



NOT JUST NEW

**TURBOSILENCE FULL-INVERTER
TOP DISCHARGE**

4 SEASON GYM 4 SEASON FUN

Running Temperature Down to -15°C



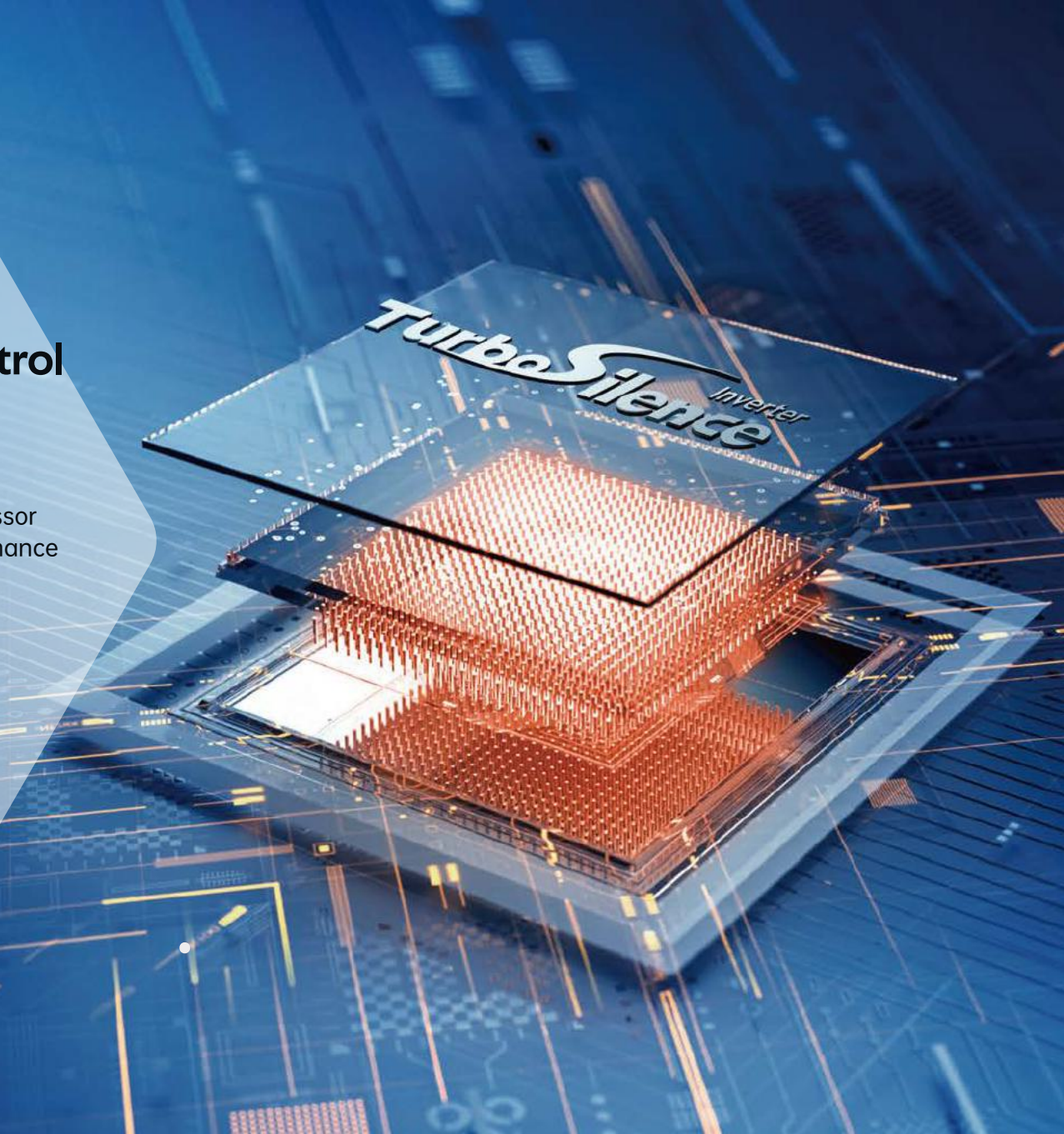
TurboSilence^{Inverter}

Balance of Inverter-Compressor-Control & Heat Exchange

The TurboSilence Full-inverter is optimized based on 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 **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%).



TiLAB



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



0.68kW
Real-time Power Consumption



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.

TurboSilence Full-inverter / Top Discharge

Model	AXCR11V	AXCR13V	AXCR17V	AXCR21V	AXCR26V	AXCR32V	AXCR32VT	AXCR40VT
Advised pool volume (L)	20,000~40,000	25,000~50,000	30,000~60,000	40,000~75,000	50,000~10,0000	65,000~12,0000	65,000~12,0000	90,000~16,0000
Operating air temperature (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
Heating capacity (kW) in Turbo mode	10.8	13.2	17.2	21.0	26.0	31.5	31.5	40.0
Heating capacity (kW) in Smart mode	8.8	11.0	14.0	17.5	22.0	27.0	27.0	35.0
COP in Smart mode	7.6	7.7	7.8	7.3	7.8	7.4	7.4	7.3
COP	14.9~6.6	15.0~6.8	15.6~6.5	15.5~6.3	14.9~6.8	16.0~6.3	16.0~6.3	15.7~6.4
COP at 50% capacity	11.2	11.5	11.7	11.6	11.3	11.2	11.2	11.1
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
Heating capacity (kW) in Turbo mode	7.5	8.8	11.6	14.3	17.5	21.5	21.5	28.5
Heating capacity (kW) in Smart mode	6.3	7.3	9.8	11.6	14.5	18.0	18.0	24.5
COP in Smart mode	5.0	5.0	4.9	4.9	5.0	5.3	5.3	5.1
COP	7.0~4.3	7.3~4.5	7.8~4.5	7.4~4.4	7.3~4.8	7.8~4.9	7.8~4.9	7.7~4.8
COP at 50% capacity	6.4	6.5	6.7	6.8	6.3	6.8	6.8	6.7
Performance Condition: Air 35°C, Water 28°C, Humidity 80%								
Cooling capacity (kW)	4.5	5.8	7.1	8.2	12.0	14.0	14.0	16.5
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)	710*753*668	710*753*668	710*775*668	710x775x668	710x775x743	729*955*917	729*955*917	845*955*917
Net weight (kg)	61	66	71	78	102	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.