

20x Saving iGarden

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20x Saving iGarden



FAIRLAND® 20x Saving iGarden

Fairland has been dedicated to innovating technologies, products, and solutions to create an ideal life of iGarden. Fairland's revolutionary technology becomes the pioneer in various fields, covering solutions from inverter swimming pools to intelligent gardens. As the creator of smart iGarden, Fairland aims to bring geek experience to users in 120+ countries and the future of ultimately unique 4-season iGarden life.

20+ Years



1999

Heat pump production base was established.

2001

Fairland brand was registered.

2005

Fairland launched the pool heat pump in Europe & South Africa and had been welcomed by end-users.

2007

Brand agents authorized in Europe, South Africa, and Australia.

2010

The Full-inverter development project was established.

2011

As the 1st company to develop Full-inverter technology, Fairland led the inverter pool heat pump market trend.

2012

Booster technology was launched.

2014

The Full-inverter trial started in the market.

2016

Full-inverter pool heat pump was certified by TÜV Rheinland and launched in the European and Australian markets.

2018

Full-inverter heat pump became the mainstream in the market.

2019

Fairland launched the revolutionary TurboSilence Full-inverter Technology after 5-year experiments.

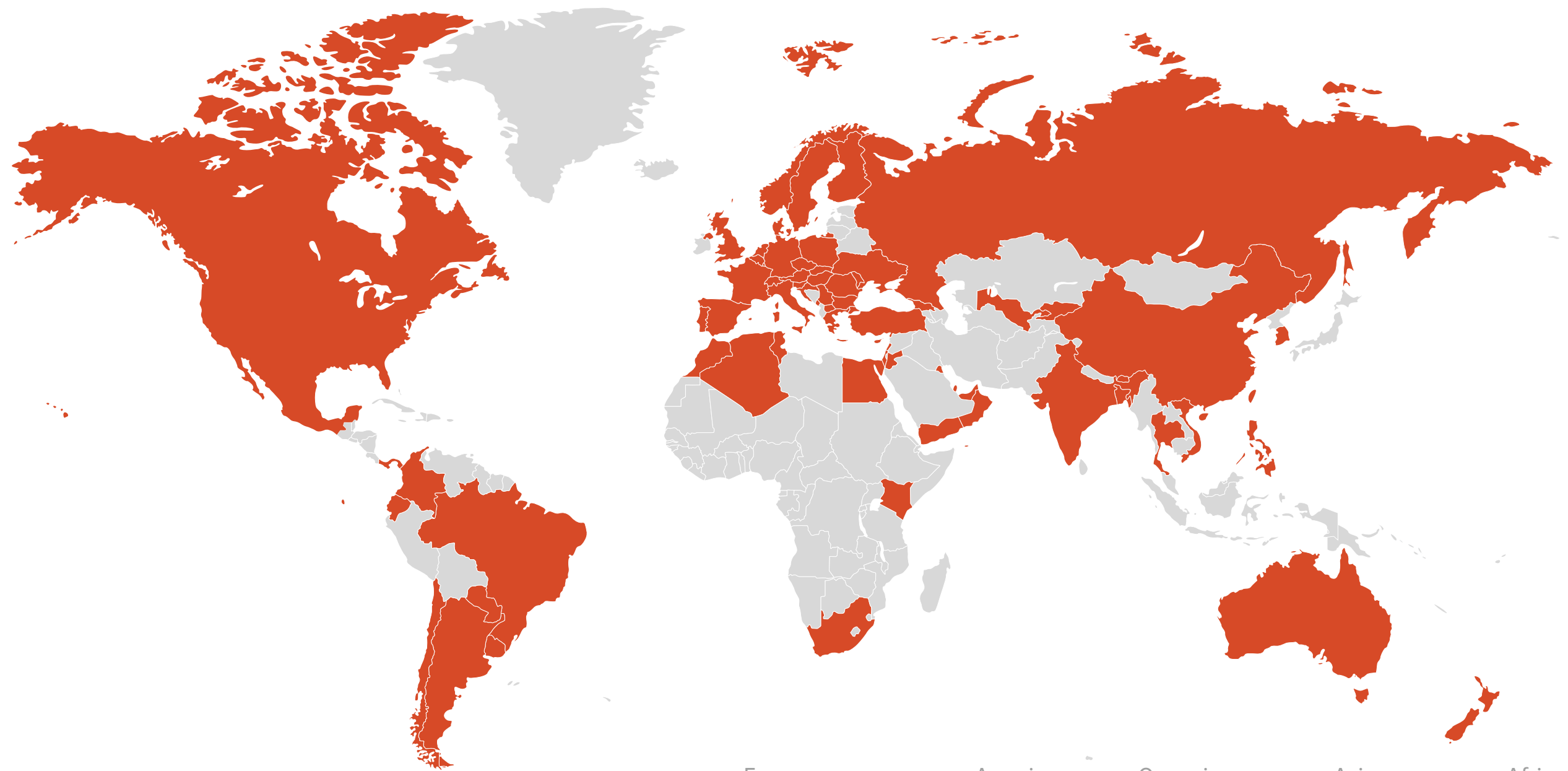
2020

TurboSilence Full-inverter led the market trend.

2022

COP 20+ leads new industry standard again.

120+
Countries



Europe



America



Oceania

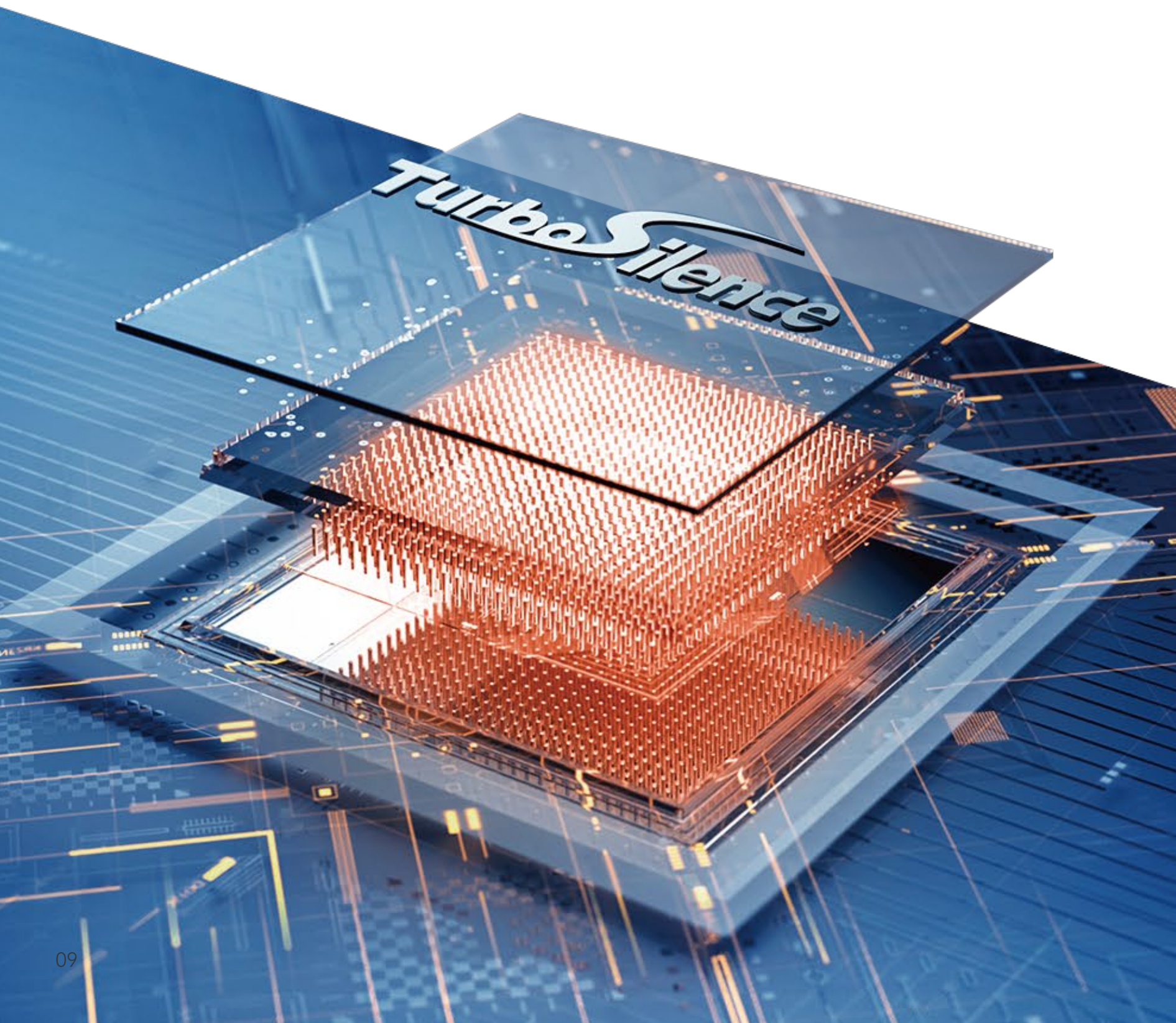


Asia



Africa





COP20+

Redefines New Standard

With swimming pools and gardens as the core, Fairland is committed to providing worldwide users with smart products that are environment-friendly and energy-saving, conveying a pleasant 4-season outdoor life. Fairland's pool heat pumps redefine a new standard in the global pool industry – COP20+ and up to 20 times quieter, driving the industry to move forward.

20 Billion kWh

Energy-Saving Per Year

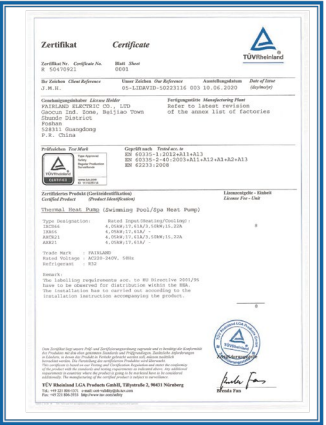
Fairland owns 4 cutting-edge labs with 60+ senior R&D technicians and 100+ internationally authorized patents for products and technologies. Fairland aims at sharing a sustainable intelligent iGarden life with global users through continuous innovative energy-saving performance.



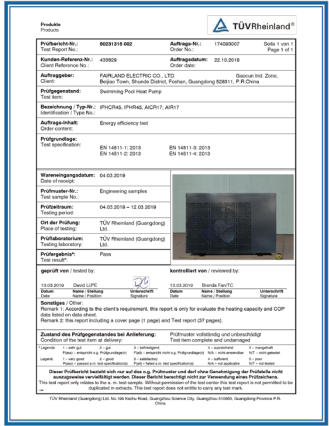
Gold Winner of Sustainable Product Award & Awards of Excellence 2020 National from SPASA Australia



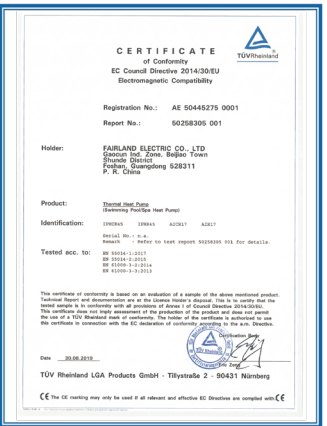
AHRI Certificate from North America



TÜV-mark Certificate



TÜV Energy Efficiency Certificate



CE EMC Certificate



CE LVD Certificate



Live a Smart iGarden Life

Fairland is always striving to provide the best solutions for families who desire to enjoy smart iGarden life at any moment. The milestone of Fairland's growing history has always come with tech breakthroughs. Fairland transformed the pool garden from just summer relaxation to a 4-season paradise by applying an inverter to the pool heat pump. Fairland will ultimately lead the way in the advent of iGarden products and solutions, such a combination will play an essential part in the future of iGarden living.



Fairland Technological
Innovations



What is SCOP?

The development of inverter pool heat pumps and the evolution of technology push the calculation criteria for power efficiency performance up. The seasonal coefficient of performance (SCOP) has been the new industry standard from 2022.

SCOP is a higher calculation methodology than COP, which estimates the overall energy efficiency of a pool heat pump more precisely and comprehensively. SCOP is formulated by the Association Francaise de Normalization and European Committee for Standardization whose value is to predict the whole seasonal energy utilization based on inspecting variant operating frequencies and temperature.

Customers could use the SCOP ranking system (Ratifying pool heat pumps from A to F) to understand a product's efficiency and then easily and accurately select the most efficient products.

The Ranking System of SCOP Energy Efficiency:

SCOP	Rank
SCOP ≥ 7	A
7 > SCOP ≥ 6	B
6 > SCOP ≥ 4	C
4 > SCOP ≥ 3	D
3 > SCOP ≥ 1	E
SCOP < 1	F

Fairland TurboSilence
Inverter Pool Heat Pump

The entire range of Fairland **TurboSilence** inverter pool heat pumps has achieved the **A-rank** SCOP standard (Seasonal COP >7) and COP (highest 16.5, TÜV Rheinland certified).





The TurboSilence Full-inverter is optimized based on Fairland's original Full-inverter technology. It perfectly balances inverter-compressor control and heat exchanging technology, bringing Turbo performance and Silence operation.

Turbo: 120% Heating Capacity
Quickly heating to reach the desired pool temperature.

Silence: Intelligent adjustment when maintaining temperature
30% heating capacity on average to maintain the desired temperature with less noise and 20 times energy saving.

Full-inverter technology drives the DC-inverter twin-rotary compressor hertz-by-hertz and runs the DC-inverter brushless fan motor round-by-round to achieve the optimum performance. At the beginning of the swimming season, Full-inverter pool heat pumps will heat the pool water to the set temperature at 100% heating capacity and then maintain the required temperature at an averagely of 30% of power consumption, which brings up to 15.8 times energy saving.





TurboSilence® INVERX20

Up to **20**x Energy Saving
(1kW Input, 20kW Heat in Return)

Up to **20** Times Quieter

20x Saving iGarden

20x Energy Saving

COP 20: 1kW Input = 20kW Heat in Return

TurboSilence Full-inverter control system adapts with precise energy consumption solutions, COP up to 20, average COP>15. Even at low temperature, it can automatically and intelligently control the heat pump to produce free heat output according to pool need.

20 Times Quieter

Sound Pressure 20 Times Lower than On/Off Heat Pump

Mitsubishi twin-rotatory compressor minimizes vibration and achieves low noise operation.

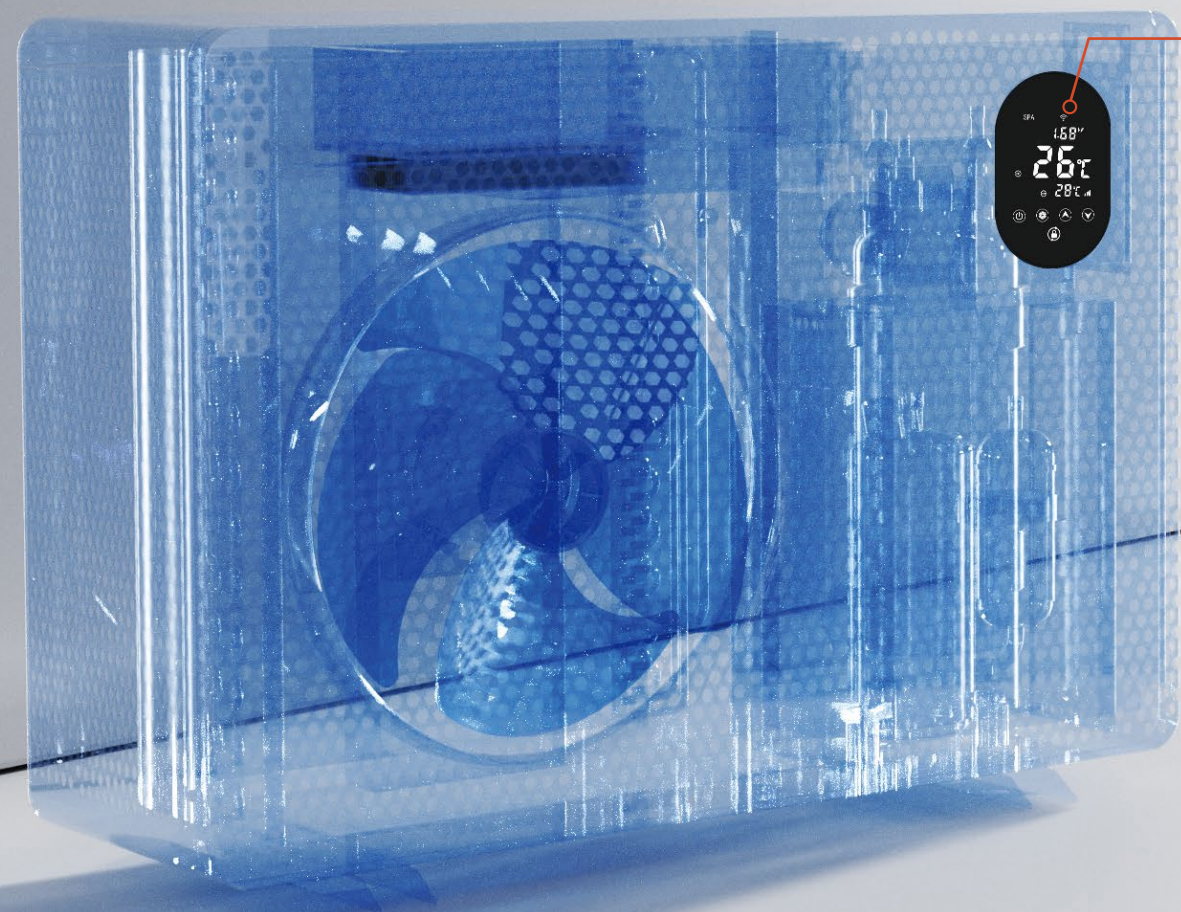


4 Season Running

Operation Temperature down to -15°C

Extend swimming seasons to all year round.





