4.5	4.8	4.8
C.O.P. at 50% capacity		7.4	7.5	7.9	7.9
Compressor type		Inverter compressor			
Compressor QTY		2		4	
Voltage		380-415V / 50Hz / 3PH			
Rated current	A	14.50	16.50	28.00	34.5
Minimum fuse	A	22	25	42	52
Advised water flux	m ³ /h	22-30	26-35	45-55	55-65
Heat exchanger		Titanium exchanger in PVC			
Water connection	mm	63		75	90
Noise level(10m)	dB(A)	≤42	≤42	≤44	≤44
Noise level(1m)	dB(A)	43-61	44-62	45-64	46-65
Refrigerant (R410a)	g	4600	5600	10000	11600
CO2 equivalent	Tonne	9.6	11.69	20.88	24.22
Net weight	kg	230	270	460	530
Gross weight	kg	258	310	510	600
Net dimension	mm	865*855*1495		1960*945*1565	
Packing dimension	mm	965*985*1665		2060*1045*1735	

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

ALSAVO ON/OFF



High/Low Pressure Protection



Low Noise Fan Motor



Hot Gas Defrost Function

Zealux model		XP05Cs32	XP07Cs32	XP09Cs32	XP11Cs32	XP14Cs32	XP16Cs32
Advised pool volume	m ³	10-16	15-26	25-32	30-60	40-68	55-80
* Performance at Air 28°C, Water 28°C, Humidity 80%							
Heating capacity	kW	5.5	7.5	9.5	11.5	13.5	15.5
Power consumption	kW	1.00	1.34	1.7	1.95	2.33	2.67
C.O.P		5.5	5.6	5.6	5.9	5.8	5.8
* Performance at Air 15°C, Water 26°C, Humidity 70%							
Heating capacity	kW	3.7	4.9	6.7	7.9	9.2	10.8
Power consumption	kW	0.88	1.14	1.56	1.84	2.14	2.51
C.O.P		4.2	4.3	4.3	4.3	4.3	4.3
Compressor type		Rotary/R32					
Voltage		220-240V/50Hz/1PH					
Heat exchanger		Twist Titanium exchanger in PVC					
Rated current	A	4.4	5.9	7.5	8.6	10.3	11.9
Minimum fuse	A	13	18	21	23	30	35
Advised water flux	m ³ /h	2.5-3.2	2.5-3.7	2.6-5.1	3.5-7.1	4-7.9	4.6-9.3
Noise level(10m)	dB(A)	40	41	42	43	44	44
Noise level(1m)	dB(A)	49	50	51	52	54	54
Net Weight	kg	36	46	51	61	72	76
Gross Weight	kg	38	49	55	65	76	84
Net dimension	mm	751*300*502	935*360*545		1045*410*695		
Packing dimension	mm	855*325*515	1045*365*555		1140*430*835		

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

IDEAL HEATING SOLUTION for above ground pools or spas



Plug & Play,
quick installation.



