

**FAIRLAND®**  
2X Saving iGarden



**INVERX**  
NOT JUST NEW





# 4 SEASON GYM 4 SEASON FUN

Running Temperature Down to  $-15^{\circ}\text{C}$





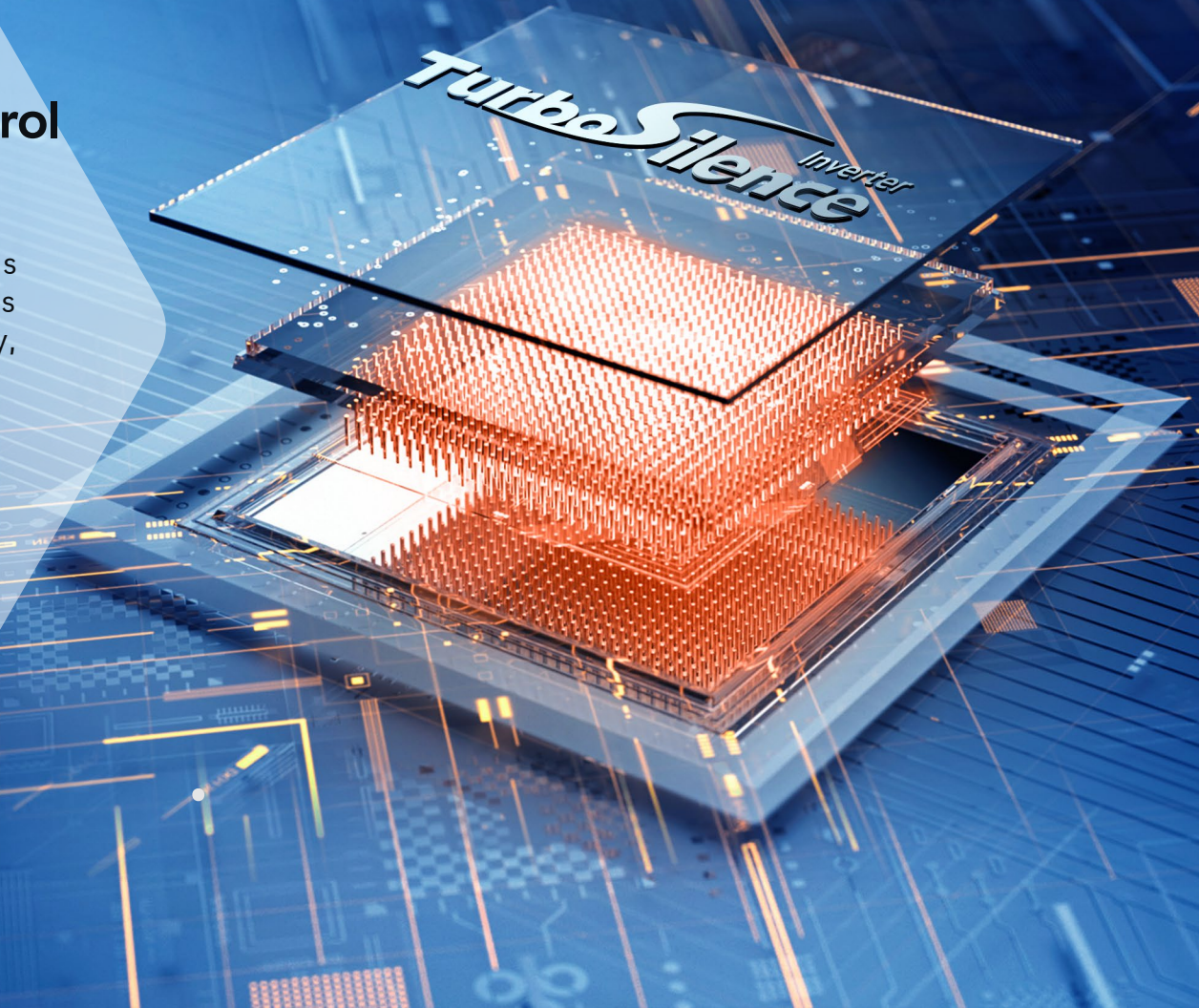
# TurboSilence<sup>Inverter</sup>

## Balance of Inverter-Compressor-Control & Heat Exchange

The TurboSilence Full-inverter is optimized based on Fairland' s original Full-inverter technology. It perfectly balances inverter-compressor control and heat exchange 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.





# UNIQUE HEXAGON DESIGN

## Inspired by nature

To create a unique ventilation design with more effectiveness, while maintaining minimum rearrangement of the current structure of the heat pump, our chief engineer has done a lot of research on geometric references. Inspired by the space-efficient structure of the honeycomb and combined with mass calculation, the ventilation design was innovatively changed into hexagon design.





# NEW SMART EXPERIENCE



## Turbo Mode

120% capacity to heat up the pool, which can reduce initial heating time by 25% .



## Smart Mode

Intelligently runs at 20~100% capacity according to the water temperature to save energy .



## Silence Mode

Intelligently runs at 20-60% capacity, maintain the pool temperature with quiet operation .



# NEW WAY TO ENJOY POOL



## Up to **16**x 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%).



## Up to **15** times Quieter

Sound Pressure Lower to 38 dB(A)

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





## No Compressor Noise

With Mitsubishi twin-rotatory compressor and special soundproofing design, INVERX will bring minimum noise to your backyard.



## Real-time Power Consumption Display

Empowered by the upgraded smart controller, every kW of consumed power is visible.



## Soft Start

INVERX will start from 0 amps and go up slowly and steadily within 2 minutes, with no burden on your house's electricity system.



# SPECIFICATIONS OF INVERX HORIZONTAL

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
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
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.