Real-time Power
Consumption Display

Holographic Display
Touch Controller

INVERX20 SPECS R32

Model	IXP26	IXP36	IXP46	IXP56	IXP66	IXP80	IXP80T	IXP110T
Advised pool volume (m3)	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
COP	18.8~7.6	20.0~7.8	20.0~7.0	20.7~7.4	20.3~7.3	20.0~7.5	20.0~7.5	20.2~7.3
COP at 50% capacity	15	15.2	15.1	15.3	15.2	15.1	15.1	15
COP at 20% capacity	18.8	20	20	20.7	20.3	20	20	20.2
Heating capacity (kW) in Smart mode	8.8	11.3	14	18	22	27.5	27.5	35
Heating capacity (kW) in Turbo mode	11	13.5	17	21	26	32	32	40
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
COP	8.0~5.0	8.1~5.2	8.0~4.7	8.0~4.9	8.3~5.1	8.3~5.4	8.3~5.4	8.2~5.0
COP at 50% capacity	7.2	7.3	7.4	7.5	7.7	7.6	7.6	7.5
COP at 20% capacity	8	8.1	8	8	8.3	8.3	8.3	8.2
Heating capacity (kW) in Smart mode	6.3	7.5	9.5	12	15	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.2	11.5	14.8	18.2	22.3	22.3	28.5
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Heat exchanger	"3D Spiral" titanium heat exchanger							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.19~1.53	0.23~1.8	0.29~2.45	0.31~3.02	0.38~3.57	0.46~4.1	0.46~4.1	0.60~5.7
Rated input current at air 15°C (A)	0.83~6.65	0.91~7.82	1.26~10.6	1.35~13.1	1.65~15.5	2.01~17.8	0.66~5.91	0.87~8.22
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	799×432×650	893×432×650	939×432×650	995×432×750	1125×429×952	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	/	/	/	/	/	/	/	/
Qty per 20'FT / 40'HQ (sets)	/	/	/	/	/	/	/	/

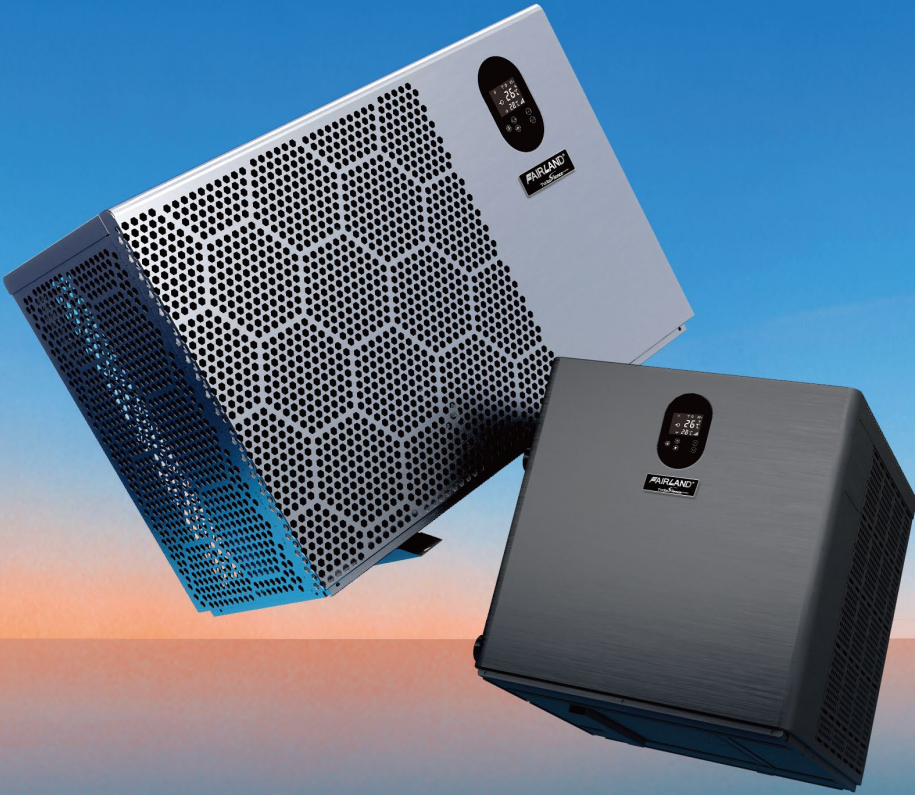
* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* The final specs will be in accordance with the specs on the product .



TurboSilence®

INVERX

Up to 16 x Energy Saving Up to 15 Times Quieter



16 TurboSilence
x Saving

16x Energy Saving

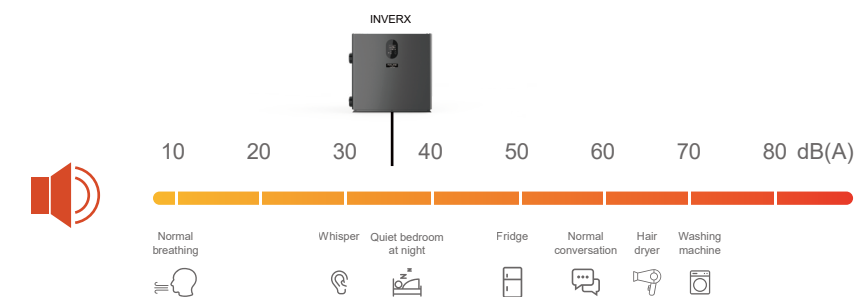
COP 16: 1kW Input = 16kW Heat in Return

Intelligent adjustment of heating capacity, average COP 11.6 at 50% capacity, COP up to 16.5 (Air 26°C/Water 26°C/Humidity 80%).

15 Times Quieter

Sound Pressure Lower to 38 dB(A)

The compressor and the fan work at very low speed when maintaining the temperature, reducing the noise level around 38 dB(A) at 1m.



Patented Design

Biomimetic Hexagon Design
Maximum Heat Exchange Space
Higher Heat Exchange Efficiency



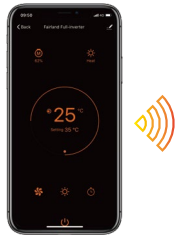
Real-time Power Consumption Display

Home Spa Experience

Water outlet up to 40°C, enjoy spa experience at home.

Fairland Smart Pool APP

Built-in Wi-Fi module, manage heating schedule or monitor power consumption anytime and anywhere.



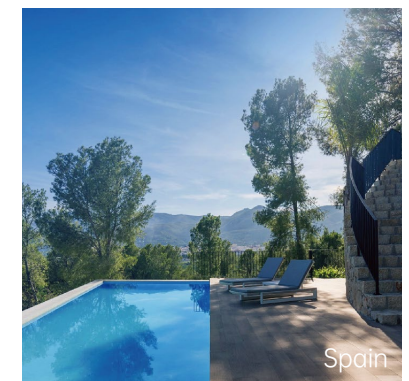
Applications



Hungary



Egypt



Spain

INVERX Vertical SPECS



Model	IXR26V	IXR36V	IXR46V	IXR56V	IXR66V	IXR80V	IXR80VT	IXR110VT
Advised pool volume (m3)	20~40	25~50	30~60	40~75	50~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
Heating capacity (kW) in Smart mode	8.8	11.3	14.5	18.0	23.0	27.5	27.5	35.0
Heating capacity (kW) in Turbo mode	10.5	13.5	17.5	21.5	27.0	32.0	32.0	40.0
COP in Smart mode	7.8	7.9	8.0	7.5	8.0	7.6	7.6	7.5
COP	15.4~7.1	15.6~7.0	16.1~6.7	16.0~6.5	15.3~7.1	16.3~6.5	16.3~6.5	16.0~6.6
COP at 50% capacity	11.5	11.8	12.1	12.0	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
Heating capacity (kW) in Smart mode	6.3	7.5	10.0	12.0	15.0	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.0	12.0	14.5	18.0	22.0	22.0	28.5
COP in Smart mode	5.1	5.1	5.0	5.0	5.1	5.5	5.5	5.3
COP	7.2~4.5	7.5~4.6	8.0~4.6	7.6~4.5	7.5~4.9	8.0~5.0	8.0~5.0	7.9~4.8
COP at 50% capacity	6.6	6.7	6.9	7.0	6.5	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.8~46.5	38.8~47.9	42.2~48.6	43.1~52.1	41.0~52.9	43.6~53.8	43.6~53.8	42.8~54.0
Sound pressure of 50% capacity at 1m dB(A)	39.0	41.9	44.3	45.2	45.3	46.7	46.7	46.9
Sound pressure at 10m dB(A)	18.8~26.5	18.8~27.9	22.2~28.6	23.1~32.1	21.0~32.9	23.6~33.8	23.6~33.8	22.8~34.0
Heat exchanger	Spiral titanium tube in PVC							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.17-1.66	0.21-1.95	0.26~2.51	0.33~3.08	0.42~3.67	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.74~7.21	0.91~8.48	1.14~10.9	1.43~13.4	1.82~15.9	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	710x753x693	710x753x693	710x775x693	710x775x693	710x775x743	729x955x943	729x955x943	845x955x943
Net weight (kg)	61	66	71	77	95	110	117	141
Qty per 20'FT / 40'HQ (sets)	36/123	36/123	36/123	36/123	36/82	30/66	30/66	24/48

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* The final specs will be in accordance with the specs on the product .



INVERX Horizontal SPECS



Model	IXR26	IXR36	IXR46	IXR56	IXR66	IXR80	IXR80T	IXR110T
Advised pool volume (m³)	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C / Water 26°C / Humidity 80%								
Heating capacity (kW) in Smart mode	8.8	11.3	14.0	18.0	22.0	27.5	27.5	35.0
Heating capacity (kW) in Turbo mode	10.5	13.5	17.0	21.5	26.0	32.0	32.0	40.0
COP in smart mode	8.0	8.5	7.7	7.5	8.0	7.6	7.6	7.5
COP	15.6~7.3	15.5~7.5	16.0~6.6	15.5~6.5	16.5~7.0	16.3~6.5	16.3~6.5	16.3~6.6
COP at 50% capacity	11.8	12.0	11.5	11.5	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C / Water 26°C / Humidity 70%								
Heating capacity (kW) in Smart mode	6.3	7.5	9.5	12.0	15.0	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.0	11.5	14.5	18.0	22.0	22.0	28.5
COP in Smart mode	5.4	5.5	5.2	5.2	5.6	5.5	5.5	5.3
COP	7.1~4.9	7.0~5.0	7.5~4.5	8.0~4.7	8.0~5.1	8.0~5.0	8.0~5.0	8.1~4.8
COP at 50% capacity	6.7	6.7	6.8	7.0	7.0	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Heat exchanger	Spiral titanium tube in PVC							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.18~1.53	0.22~1.8	0.26~2.56	0.31~3.08	0.38~3.53	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.78~6.65	0.96~7.82	1.14~11.3	1.35~13.4	1.65~15.3	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	799×432×650	893×432×650	939×432×650	995×432×750	1125×429×952	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	51	61	65	70	98	102	111	126
Qty per 20'FT / 40'HQ (sets)	90/195	78/180	78/168	50/162	42/92	36/80	36/80	34/72

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* The final specs will be in accordance with the specs on the product .



Full-inverter® INVERTER-PLUS

Up to **15.8x** Energy Saving Average **10** Times Quieter

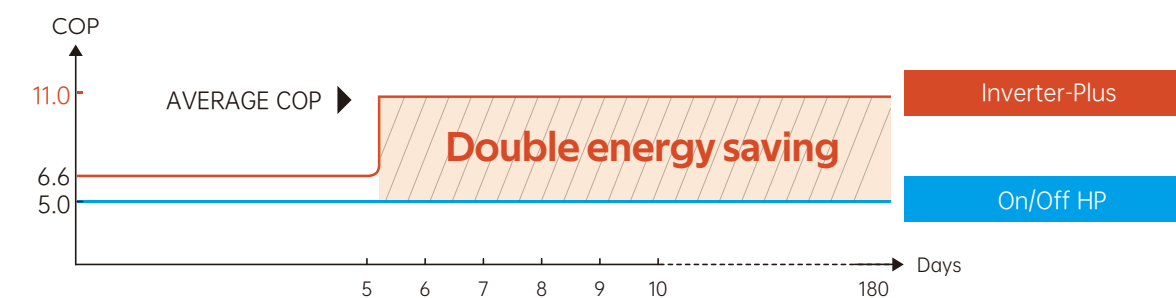


15.8x Energy Saving

COP 15.8: 1kW Input=15.8kW Heat in Return



In most of the time, the Full-inverter heat pump always works with an average COP 11.0 and On/Off with COP 5.0. That's why Full-inverter can be double energy saving.



10 Times Quieter

(The sound pressure is lower to 46 dB(A) at 1 meter which is quieter than the fridge.)
While the sound pressure of On/Off is 59 dB(A), it could provide 10 times quieter swimming environment without noise and worry.

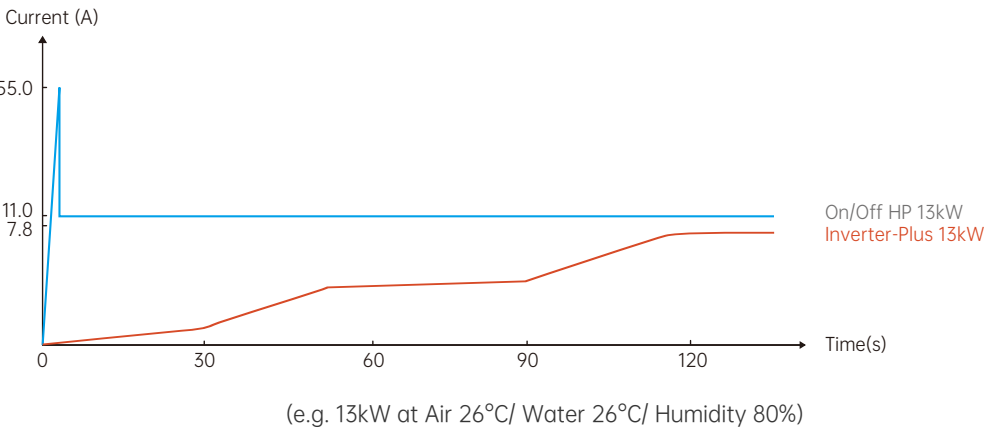


Built-in Wi-Fi & Fairland Smart Pool APP



Soft Start Function

The current will start from 0(A) and go up slowly to rated current in 2 minutes. It will not affect the electricity system, while start current of On/Off is 5 times higher which is a burden to the system.