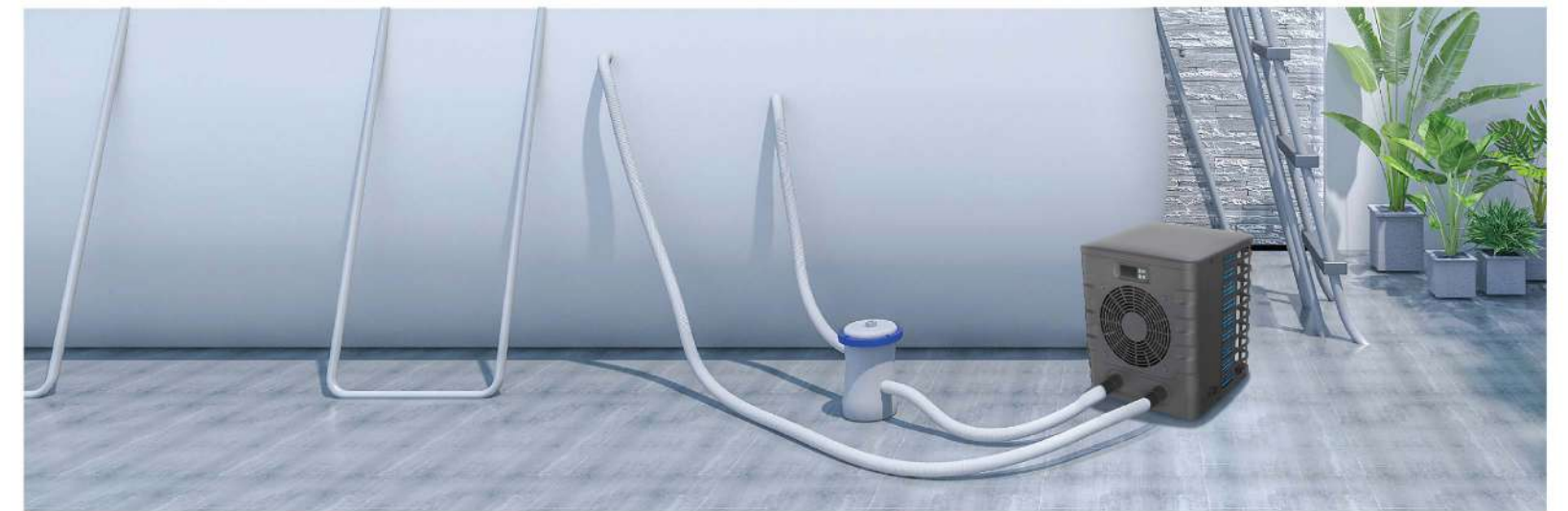
Easy to use
Multi-protection



Safe operation,
hydropower
separation.



mini
Heater



Zealux model		XP025miniP3	XP045miniP3	XP060miniP3
Advised pool volume	m ³	0-10	5-16	10-20
* Air 28°C, Water 28°C, Humidity 80%				
Heat Output (kW)	kW	2.5	4.2	5.5
Power Consumption (kW)	kW	0.59	1.00	1.31
COP		4.2	4.2	4.2
* Air 15°C, Water 26°C, Humidity 70%				
Heat Output (kW)	kW	1.9	3.2	4.2
Power Consumption (kW)	kW	0.56	0.91	1.2
COP		3.4	3.5	3.5
Voltage		220-240V/50Hz		
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	15	15	15
Condenser		Titanium exchanger in PVC		
Water pipe in-out	mm	32 or 38mm		
Noise level(10m)	dB(A)	48	46	46
Noise level(1m)	dB(A)	57	55	55
Net Weight	kg	18	26	26
Gross Weight	kg	19	28.5	28.5
Net Dimension	mm	328*374*420	437*462*521	
Packing Dimension	mm	450*375*470	520*495*550	

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

ZEALUX® HISTORY

ZEALUX Electric Limited has been in the pool heating industry for more than 20 year's experience. As one of the biggest pool heat pump manufacturer in China, Zealux is the only factory with almost the whole industrial chain for pool heat pump products now.

Committing to upgrade user experience, Zealux never stops innovation. Zealux INVER-BOOST technology is in the leading position in professional market with good reputation for the excellent performance and reliability.

1999

Set up ZEALUX® HK focusing on E-commerce.

2008

Set up Shunde ZEALUX® manufacturing center by merger and acquisition.

2013

Launched DC inverter air-to-water heat pump and became one of the top 3 manufacturers in China.

2015

Top 1 PHP exporter, set up titanium exchanger workshop, expanded 3000sqm factory area.

2020

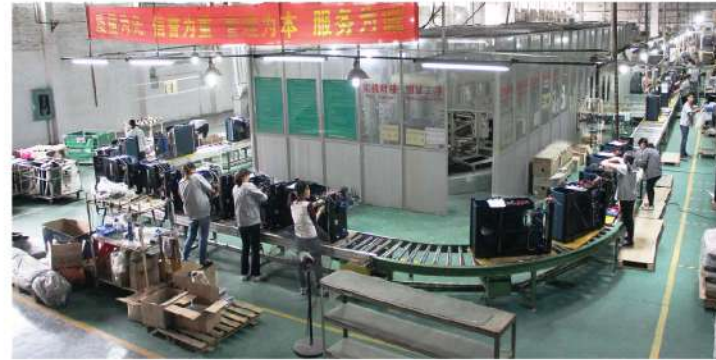
Moved to new plant (25000m²) with advanced facilities and centralized management of parts production.

Zealux is aiming to provide high quality products to our global partners with customized solution for long term cooperation.

Zealux hopes to be your close partner of pool heat pump business!

GLANCE OF ZEALUX FACTORY

More than 30,000m² area, 3 assembly lines for both R32&R410a air source heat pump production.