INVERTER-PLUS SPECS 

Model	IPHR15	IPHR20	IPHR26	IPHR33	IPHR40	IPHR45	IPHR55	IPHR70	IPHR70T	IPHR100T
Advised pool volume (m³)	15~30	20~40	25~45	30~55	35~65	40~75	50~95	65~120	65~120	90~160
Operating air temperature (°C)	-7~43									
Performance Condition: Air 26°C, Water 26°C, Humidity 80%										
Heating capacity (kW)	6.5	8.5	10.5	13.0	15.0	17.5	20.5	27.5	27.3	35.8
COP	14.7~6.0	14.8~7.4	15.0~7.4	15.4~7.3	15.5~6.7	15.8~6.2	15.3~6.0	15.4~6.5	15.3~6.5	15.6~5.8
COP at 50% capacity	10.5	10.9	11.0	11.0	10.9	11.1	10.7	11.2	11.2	10.9
Performance Condition: Air 15°C, Water 26°C, Humidity 70%										
Heating capacity (kW)	4.8	6.3	7.3	9.0	10.5	11.5	14.0	18.0	18.0	24.5
COP	7.3~4.5	7.4~5.0	7.7~4.8	7.7~4.8	7.8~4.6	7.8~4.5	7.7~4.4	8.1~4.8	8.1~4.8	8.0~4.7
COP at 50% capacity	6.3	6.6	6.8	6.8	6.6	6.4	6.3	6.8	6.8	7.0
Sound pressure at 1m dB(A)	37.8~47.2	38.8~48.2	38.6~49.9	42.1~50.7	41.3~55.0	43.1~53.8	40.9~54.2	43.5~54.9	43.5~54.9	42.6~54.7
Sound pressure of 50% capacity at 1m dB(A)	40.1	41.4	43.3	45.7	46.5	46.5	46.4	48.4	48.4	45.8
Sound pressure at 10m dB(A)	17.8~27.2	18.8~28.2	18.6~29.9	22.1~30.7	21.3~35.0	23.1~33.8	20.9~34.2	23.5~34.9	23.5~34.9	22.6~34.7
Compressor	Twin-rotary Mitsubishi DC inverter									
Heat exchanger	Spiral titanium tube in PVC									
Casing	Aluminum-alloy									
Power supply	230V/1 Ph/50Hz								400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.13~1.06	0.17~1.2	0.19~1.5	0.23~1.81	0.27~2.2	0.30~2.6	0.36~3.18	0.55~3.8	0.55~3.9	0.61~5.2
Rated input current at air 15°C (A)	0.56~4.60	0.74~5.2	0.83~6.5	1.00~7.87	1.17~9.6	1.3~11.3	1.57~13.8	2.4~16.5	0.79~5.6	0.88~7.4
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	5~7	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50									
Net dimension LxWxH (mm)	894×359×648	894×359×648	894×359×648	954×359×648	954×359×648	954×429×648	954×429×755	1084×429×948	1084×429×948	1154×539×948
Net weight (kg)	42	45	49	50	52	63	68	90	93	120
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	90/198	78/165	52/165	48/100	48/100	34/72

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

* The final specs will be in accordance with the specs on the product .



Full-inverter® DEHUMIDIFIER

2 Times Energy Saving 10 Times Quieter



10 Times Quieter than Traditional Dehumidifier

Sound pressure lower to 38.3dB(A) at 1 meter

2 Times Energy Saving

Average DER4.3 (Air 30°C/RH 80%)

Patented Design

Compact design for space-saving, 2 installation options
(Floor-standing or wall-mounted installation)

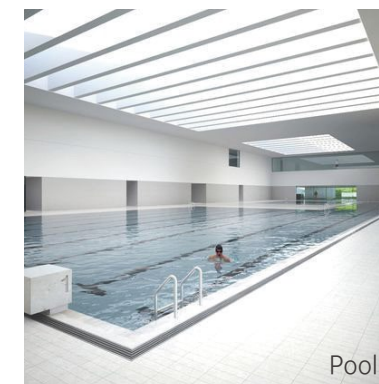


Others Features

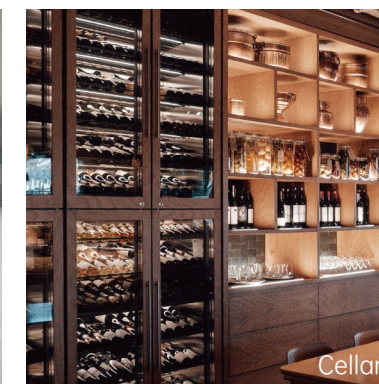
- R32 Eco-Friendly Refrigerant
- Remote Control by Fairland Smart Pool APP
- Optional Electric Heating



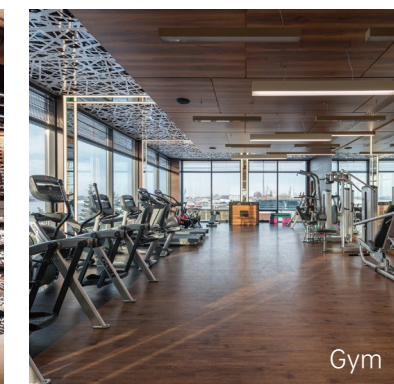
Applications



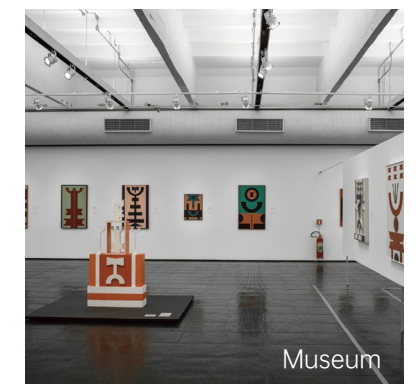
Pool



Cellar



Gym



Museum

Full-inverter Dehumidifier 

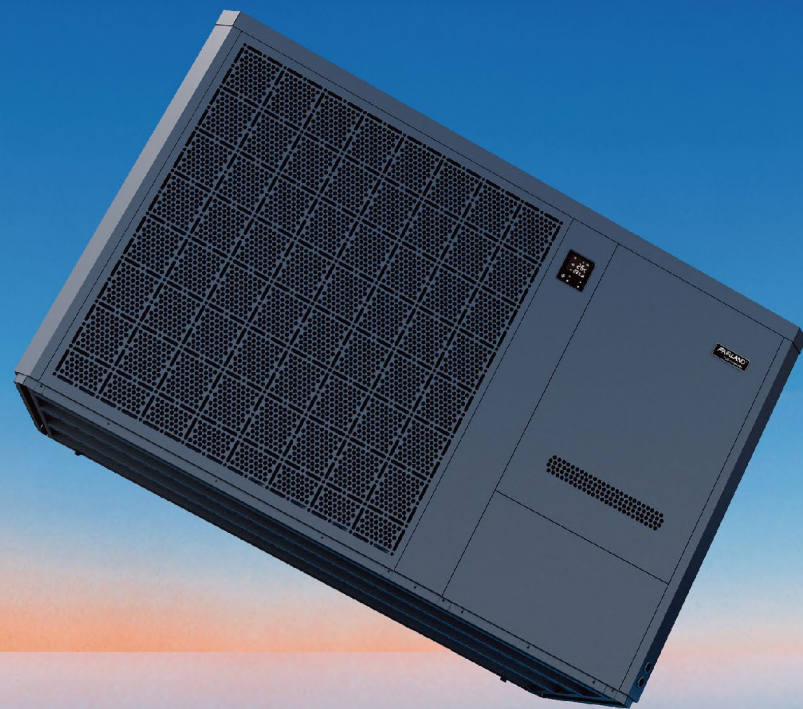
Model	IDHR60	IDHR96	IDHR120
Advised pool surface (m²)	≤25	≤40	≤50
Advised room size (m³)	50~120	80~200	100~240
Operating air temperature (°C)		10~38	
Capacity (l/h) (Air 30°C/ RH 80%)	2.5	4.0	5.0
DER (l/h.kW) (Air 30°C/ RH 80%)	4.00~3.40	4.53~4.05	4.50~3.68
Capacity (l/h) (Air 30°C/ RH 70%)	2.1	3.3	4.2
DER (l/h.kW) (Air 30°C/ RH 70%)	3.34~3.00	4.00~3.50	3.86~3.25
Electric heating optional (kW)	1.3	2.1	2.1
Rated power (kW) (Air 30°C/ RH 80%)	0.11~0.73	0.17~0.99	0.22~1.36
Rated current (A) (Air 30°C/ RH 80%)	0.48~3.17	0.74~4.30	0.96~5.91
Power supply		230V/1 Ph/50Hz	
Sound pressure at 1 m dB(A)	38.3~45.6	40.3~45.8	39.9~46.4
Air flow (m³/h)	600	800	1000
Net dimension LxWxH (mm)	850x291x770	1120x291x770	1220x291x770
Net weight (Kg)	53	68	72
Qty per 20'FT / 40'HQ (sets)	84/258	60/195	58/189

* The final specs will be in accordance with the specs on the product.



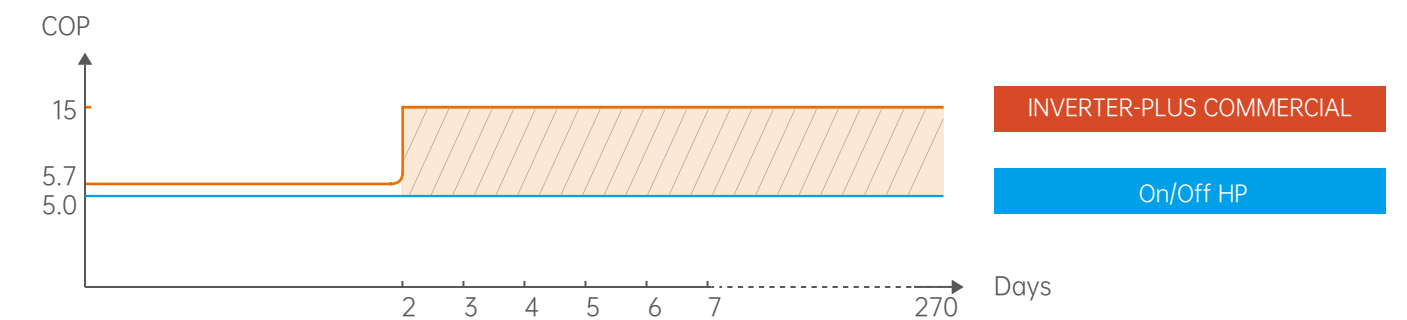
Full-inverter[®] INVERTER-PLUS COMMERCIAL

Up to **15** x Energy Saving Average **10** Times Quieter

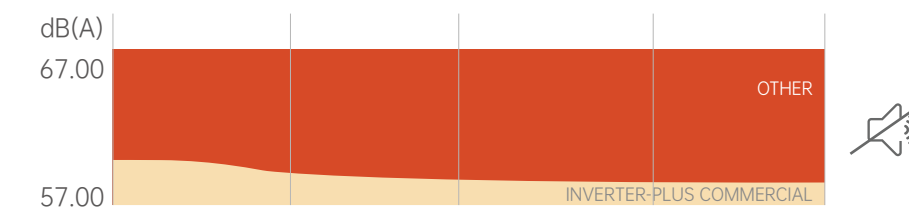


15x Energy Saving

COP 15: 1kW Input = 15kW Heat in Return



10 Times Quieter Than Traditional Commercial Pool HP



INVERTER-PLUS COMMERCIAL (R410A)

Model	IPH150T	IPH300T
Advised pool volume (m³)	130~260	260~520
Performance Condition: Air 26°C, Water 26°C, Humidity 80%		
Heating capacity (kW)	60.0	110.0
COP	15.6~6.5	15.1~6.2
COP at 50% capacity	10.1	10.0
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW)	40.0	81.0
COP	7.5~5.0	7.0~4.6
COP at 50% capacity	6.8	6.8
Sound pressure at 1m dB(A)	54.0~62.0	56.0~65.0
Sound pressure of 50% capacity at 1m dB(A)	56.0	58.0
Sound pressure at 10m dB(A)	34.0~42.0	36.0~45.0
Compressor	DC-inverter	
Heat exchanger	Spiral titanium tube in PVC	
Casing	Aluminum-alloy	
Fan direction	Vertical	
Power supply	400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	2.20~8.03	4.69~17.6
Rated input current at air 15°C (A)	3.17~11.59	6.77~25.4
Advised water flux (m³/h)	20~25	40~50
Water pipe in-out size (mm)	75	110 (Europe) / 114 (Australia)
Net dimension LxWxH (mm)	1110x1023x1260	2100×1090×1280
Net weight (kg)	230	448
Qty per 20'FT / 40'HQ (sets)	8/18	4/9

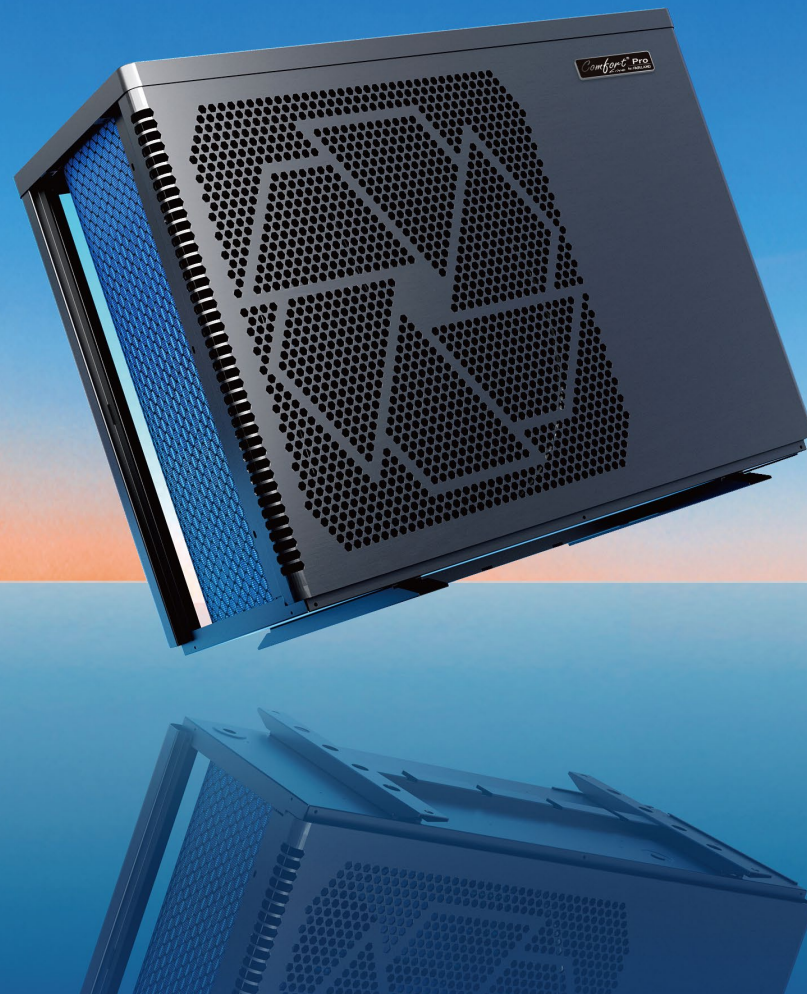
* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

* The final specs will be in accordance with the specs on the product.