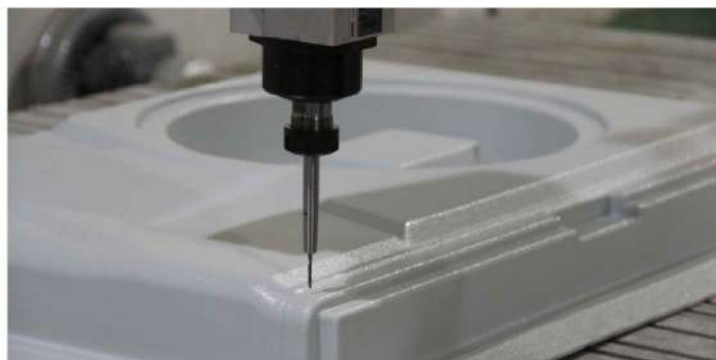
PROFESSIONAL LAB

3 professional laboratories provide severe testing condition to test heat pump down to -25°C.



ABS/ASA CABINET WORKSHOP

Diverse cabinet design to meet different customer needs flexibly.

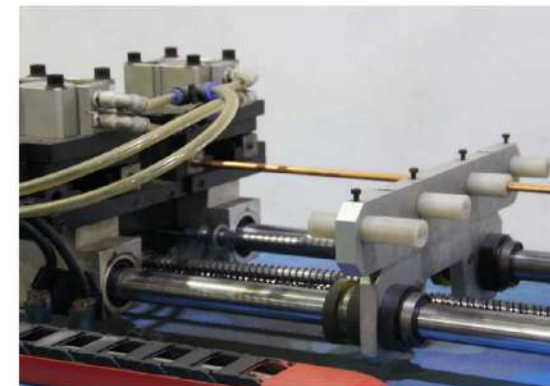


METAL CABINET WORKSHOP

Advanced laser cutters, punchers, bending machines well applied.

TITANIUM HEAT EXCHANGER WORKSHOP

Reliable design and strict quality control to ensure the component durability and delivery time.



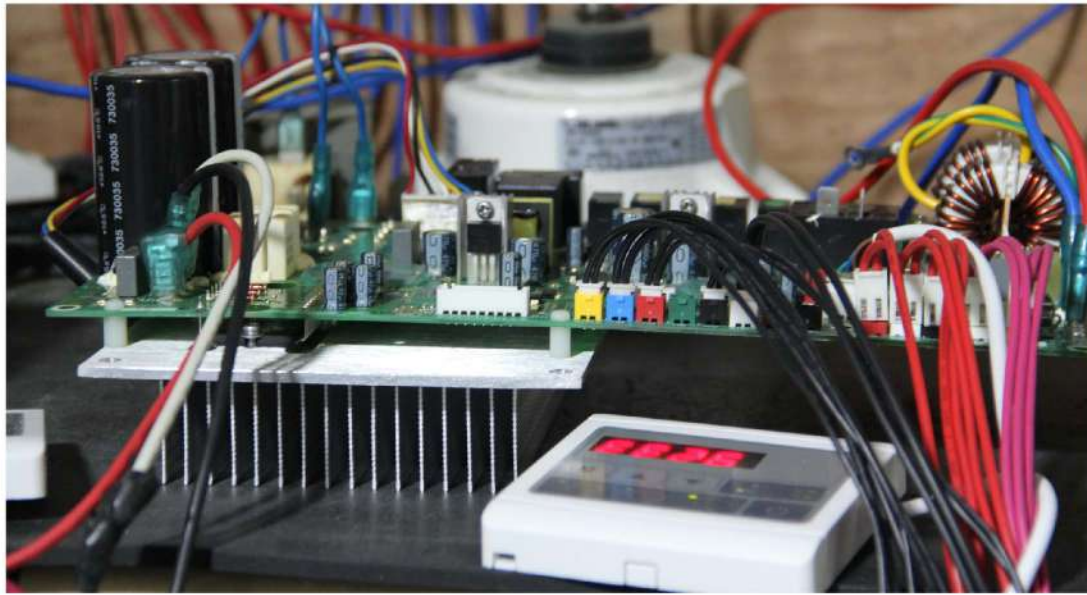
COPPER PIPE WORKSHOP

Copper pipe processing and pre-assembly.

QUALITY CONTROL

We insist in strict quality control and commit to improve QC system continuously to bring the most stable products to customers

Strict raw material inspection before production
8 hours' aging test and 100% inspection of control system



40 minutes' running test for every unit after assembly
1% random laboratory test after mass production



2 times leakage test of Titanium heat exchanger
3 times gas leakage test of the whole system



ZEALUX FRANCE

Zealux service center and warehouse in Europe, our strong back-up in local market with a professional well-experienced team. Always caring about customer satisfaction, Zealux commits to provide the best service to our global partners.

- NEW PRODUCT SHOW ROOM
- TECHNICAL SUPPORT
- PRODUCT TRAINING
- SPARE PARTS STOCK SYSTEM
- EUROPEAN SERVICE CENTRE AND INSTANTE AFTER-SALE SUPPORT