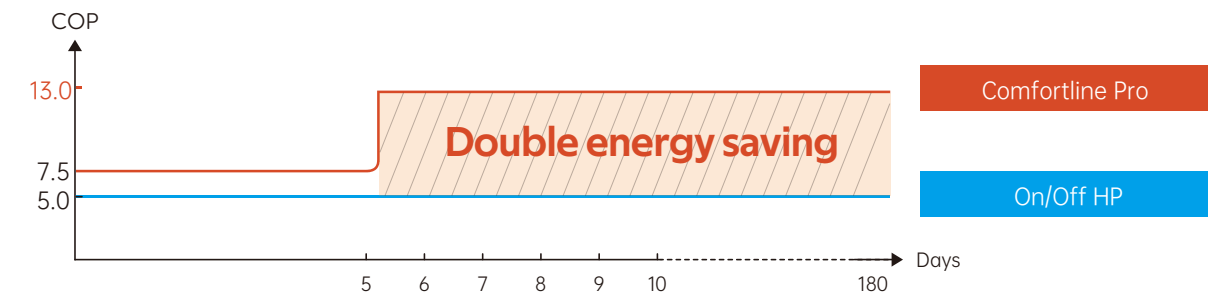
Full-inverter® COMFORTLINE PRO

Up to **13** x Energy Saving Average **8** Times Quieter



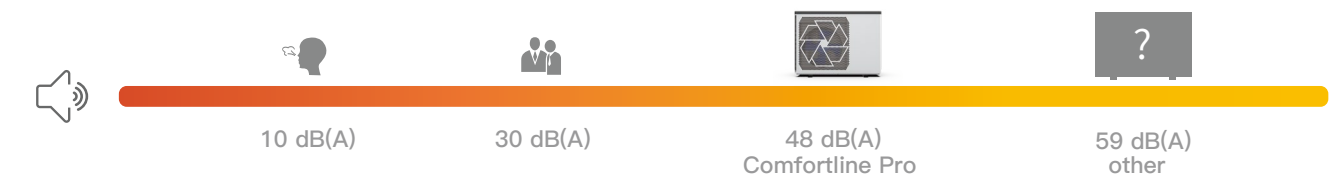
13x Energy Saving

COP 13: 1kW Input = 13kW Heat in Return



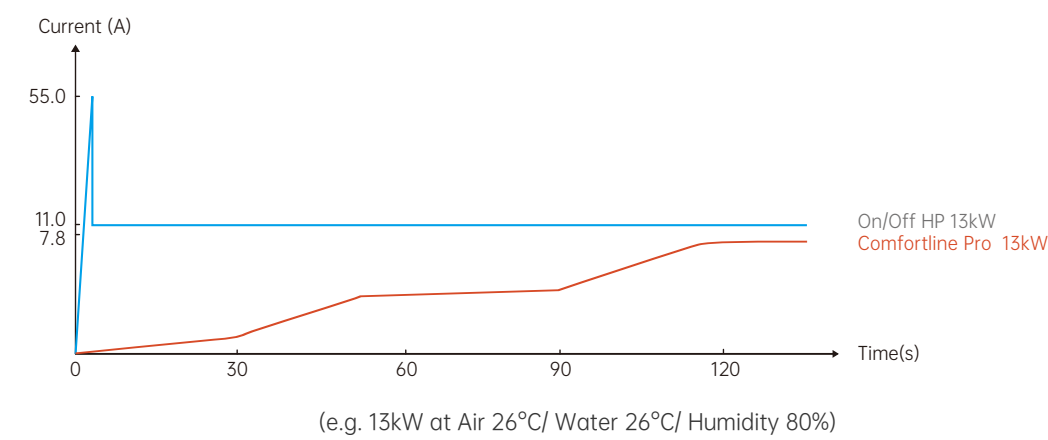
8 Times Quieter

Average noise level 48dB(A)



Soft Start

When the Comfortline Pro is turned on, the current will start from 0(A) and go up slowly to rated current in 2 minutes. Less burden to the electricity system.



High-quality Component



Titanium Heat Exchanger
(Enlarge 30% Heat Exchange Space)

Normal Heat Exchanger

COMFORTLINE PRO SPECS 

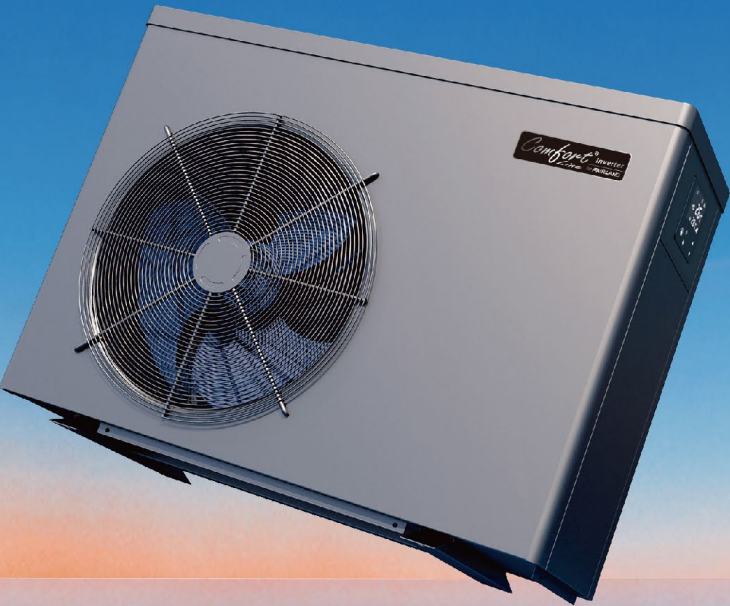
Model	NPR07	NPR09	NPR11	NPR13	NPR17	NPR21
Advised pool volume (m³)	15~30	20~40	25~50	30~60	40~75	50~90
Operating air temperature (°C)	0~43					
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	7.0	9.0	11.0	13.0	16.5	20.5
COP	12.1~7.2	12.6~7.0	12.7~7.0	13.2~7.0	12.3~7.1	12.9~6.5
COP at 50% capacity	9.5	10.5	10.1	10.4	9.9	10.3
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	5.0	6.3	7.8	9.2	11.2	14.2
COP	6.4~4.8	6.8~4.7	6.8~4.9	7.0~5.0	6.8~4.6	7.1~4.3
COP at 50% capacity	5.9	6.0	6.4	6.3	6.2	6.2
Sound pressure at 1m dB(A)	39.4~51.3	40.3~51.0	40.0~52.4	41.9~52.9	44.3~56.1	44.5~57.0
Sound pressure of 50% capacity at 1m dB(A)	43.4	43.3	45.5	48.0	48.2	49.3
Sound pressure at 10m dB(A)	19.4~31.3	20.3~31.0	20.0~32.4	21.9~32.9	24.3~36.1	24.5~37.0
Heat exchanger	Spiral titanium tube in PVC					
Casing	Metal Casing					
Power supply	230V/1 Ph/50Hz					
Rated input power at air 15°C (kW)	0.21~1.04	0.28~1.28	0.33~1.61	0.37~1.84	0.46~2.45	0.56~3.30
Rated input current at air 15°C (A)	0.91~4.52	1.22~5.56	1.43~6.96	1.61~8.05	2.00~10.6	2.43~14.3
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	6~8	8~10
Water pipe in-out size (mm)	50					
Net Dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748
Net weight (kg)	42	46	47	49	60	68
Qty per 20'FT / 40'HQ (sets)	114/252	102/216	102/216	102/216	90/198	60/198

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* The final specs will be in accordance with the specs on the product.



DC-Inverter COMFORTLINE

Up to **11** x Energy Saving Average **7** Times Quieter



11x Energy Saving

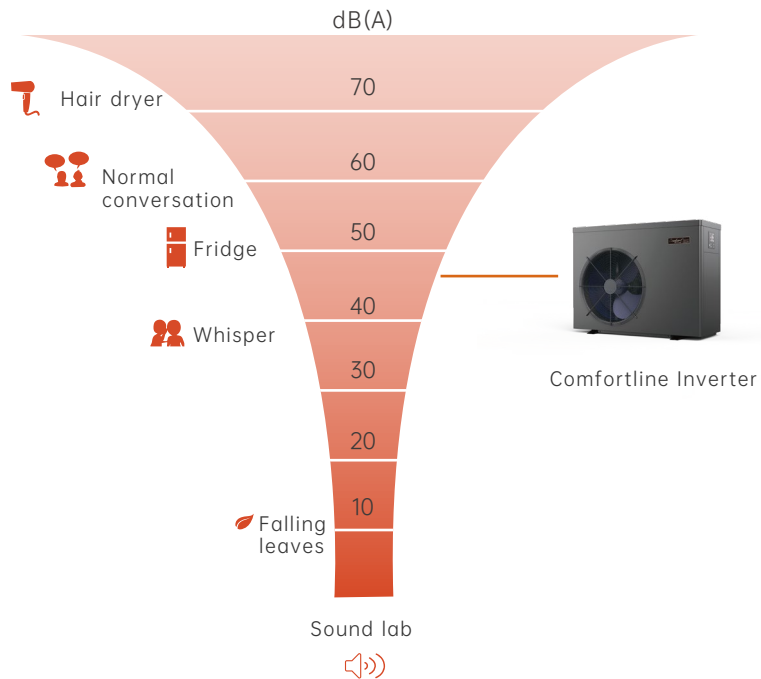
COP 11: 1kW Input = 11kW Heat in Return

Heating Capacity \ Mode COP	BPNR09	BPNR17	BPNR24
20% Heating Capacity	10.6	11.2	11.8
50% Heating Capacity	9.6	9.7	10.2
100% Heating Capacity	6.8	7.1	6.5

(Air 26°C/ Water 26°C/ Humidity 80%)

7 Times Quieter than On/Off Heat Pump

DC Inverter Compressor, Low Noise Running





COMFORTLINE INVERTER



Model	BPNR07	BPNR09	BPNR13	BPNR17	BPNR21	BPNR24
Advised pool volume (m³)	15~30	20~35	30~50	35~65	45~80	55~90
Operating air temperature (°C)	0~43					
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	7.0	9.0	12.5	16.0	20.0	24.0
COP	10.3~6.6	10.6~6.8	11.6~7.0	11.2~7.1	11.8~6.5	11.8~6.5
COP at 50% capacity	9.3	9.6	10.1	9.7	10.2	10.2
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	5.0	6.3	8.5	11.0	14.0	16.0
COP	6.0~4.8	6.1~4.5	6.3~4.8	6.4~4.7	6.5~4.6	6.5~4.6
COP at 50% capacity	5.8	5.7	6.1	5.9	6.1	6.2
Sound pressure at 1m dB(A)	38.8~50.2	40.6~52.5	42.9~53.0	45.2~56.3	45.3~57.1	45.8~57.8
Sound pressure of 50% capacity at 1m dB(A)	42.8	45.8	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	18.8~30.2	20.6~32.5	22.9~33.0	25.2~36.3	25.3~37.1	25.8~37.8
Heat exchanger	Spiral titanium tube in PVC					
Casing	Metal casing with plastic coating					
Power supply	230V/1 Ph/50Hz					
Rated input power at air 15°C (kW)	0.29~1.04	0.36~1.40	0.47~1.78	0.59~2.34	0.75~3.04	0.86~3.48
Rated input current at air 15°C (A)	1.26~4.52	1.57~6.09	2.02~7.74	2.52~10.17	3.26~13.21	3.74~15.13
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12
Water pipe in-out size (mm)	50					
Net Dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	954×359×648	954×359×748	954×429×755
	872×349×654	872×349×654	872×349×654	962×349×654	962×349×754	961×420×758
Net weight (kg)	42	46	49	60	68	68
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	60/198	52/165

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
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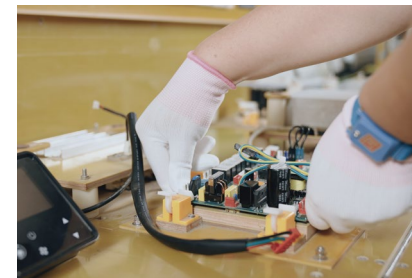
TurboSilence® Failure Rate < 0.24%

Full-inverter Failure Rate < 0.1%

QC SYSTEM

Pursue 0% Failure Rate

To pursue high quality, Fairland respects the international standard & quality management system before/ during/ after production.



BEFORE PRODUCTION

- Persist in adopting high-quality components for 20 years
- 8 hours high-temp aging running test and 100% QC on whole control system
- High-rate random inspection for all components



DURING PRODUCTION

- Silver welding (5% silver) for more reliable refrigerant circuit system
- 3 times refrigerant leakage test
- Complete electrical safety test



AFTER PRODUCTION

- 45 mins running test for every unit
- Drying/cleaning/anti-rust treatment for every unit
- 1% random inspection for mass production in the lab



> After-Sales Service > Technical Support

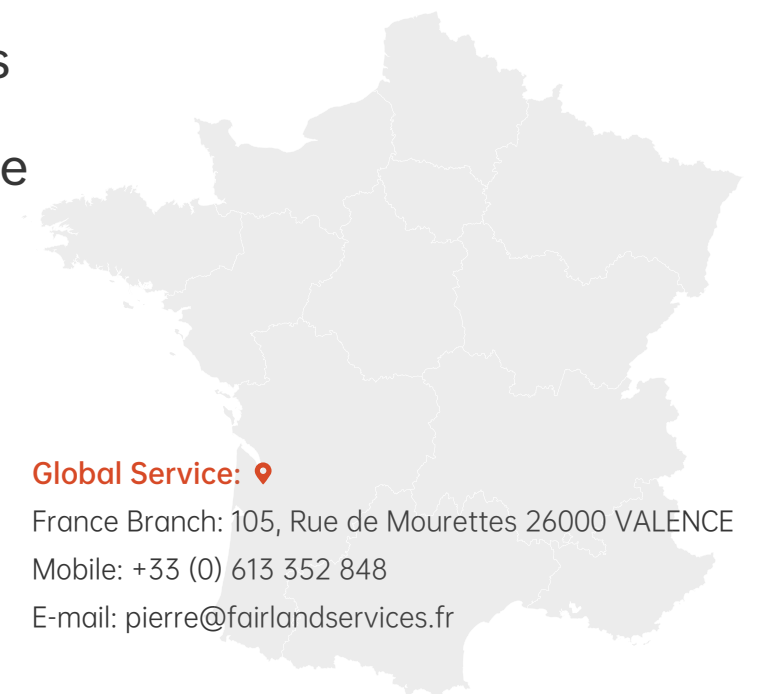
Pursue the Ultimate Customer Experience

24 Hrs : Failures Respond

72 Hrs : Solutions

72 Hrs : Spare Parts Express

24 Hrs/7 d : Online Service



Global Service: 📍

France Branch: 105, Rue de Mourettes 26000 VALENCE

Mobile: +33 (0) 613 352 848

E-mail: pierre@fairlandservices.fr

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Tel: 0086-20-87322418

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E-mail: sales@fairland.com.cn

Web: www.fairland.com.cn

20x Saving iGarden



FAIRLAND®
20x Saving iGarden

CONTENT



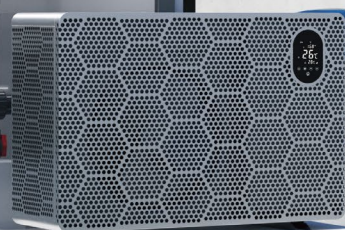
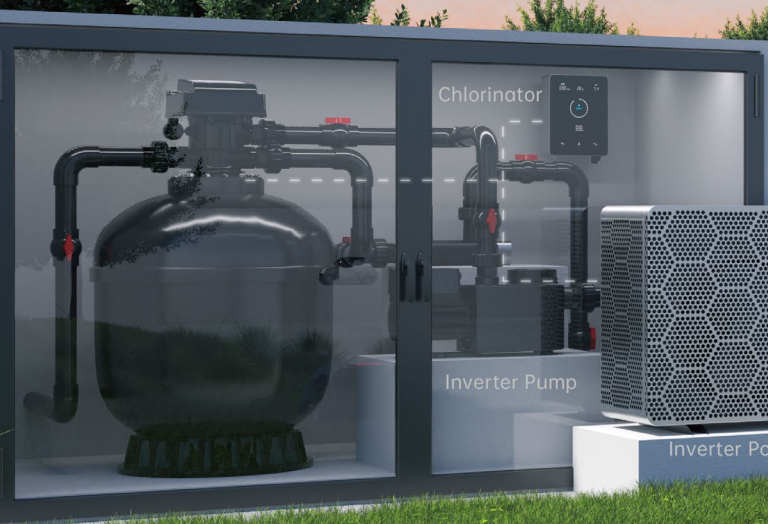
01 Fairland - 20x Saving iGarden

02 Fairland – Technological Innovations

03 Fairland – QC & Service

20x Saving iGarden

Solar Panel

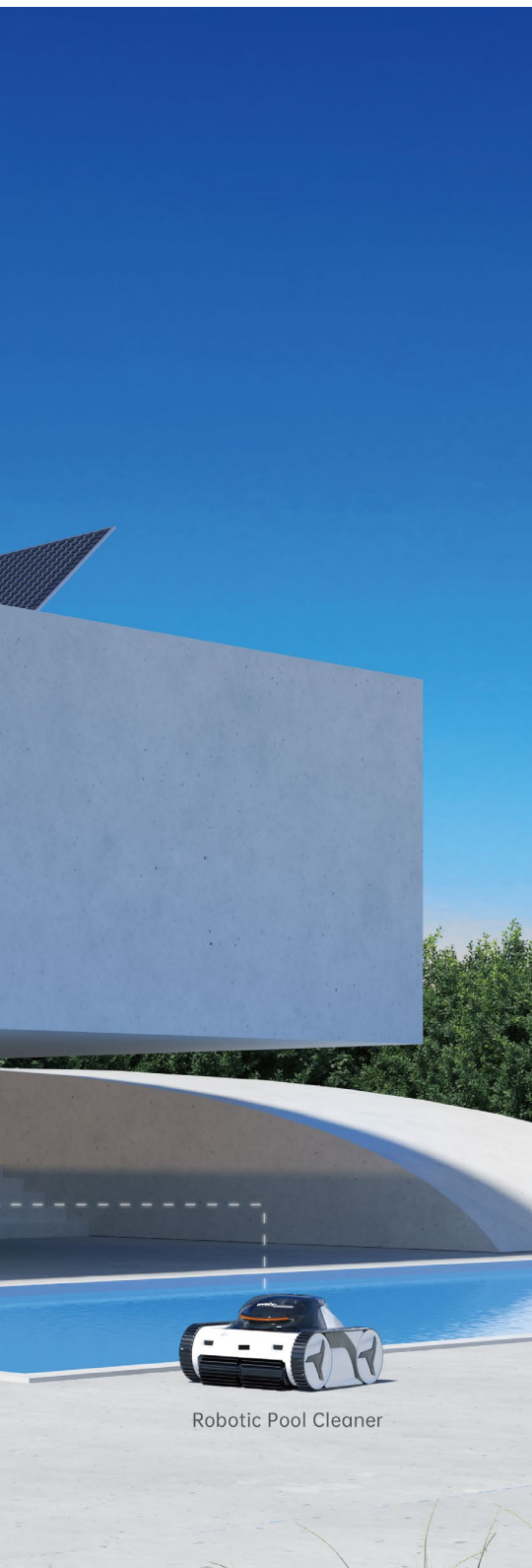


Inverter Pool Heat Pump



Robotic Lawnmower





Robotic Pool Cleaner



FAIRLAND®

20x Saving iGarden

Fairland has been dedicated to innovating technologies, products, and solutions to create an ideal life of iGarden. Fairland's revolutionary technology becomes the pioneer in various fields, covering solutions from inverter swimming pools to intelligent gardens. As the creator of smart iGarden, Fairland aims to bring geek experience to users in 120+ countries and the future of ultimately unique 4-season iGarden life.

20+ Years



1999

Heat pump production base was established.

2005

Fairland launched the pool heat pump in Europe & South Africa and had been welcomed by end-users.

2001

Fairland brand was registered.

2007

Brand agents authorized in Europe, South Africa, and Australia.

2010

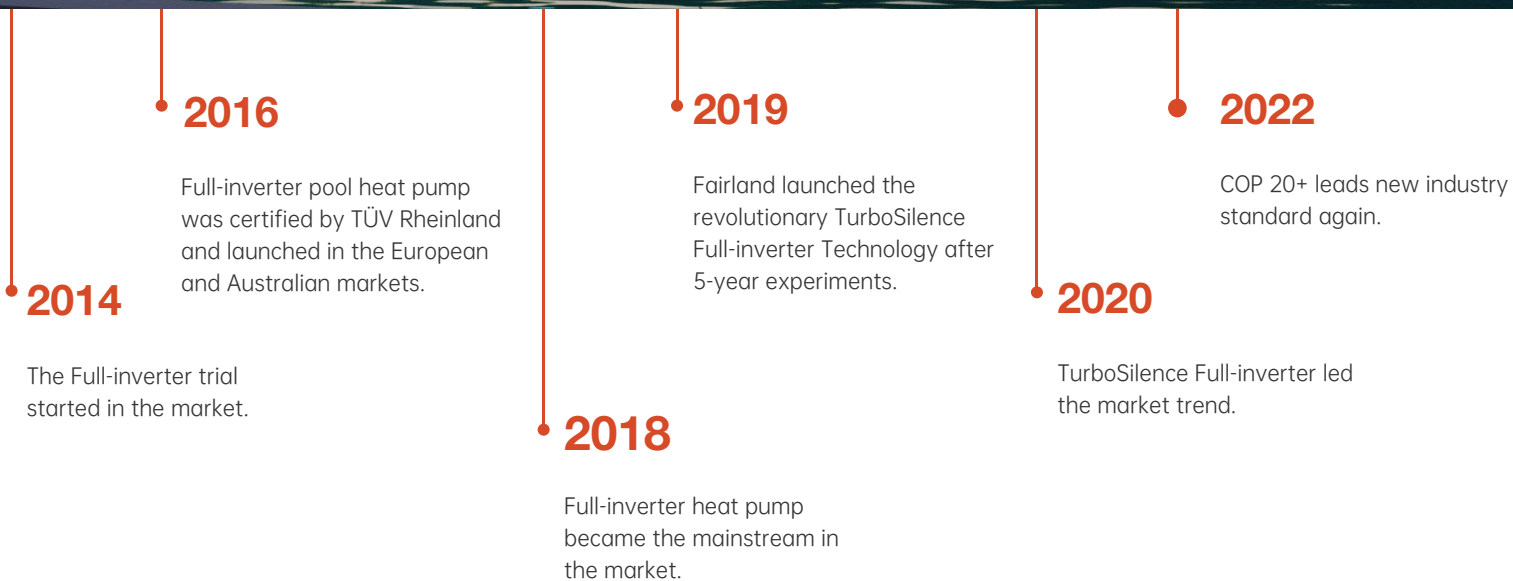
The Full-inverter development project was established.

2011

As the 1st company to develop Full-inverter technology, Fairland led the inverter pool heat pump market trend.

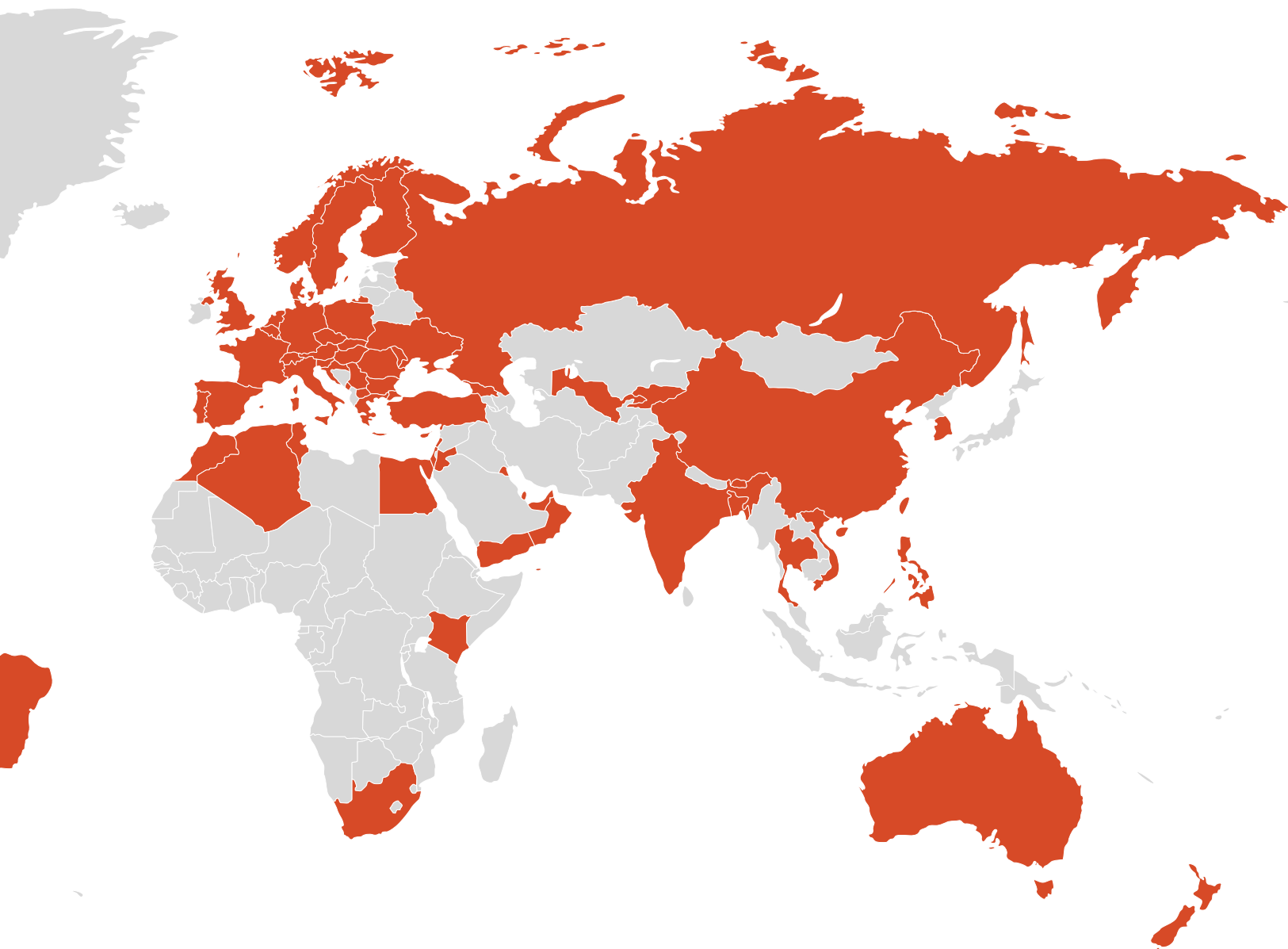
2012

Booster technology was launched.



120+
Countries





Europe



America



Oceania

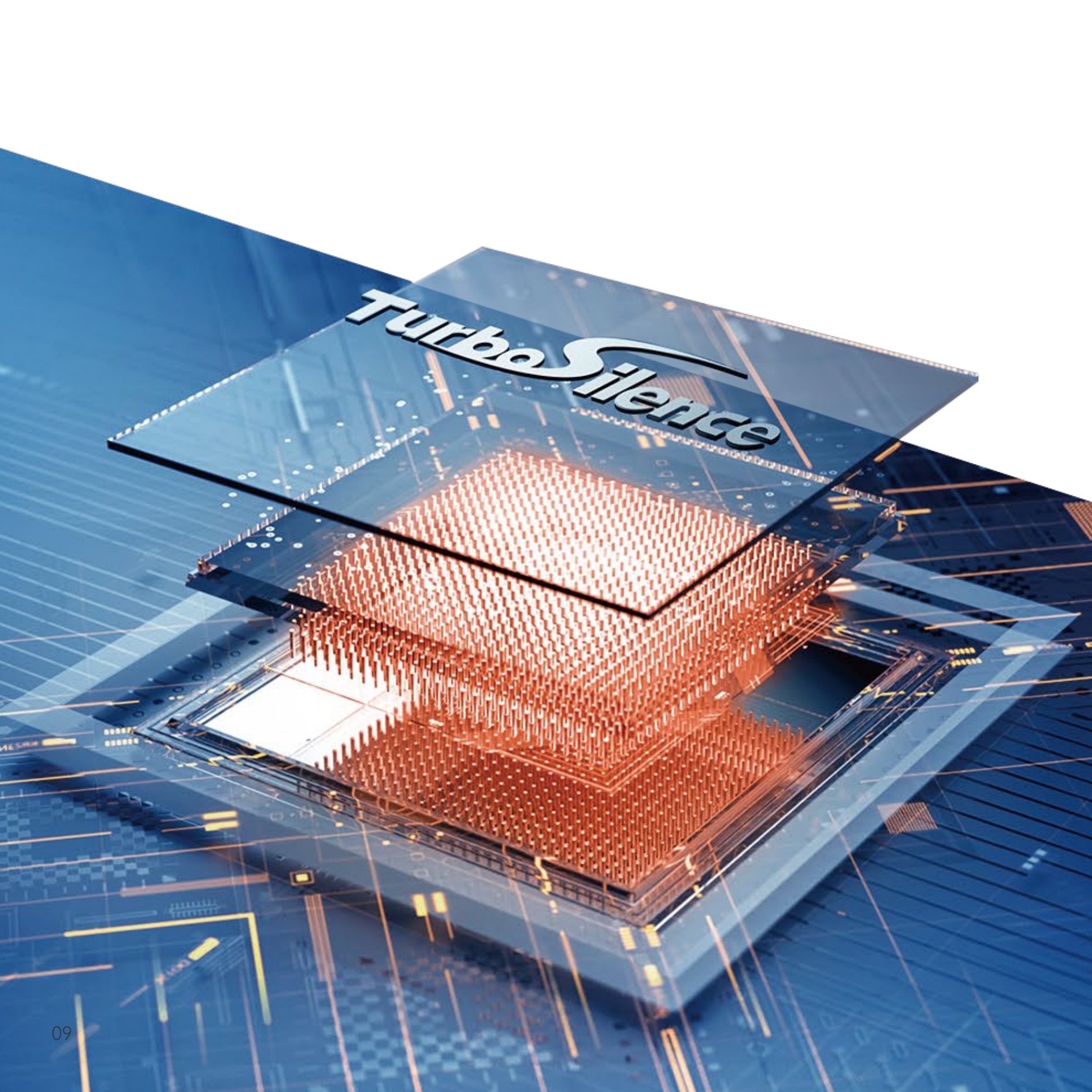


Asia



Africa





COP20+

Redefines New Standard

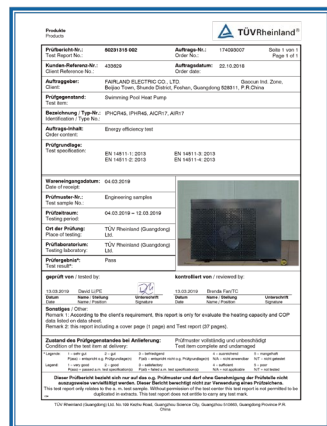
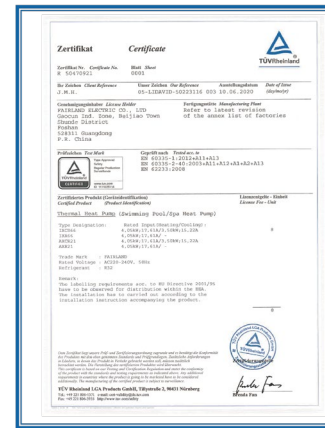
With swimming pools and gardens as the core, Fairland is committed to providing worldwide users with smart products that are environment-friendly and energy-saving, conveying a pleasant 4-season outdoor life. Fairland's pool heat pumps redefine a new standard in the global pool industry – COP20+ and up to 20 times quieter, driving the industry to move forward.

20 Billion kWh

Energy-Saving Per Year

Fairland owns 4 cutting-edge labs with 60+ senior R&D technicians and 100+ internationally authorized patents for products and technologies. Fairland aims at sharing a sustainable intelligent iGarden life with global users through continuous innovative energy-saving performance.









Live a Smart iGarden Life

Fairland is always striving to provide the best solutions for families who desire to enjoy smart iGarden life at any moment. The milestone of Fairland's growing history has always come with tech breakthroughs. Fairland transformed the pool garden from just summer relaxation to a 4-season paradise by applying an inverter to the pool heat pump. Fairland will ultimately lead the way in the advent of iGarden products and solutions, such a combination will play an essential part in the future of iGarden living.



**Fairland Technological
Innovations**



Comfortline Pro



InverX20



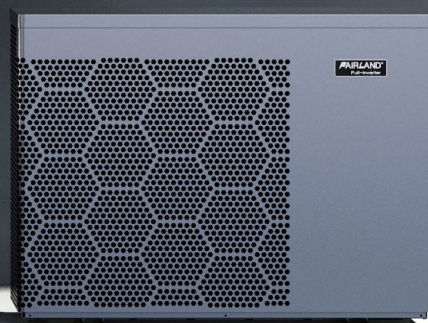
InverX



InverX Vertical



Inverter-Plus



What is SCOP?

The development of inverter pool heat pumps and the evolution of technology push the calculation criteria for power efficiency performance up. The seasonal coefficient of performance (SCOP) has been the new industry standard from 2022.

SCOP is a higher calculation methodology than COP, which estimates the overall energy efficiency of a pool heat pump more precisely and comprehensively. SCOP is formulated by the Association Francaise de Normalization and European Committee for Standardization whose value is to predict the whole seasonal energy utilization based on inspecting variant operating frequencies and temperature.

Customers could use the SCOP ranking system (Ratifying pool heat pumps from A to F) to understand a product's efficiency and then easily and accurately select the most efficient products.

The Ranking System of SCOP Energy Efficiency:

SCOP	Rank
SCOP ≥ 7	A
7 > SCOP ≥ 6	B
6 > SCOP ≥ 4	C
4 > SCOP ≥ 3	D
3 > SCOP ≥ 1	E
SCOP < 1	F

Fairland TurboSilence
Inverter Pool Heat Pump

The entire range of Fairland **TurboSilence** inverter pool heat pumps has achieved the **A-rank** SCOP standard (Seasonal COP >7) and COP (highest 16.5, TÜV Rheinland certified).



TurboSilence®

Full-inverter



Up to 20x
Energy Saving



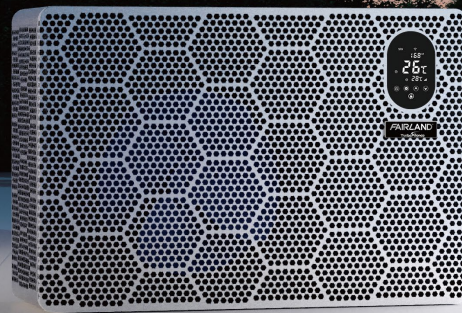
Up to 20
Times Quieter



20% Extra Heating
Capacity



0 Compressor
Noise



The TurboSilence Full-inverter is optimized based on Fairland's original Full-inverter technology. It perfectly balances inverter-compressor control and heat exchanging technology, bringing Turbo performance and Silence operation.

Turbo: 120% Heating Capacity

Quickly heating to reach the desired pool temperature.

Silence: Intelligent adjustment when maintaining temperature

30% heating capacity on average to maintain the desired temperature with less noise and 20 times energy saving.

Full-inverter technology drives the DC-inverter twin-rotary compressor hertz-by-hertz and runs the DC-inverter brushless fan motor round-by-round to achieve the optimum performance. At the beginning of the swimming season, Full-inverter pool heat pumps will heat the pool water to the set temperature at 100% heating capacity and then maintain the required temperature at an averagely of 30% of power consumption, which brings up to 15.8 times energy saving.





A modern architectural structure with white and grey geometric forms is situated on a platform over a body of water. The sky is a gradient of blue and orange, suggesting a sunset or sunrise. The water reflects the sky and the structure. A large, faint hexagonal pattern is visible in the background.

TurboSilence® INVERX20

Up to **20**x Energy Saving
(1kW Input, 20kW Heat in Return)

Up to **20** Times Quieter

20x Saving iGarden

20x Energy Saving

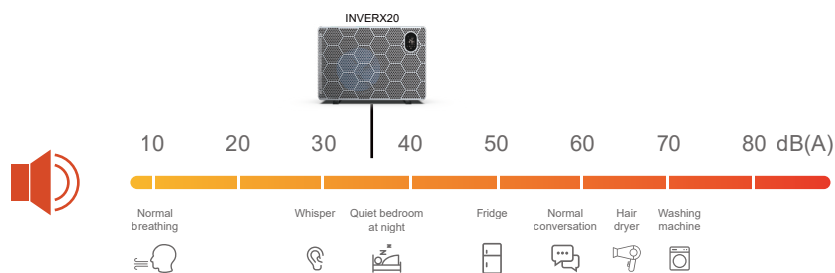
COP 20: 1kW Input = 20kW Heat in Return

TurboSilence Full-inverter control system adapts with precise energy consumption solutions, COP up to 20, average COP>15. Even at low temperature, it can automatically and intelligently control the heat pump to produce free heat output according to pool need.

20 Times Quieter

Sound Pressure 20 Times Lower than On/Off Heat Pump

Mitsubishi twin-rotatory compressor minimizes vibration and achieves low noise operation.



4 Season Running

Operation Temperature down to -15°C

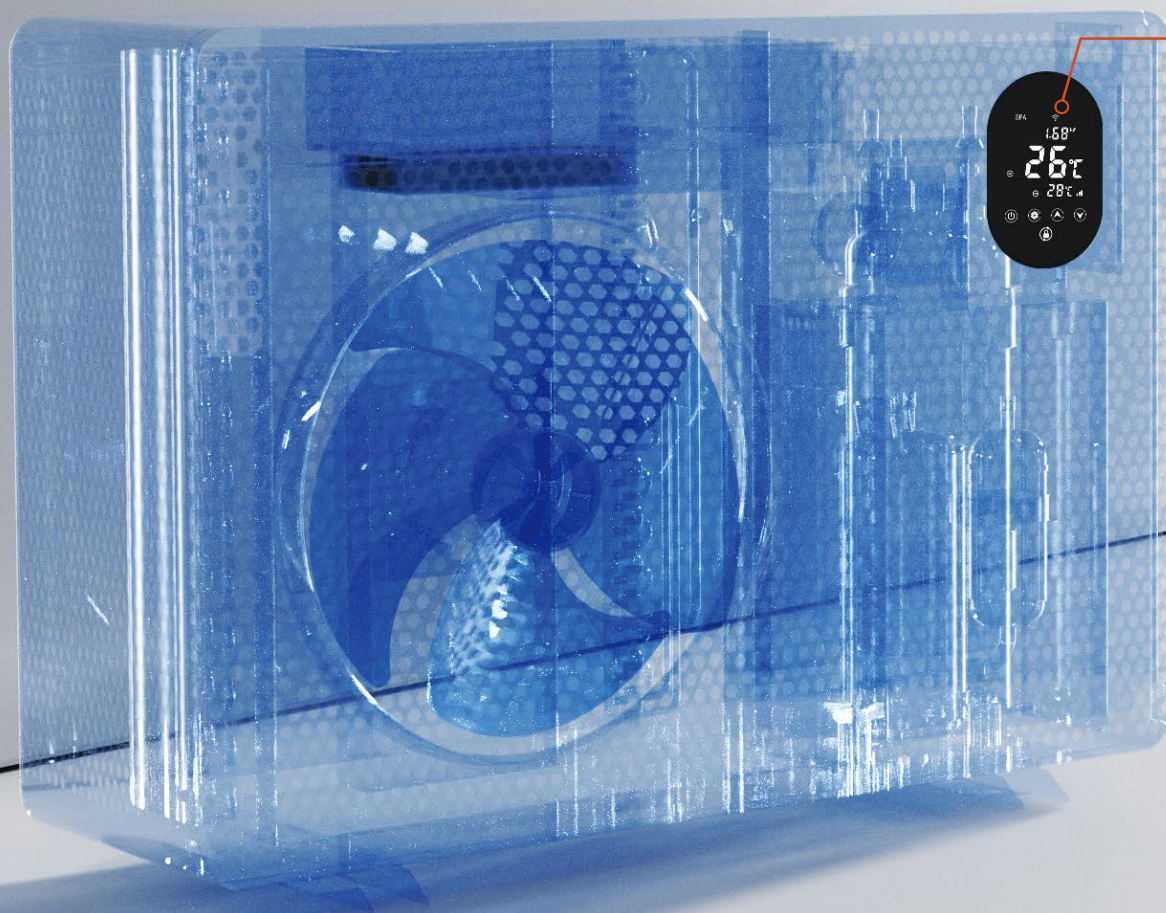
Extend swimming seasons to all year round.

❄️ -15°C

☀️ 43°C









Real-time Power
Consumption Display

Holographic Display
Touch Controller

INVERX20 SPECS

Model	IXP26	IXP36	IXP46	IXP56	IXP66	IXP80	IXP80T	IXP110T
Advised pool volume (m3)	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
COP	18.8~7.6	20.0~7.8	20.0~7.0	20.7~7.4	20.3~7.3	20.0~7.5	20.0~7.5	20.2~7.3
COP at 50% capacity	15	15.2	15.1	15.3	15.2	15.1	15.1	15
COP at 20% capacity	18.8	20	20	20.7	20.3	20	20	20.2
Heating capacity (kW) in Smart mode	8.8	11.3	14	18	22	27.5	27.5	35
Heating capacity (kW) in Turbo mode	11	13.5	17	21	26	32	32	40
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
COP	8.0~5.0	8.1~5.2	8.0~4.7	8.0~4.9	8.3~5.1	8.3~5.4	8.3~5.4	8.2~5.0
COP at 50% capacity	7.2	7.3	7.4	7.5	7.7	7.6	7.6	7.5
COP at 20% capacity	8	8.1	8	8	8.3	8.3	8.3	8.2
Heating capacity (kW) in Smart mode	6.3	7.5	9.5	12	15	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.2	11.5	14.8	18.2	22.3	22.3	28.5
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Heat exchanger	"3D Spiral" titanium heat exchanger							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.19~1.53	0.23~1.8	0.29~2.45	0.31~3.02	0.38~3.57	0.46~4.1	0.46~4.1	0.60~5.7
Rated input current at air 15°C (A)	0.83~6.65	0.91~7.82	1.26~10.6	1.35~13.1	1.65~15.5	2.01~17.8	0.66~5.91	0.87~8.22
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	799×432×650	893×432×650	939×432×650	995×432×750	1125×429×952	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	/	/	/	/	/	/	/	/
Qty per 20'FT / 40'HQ (sets)	/	/	/	/	/	/	/	/

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

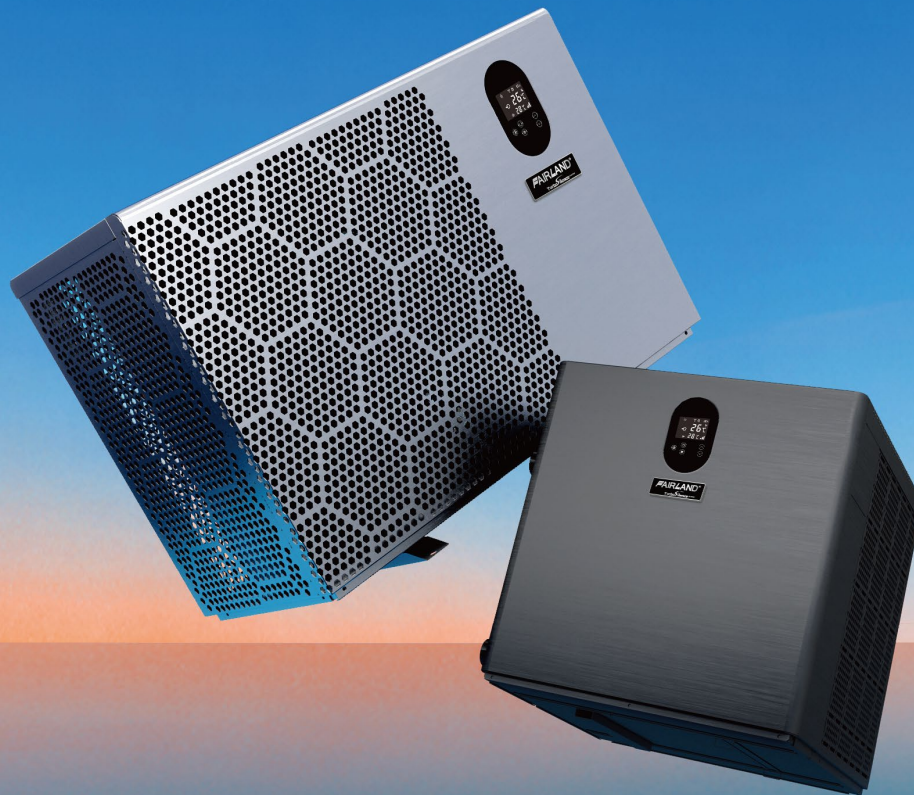
* The final specs will be in accordance with the specs on the product .



TurboSilence®

INVERX

Up to **16** x Energy Saving Up to **15** Times Quieter





16x Energy Saving

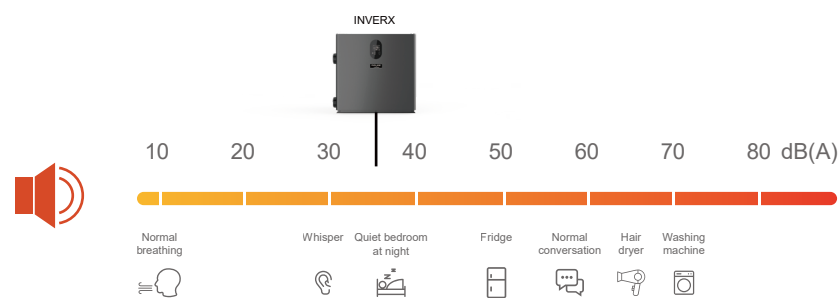
COP 16: 1kW Input = 16kW Heat in Return

Intelligent adjustment of heating capacity, average COP 11.6 at 50% capacity, COP up to 16.5 (Air 26°C/Water 26°C/Humidity 80%).

15 Times Quieter

Sound Pressure Lower to 38 dB(A)

The compressor and the fan work at very low speed when maintaining the temperature, reducing the noise level around 38 dB(A) at 1m.





Patented Design

Biomimetic Hexagon Design

Maximum Heat Exchange Space

Higher Heat Exchange Efficiency





**Real-time Power
Consumption Display**

Home Spa Experience

Water outlet up to 40°C, enjoy spa experience at home.

Fairland Smart Pool APP

Built-in Wi-Fi module, manage heating schedule or monitor power consumption anytime and anywhere.



Applications



INVERX Vertical SPECS



Model	IXR26V	IXR36V	IXR46V	IXR56V	IXR66V	IXR80V	IXR80VT	IXR110VT
Advised pool volume (m3)	20~40	25~50	30~60	40~75	50~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
Heating capacity (kW) in Smart mode	8.8	11.3	14.5	18.0	23.0	27.5	27.5	35.0
Heating capacity (kW) in Turbo mode	10.5	13.5	17.5	21.5	27.0	32.0	32.0	40.0
COP in Smart mode	7.8	7.9	8.0	7.5	8.0	7.6	7.6	7.5
COP	15.4~7.1	15.6~7.0	16.1~6.7	16.0~6.5	15.3~7.1	16.3~6.5	16.3~6.5	16.0~6.6
COP at 50% capacity	11.5	11.8	12.1	12.0	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
Heating capacity (kW) in Smart mode	6.3	7.5	10.0	12.0	15.0	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.0	12.0	14.5	18.0	22.0	22.0	28.5
COP in Smart mode	5.1	5.1	5.0	5.0	5.1	5.5	5.5	5.3
COP	7.2~4.5	7.5~4.6	8.0~4.6	7.6~4.5	7.5~4.9	8.0~5.0	8.0~5.0	7.9~4.8
COP at 50% capacity	6.6	6.7	6.9	7.0	6.5	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.8~46.5	38.8~47.9	42.2~48.6	43.1~52.1	41.0~52.9	43.6~53.8	43.6~53.8	42.8~54.0
Sound pressure of 50% capacity at 1m dB(A)	39.0	41.9	44.3	45.2	45.3	46.7	46.7	46.9
Sound pressure at 10m dB(A)	18.8~26.5	18.8~27.9	22.2~28.6	23.1~32.1	21.0~32.9	23.6~33.8	23.6~33.8	22.8~34.0
Heat exchanger	Spiral titanium tube in PVC							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.17~1.66	0.21~1.95	0.26~2.51	0.33~3.08	0.42~3.67	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.74~7.21	0.91~8.48	1.14~10.9	1.43~13.4	1.82~15.9	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	710x753x693	710x753x693	710x775x693	710x775x693	710x775x743	729x955x943	729x955x943	845x955x943
Net weight (kg)	61	66	71	77	95	110	117	141
Qty per 20'FT / 40'HQ (sets)	36/123	36/123	36/123	36/123	36/82	30/66	30/66	24/48

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
 * The final specs will be in accordance with the specs on the product .



INVERX Horizontal SPECS



Model	IXR26	IXR36	IXR46	IXR56	IXR66	IXR80	IXR80T	IXR110T
Advised pool volume (m³)	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C / Water 26°C / Humidity 80%								
Heating capacity (kW) in Smart mode	8.8	11.3	14.0	18.0	22.0	27.5	27.5	35.0
Heating capacity (kW) in Turbo mode	10.5	13.5	17.0	21.5	26.0	32.0	32.0	40.0
COP in smart mode	8.0	8.5	7.7	7.5	8.0	7.6	7.6	7.5
COP	15.6~7.3	15.5~7.5	16.0~6.6	15.5~6.5	16.5~7.0	16.3~6.5	16.3~6.5	16.3~6.6
COP at 50% capacity	11.8	12.0	11.5	11.5	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C / Water 26°C / Humidity 70%								
Heating capacity (kW) in Smart mode	6.3	7.5	9.5	12.0	15.0	18.5	18.5	24.5
Heating capacity (kW) in Turbo mode	7.5	9.0	11.5	14.5	18.0	22.0	22.0	28.5
COP in Smart mode	5.4	5.5	5.2	5.2	5.6	5.5	5.5	5.3
COP	7.1~4.9	7.0~5.0	7.5~4.5	8.0~4.7	8.0~5.1	8.0~5.0	8.0~5.0	8.1~4.8
COP at 50% capacity	6.7	6.7	6.8	7.0	7.0	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Heat exchanger	Spiral titanium tube in PVC							
Casing	Aluminum-alloy Casing							
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.18~1.53	0.22~1.8	0.26~2.56	0.31~3.08	0.38~3.53	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.78~6.65	0.96~7.82	1.14~11.3	1.35~13.4	1.65~15.3	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50							
Net Dimension LxWxH (mm)	799×432×650	893×432×650	939×432×650	995×432×750	1125×429×952	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	51	61	65	70	98	102	111	126
Qty per 20'FT / 40'HQ (sets)	90/195	78/180	78/168	50/162	42/92	36/80	36/80	34/72

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

* The final specs will be in accordance with the specs on the product .



Full-inverter[®] **INVERTER-PLUS**

Up to **15.8**x Energy Saving Average **10** Times Quieter

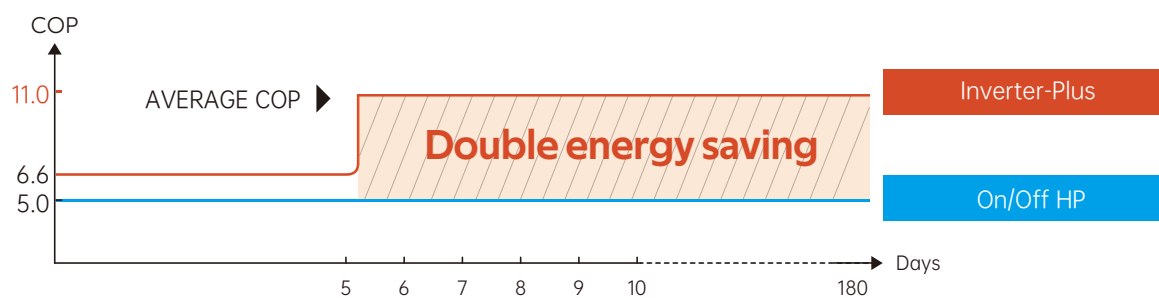


15.8x Energy Saving

COP 15.8: 1kW Input=15.8kW Heat in Return



In most of the time, the Full-inverter heat pump always works with an average COP 11.0 and On/Off with COP 5.0. That's why Full-inverter can be double energy saving.



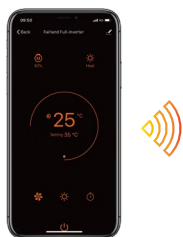
10 Times Quieter

(The sound pressure is lower to 46 dB(A) at 1 meter which is quieter than the fridge.)

While the sound pressure of On/Off is 59 dB(A), it could provide 10 times quieter swimming environment without noise and worry.

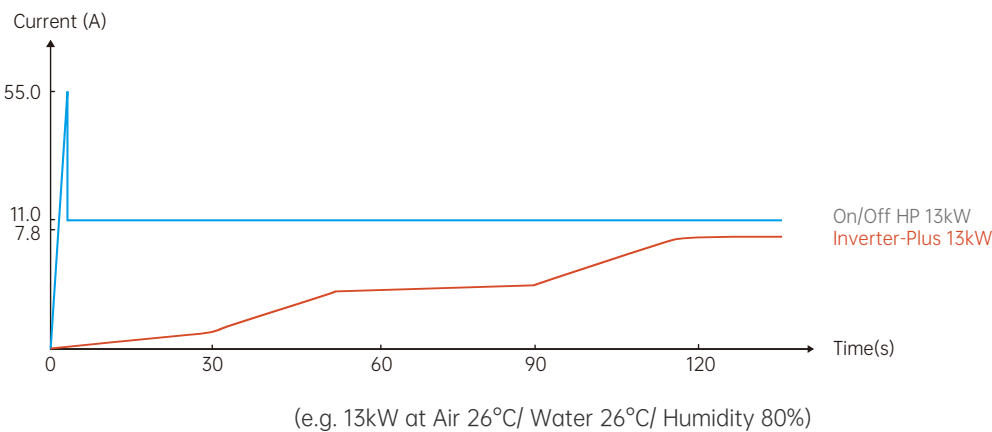


Built-in Wi-Fi & Fairland Smart Pool APP



Soft Start Function

The current will start from 0(A) and go up slowly to rated current in 2 minutes. It will not affect the electricity system, while start current of On/Off is 5 times higher which is a burden to the system.



INVERTER-PLUS SPECS

Model	IPHR15	IPHR20	IPHR26	IPHR33	IPHR40	IPHR45	IPHR55	IPHR70	IPHR70T	IPHR100T
Advised pool volume (m³)	15~30	20~40	25~45	30~55	35~65	40~75	50~95	65~120	65~120	90~160
Operating air temperature (°C)	-7~43									
Performance Condition: Air 26°C, Water 26°C, Humidity 80%										
Heating capacity (kW)	6.5	8.5	10.5	13.0	15.0	17.5	20.5	27.5	27.3	35.8
COP	14.7~6.0	14.8~7.4	15.0~7.4	15.4~7.3	15.5~6.7	15.8~6.2	15.3~6.0	15.4~6.5	15.3~6.5	15.6~5.8
COP at 50% capacity	10.5	10.9	11.0	11.0	10.9	11.1	10.7	11.2	11.2	10.9
Performance Condition: Air 15°C, Water 26°C, Humidity 70%										
Heating capacity (kW)	4.8	6.3	7.3	9.0	10.5	11.5	14.0	18.0	18.0	24.5
COP	7.3~4.5	7.4~5.0	7.7~4.8	7.7~4.8	7.8~4.6	7.8~4.5	7.7~4.4	8.1~4.8	8.1~4.8	8.0~4.7
COP at 50% capacity	6.3	6.6	6.8	6.8	6.6	6.4	6.3	6.8	6.8	7.0
Sound pressure at 1m dB(A)	37.8~47.2	38.8~48.2	38.6~49.9	42.1~50.7	41.3~55.0	43.1~53.8	40.9~54.2	43.5~54.9	43.5~54.9	42.6~54.7
Sound pressure of 50% capacity at 1m dB(A)	40.1	41.4	43.3	45.7	46.5	46.5	46.4	48.4	48.4	45.8
Sound pressure at 10m dB(A)	17.8~27.2	18.8~28.2	18.6~29.9	22.1~30.7	21.3~35.0	23.1~33.8	20.9~34.2	23.5~34.9	23.5~34.9	22.6~34.7
Compressor	Twin-rotary Mitsubishi DC inverter									
Heat exchanger	Spiral titanium tube in PVC									
Casing	Aluminum-alloy									
Power supply	230V/1 Ph/50Hz								400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	0.13~1.06	0.17~1.2	0.19~1.5	0.23~1.81	0.27~2.2	0.30~2.6	0.36~3.18	0.55~3.8	0.55~3.9	0.61~5.2
Rated input current at air 15°C (A)	0.56~4.60	0.74~5.2	0.83~6.5	1.00~7.87	1.17~9.6	1.3~11.3	1.57~13.8	2.4~16.5	0.79~5.6	0.88~7.4
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	5~7	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)	50									
Net dimension LxWxH (mm)	894×359×648	894×359×648	894×359×648	954×359×648	954×359×648	954×429×648	954×429×755	1084×429×948	1084×429×948	1154×539×948
Net weight (kg)	42	45	49	50	52	63	68	90	93	120
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	90/198	78/165	52/165	48/100	48/100	34/72

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

* The final specs will be in accordance with the specs on the product .



Full-inverter[®] **DEHUMIDIFIER**

2 Times Energy Saving **10** Times Quieter



10 Times Quieter than Traditional Dehumidifier

Sound pressure lower to 38.3dB(A) at 1 meter

2 Times Energy Saving

Average DER4.3 (Air 30°C/RH 80%)

Patented Design

Compact design for space-saving, 2 installation options
(Floor-standing or wall-mounted installation)

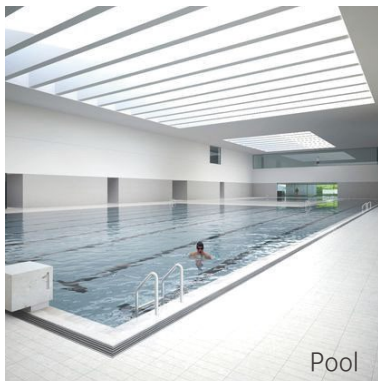


Others Features

- R32 Eco-Friendly Refrigerant
- Remote Control by Fairland Smart Pool APP
- Optional Electric Heating



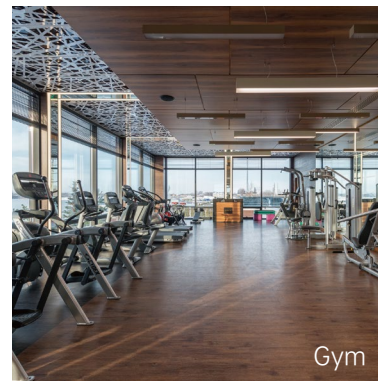
Applications



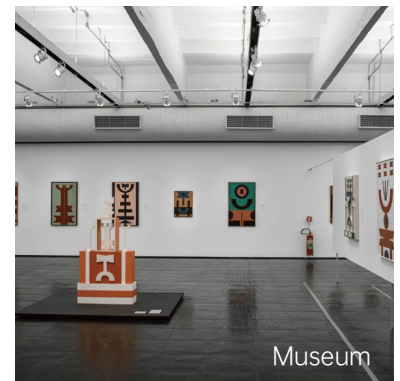
Pool



Cellar



Gym



Museum

Full-inverter Dehumidifier

Model	IDHR60	IDHR96	IDHR120
Advised pool surface (m²)	≤25	≤40	≤50
Advised room size (m²)	50~120	80~200	100~240
Operating air temperature (°C)	10~38		
Capacity (l/h) (Air 30°C/ RH 80%)	2.5	4.0	5.0
DER (l/h.kW) (Air 30°C/ RH 80%)	4.00~3.40	4.53~4.05	4.50~3.68
Capacity (l/h) (Air 30°C/ RH 70%)	2.1	3.3	4.2
DER (l/h.kW) (Air 30°C/ RH 70%)	3.34~3.00	4.00~3.50	3.86~3.25
Electric heating optional (kW)	1.3	2.1	2.1
Rated power (kW) (Air 30°C/ RH 80%)	0.11~0.73	0.17~0.99	0.22~1.36
Rated current (A) (Air 30°C/ RH 80%)	0.48~3.17	0.74~4.30	0.96~5.91
Power supply	230V/1 Ph/50Hz		
Sound pressure at 1 m dB(A)	38.3~45.6	40.3~45.8	39.9~46.4
Air flow (m³/h)	600	800	1000
Net dimension LxWxH (mm)	850x291x770	1120x291x770	1220x291x770
Net weight (Kg)	53	68	72
Qty per 20'FT / 40'HQ (sets)	84/258	60/195	58/189

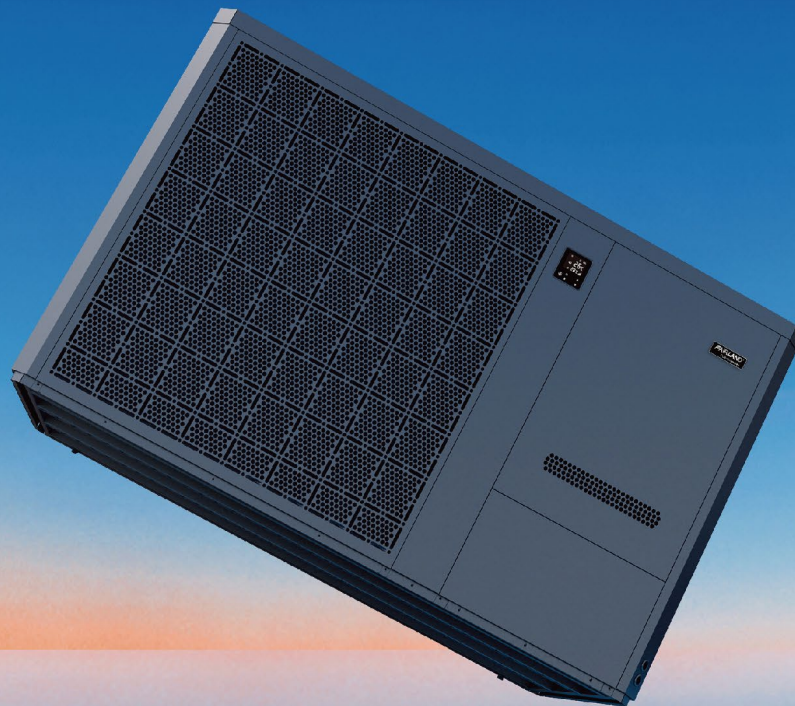
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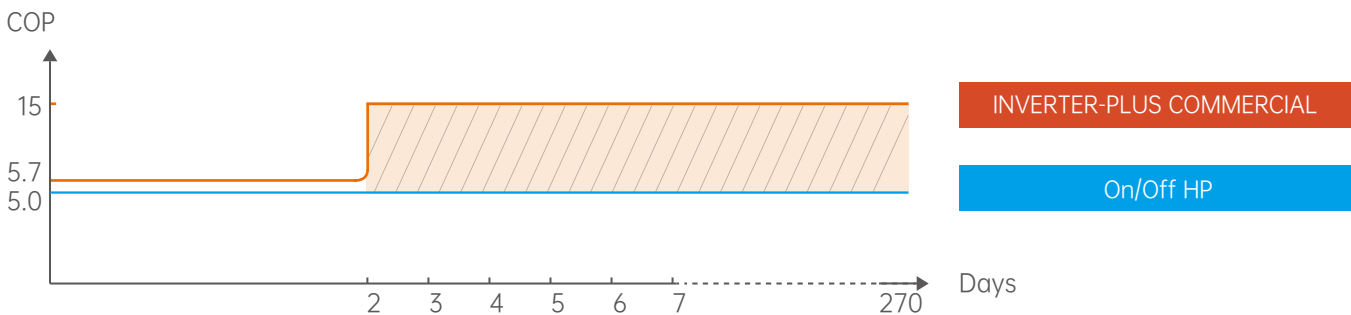
Full-inverter[®] **INVERTER-PLUS COMMERCIAL**

Up to **15** x Energy Saving Average **10** Times Quieter

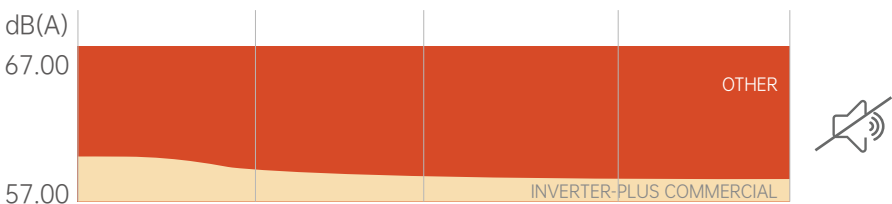


15x Energy Saving

COP 15: 1kW Input = 15kW Heat in Return



10 Times Quieter Than Traditional Commercial Pool HP



INVERTER-PLUS COMMERCIAL (R410A)

Model	IPH150T	IPH300T
Advised pool volume (m³)	130~260	260~520
Performance Condition: Air 26°C, Water 26°C, Humidity 80%		
Heating capacity (kW)	60.0	110.0
COP	15.6~6.5	15.1~6.2
COP at 50% capacity	10.1	10.0
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW)	40.0	81.0
COP	7.5~5.0	7.0~4.6
COP at 50% capacity	6.8	6.8
Sound pressure at 1m dB(A)	54.0~62.0	56.0~65.0
Sound pressure of 50% capacity at 1m dB(A)	56.0	58.0
Sound pressure at 10m dB(A)	34.0~42.0	36.0~45.0
Compressor	DC-inverter	
Heat exchanger	Spiral titanium tube in PVC	
Casing	Aluminum-alloy	
Fan direction	Vertical	
Power supply	400V/3 Ph/50Hz	
Rated input power at air 15°C (kW)	2.20~8.03	4.69~17.6
Rated input current at air 15°C (A)	3.17~11.59	6.77~25.4
Advised water flux (m³/h)	20~25	40~50
Water pipe in-out size (mm)	75	110 (Europe) / 114 (Australia)
Net dimension LxWxH (mm)	1110x1023x1260	2100x1090x1280
Net weight (kg)	230	448
Qty per 20'FT / 40'HQ (sets)	8/18	4/9

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

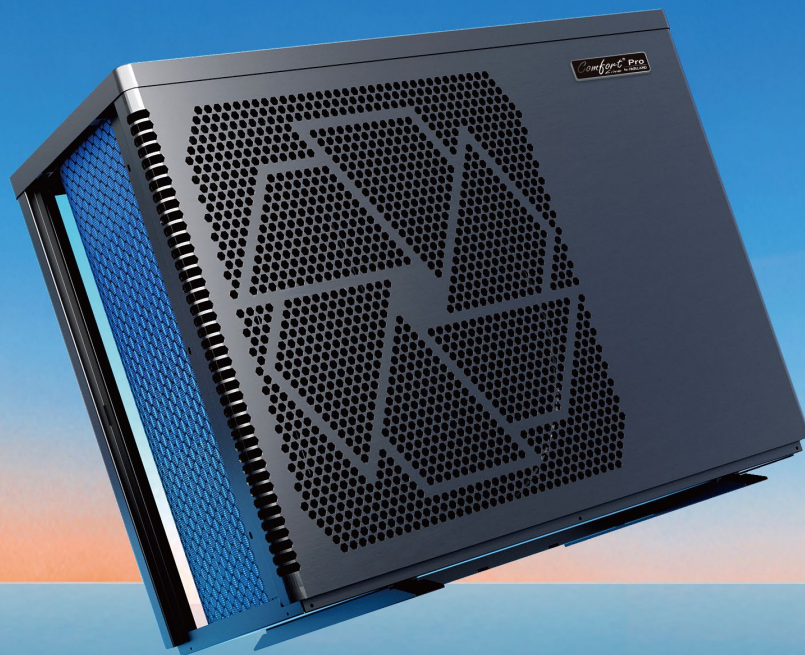
* The final specs will be in accordance with the specs on the product.





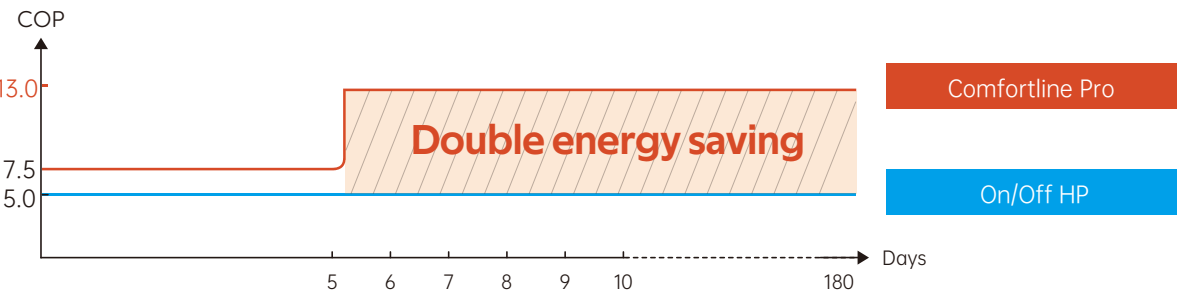
Full-inverter® COMFORTLINE PRO

Up to **13** x Energy Saving Average **8** Times Quieter



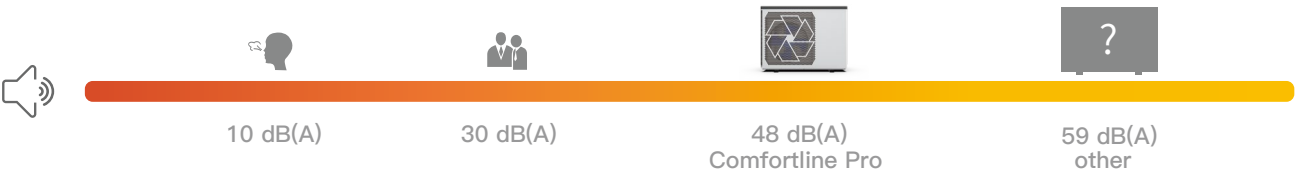
13x Energy Saving

COP 13: 1kW Input = 13kW Heat in Return



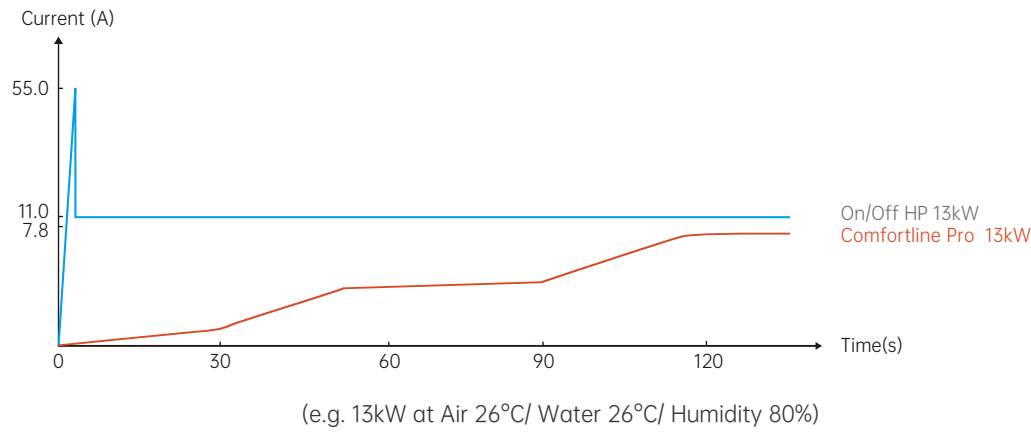
8 Times Quieter

Average noise level 48dB(A)







Soft Start

When the Comfortline Pro is turned on, the current will start from 0(A) and go up slowly to rated current in 2 minutes. Less burden to the electricity system.



High-quality Component



Normal Heat Exchanger

Titanium Heat Exchanger
(Enlarge 30% Heat Exchange Space)

COMFORTLINE PRO SPECS

Model	NPR07	NPR09	NPR11	NPR13	NPR17	NPR21
Advised pool volume (m³)	15~30	20~40	25~50	30~60	40~75	50~90
Operating air temperature (°C)	0~43					
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	7.0	9.0	11.0	13.0	16.5	20.5
COP	12.1~7.2	12.6~7.0	12.7~7.0	13.2~7.0	12.3~7.1	12.9~6.5
COP at 50% capacity	9.5	10.5	10.1	10.4	9.9	10.3
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	5.0	6.3	7.8	9.2	11.2	14.2
COP	6.4~4.8	6.8~4.7	6.8~4.9	7.0~5.0	6.8~4.6	7.1~4.3
COP at 50% capacity	5.9	6.0	6.4	6.3	6.2	6.2
Sound pressure at 1m dB(A)	39.4~51.3	40.3~51.0	40.0~52.4	41.9~52.9	44.3~56.1	44.5~57.0
Sound pressure of 50% capacity at 1m dB(A)	43.4	43.3	45.5	48.0	48.2	49.3
Sound pressure at 10m dB(A)	19.4~31.3	20.3~31.0	20.0~32.4	21.9~32.9	24.3~36.1	24.5~37.0
Heat exchanger	Spiral titanium tube in PVC					
Casing	Metal Casing					
Power supply	230V/1 Ph/50Hz					
Rated input power at air 15°C (kW)	0.21~1.04	0.28~1.28	0.33~1.61	0.37~1.84	0.46~2.45	0.56~3.30
Rated input current at air 15°C (A)	0.91~4.52	1.22~5.56	1.43~6.96	1.61~8.05	2.00~10.6	2.43~14.3
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	6~8	8~10
Water pipe in-out size (mm)	50					
Net Dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748
Net weight (kg)	42	46	47	49	60	68
Qty per 20'FT / 40'HQ (sets)	114/252	102/216	102/216	102/216	90/198	60/198

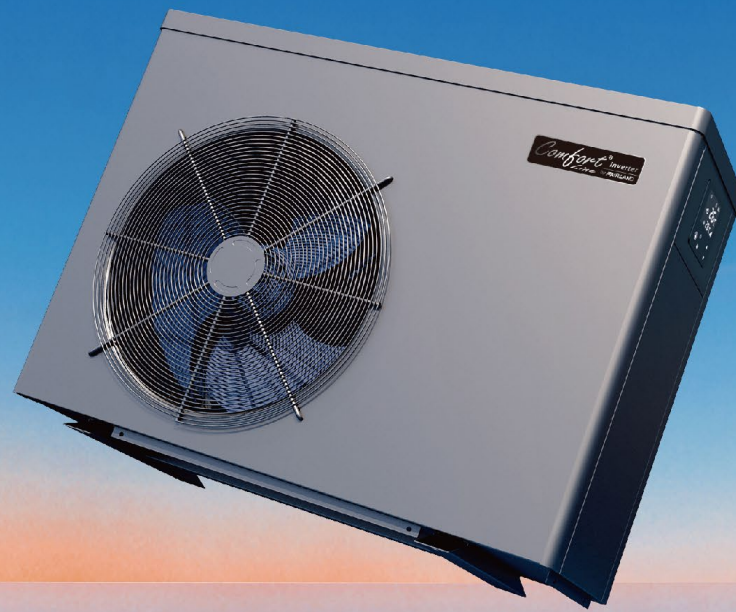
* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
 * The final specs will be in accordance with the specs on the product.



DC-Inverter COMFORTLINE

Up to **11** x Energy Saving

Average **7** Times Quieter



11x Energy Saving

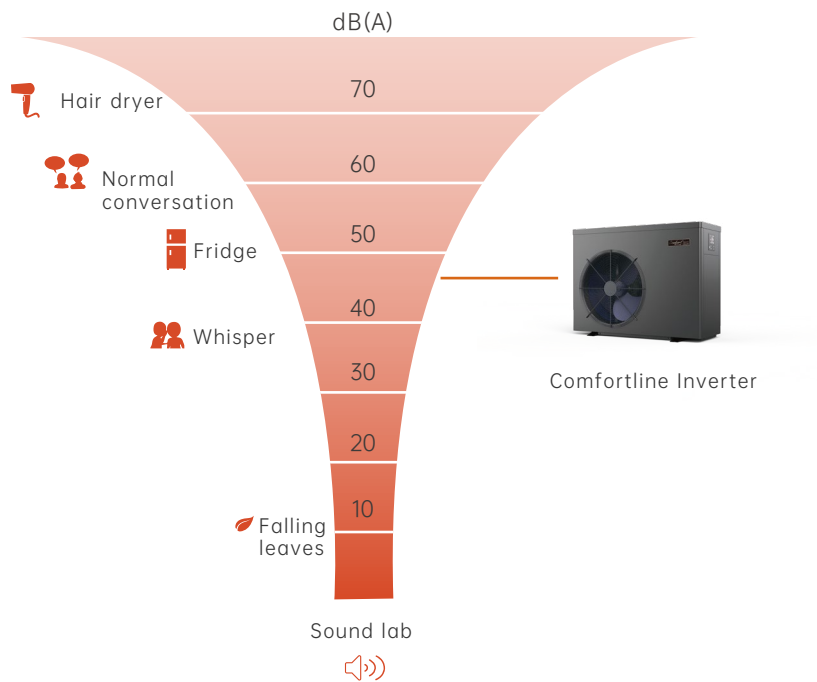
COP 11: 1kW Input = 11kW Heat in Return

Heating Capacity \ Mode	COP	BPNR09	BPNR17	BPNR24
20% Heating Capacity		10.6	11.2	11.8
50% Heating Capacity		9.6	9.7	10.2
100% Heating Capacity		6.8	7.1	6.5

(Air 26°C/ Water 26°C/ Humidity 80%)

7 Times Quieter than On/Off Heat Pump

DC Inverter Compressor, Low Noise Running





COMFORTLINE INVERTER

Model	BPNR07	BPNR09	BPNR13	BPNR17	BPNR21	BPNR24
Advised pool volume (m³)	15~30	20~35	30~50	35~65	45~80	55~90
Operating air temperature (°C)	0~43					
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	7.0	9.0	12.5	16.0	20.0	24.0
COP	10.3~6.6	10.6~6.8	11.6~7.0	11.2~7.1	11.8~6.5	11.8~6.5
COP at 50% capacity	9.3	9.6	10.1	9.7	10.2	10.2
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	5.0	6.3	8.5	11.0	14.0	16.0
COP	6.0~4.8	6.1~4.5	6.3~4.8	6.4~4.7	6.5~4.6	6.5~4.6
COP at 50% capacity	5.8	5.7	6.1	5.9	6.1	6.2
Sound pressure at 1m dB(A)	38.8~50.2	40.6~52.5	42.9~53.0	45.2~56.3	45.3~57.1	45.8~57.8
Sound pressure of 50% capacity at 1m dB(A)	42.8	45.8	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	18.8~30.2	20.6~32.5	22.9~33.0	25.2~36.3	25.3~37.1	25.8~37.8
Heat exchanger	Spiral titanium tube in PVC					
Casing	Metal casing with plastic coating					
Power supply	230V/1 Ph/50Hz					
Rated input power at air 15°C (kW)	0.29~1.04	0.36~1.40	0.47~1.78	0.59~2.34	0.75~3.04	0.86~3.48
Rated input current at air 15°C (A)	1.26~4.52	1.57~6.09	2.02~7.74	2.52~10.17	3.26~13.21	3.74~15.13
Advised water flux (m³/h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12
Water pipe in-out size (mm)	50					
Net Dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	954×359×648	954×359×748	954×429×755
	872×349×654	872×349×654	872×349×654	962×349×654	962×349×754	961×420×758
Net weight (kg)	42	46	49	60	68	68
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	60/198	52/165

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
 * The final specs will be in accordance with the specs on the product .





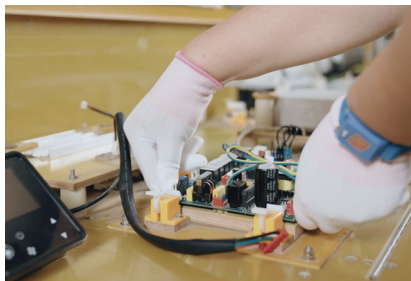
TurboSilence® Failure Rate < 0.24%

Full-inverter Failure Rate < 0.1%

QC SYSTEM

Pursue 0% Failure Rate

To pursue high quality, Fairland respects the international standard & quality management system before/ during/ after production.



BEFORE PRODUCTION

- Persist in adopting high-quality components for 20 years
- 8 hours high-temp aging running test and 100% QC on whole control system
- High-rate random inspection for all components



DURING PRODUCTION

- Silver welding (5% silver) for more reliable refrigerant circuit system
- 3 times refrigerant leakage test
- Complete electrical safety test



AFTER PRODUCTION

- 45 mins running test for every unit
- Drying/cleaning/anti-rust treatment for every unit
- 1% random inspection for mass production in the lab



> After-Sales Service

> Technical Support

Pursue the Ultimate Customer Experience

24 Hrs : Failures Respond

72 Hrs : Solutions

72 Hrs : Spare Parts Express

24 Hrs/7 d : Online Service



Global Service: 📍

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