

AQUA X 20

— Redefine The Industrial Standard

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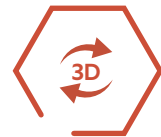
FAIRLAND[®]
2X Saving iGarden

TurboSilence^{Inverter}

Redefine The Industrial Standard



Self-Developed
Control System



3D Heat
Exchanging Tech



20X
Saving

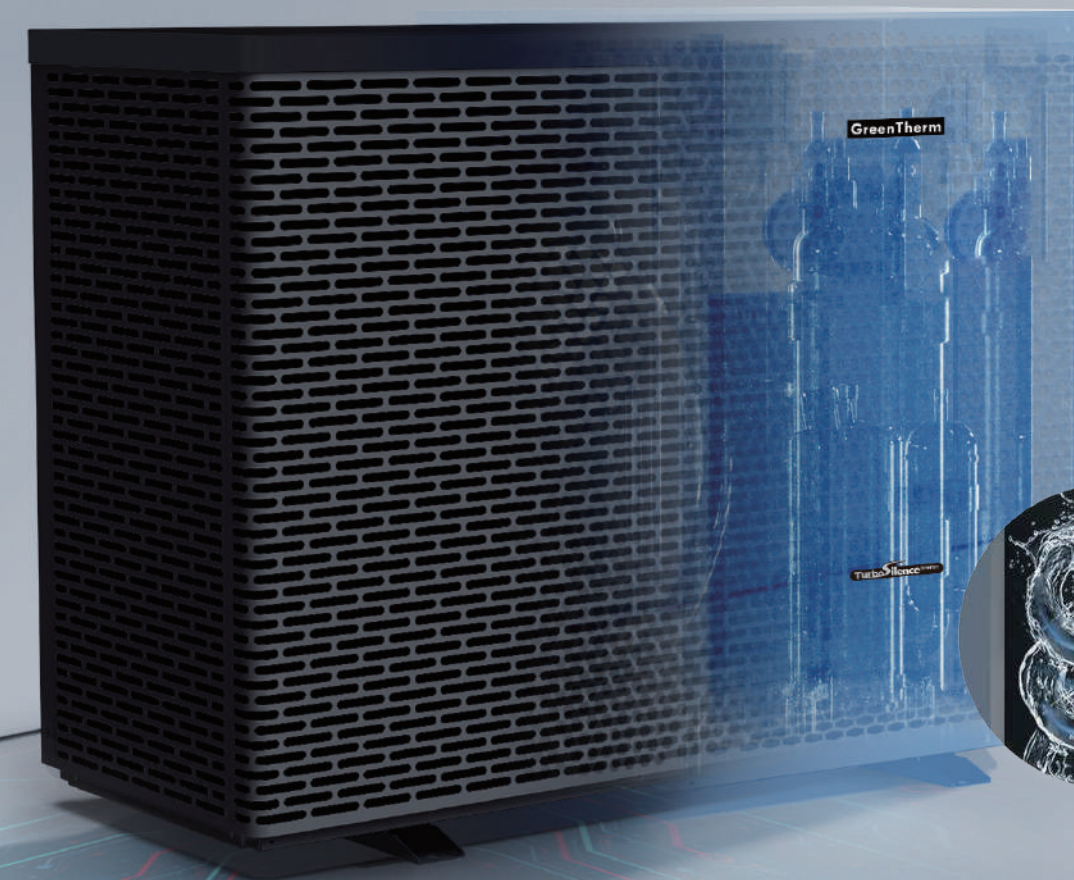


0 Compressor
Noise

TurboSilence Full-inverter is optimized on Fairland's original Full-inverter tech. Powered by Fairland's self-developed control system, it perfectly matches the inverter-compressor & extreme 3D heat-exchanging tech. The unique technology can intelligently optimize the gas flow rate to maximize COP performance.

3D Heat Exchanging Tech:

Fairland develop a new generation of 3D heat exchanging technology. It redefines titanium heat exchangers, increasing the 30% exchanging area and improving the 30% efficiency.



3D Titanium
Heat Exchanging Tech



REDEFINE ULTIMATE EXPERIENCE

20 X Energy Saving

TurboSilence tech adopts precise energy consumption solutions.

1kW Input = 20kW Output Max

1kW Input = 15kW Output Average



20 Times Quieter Compare with On/Off

Sound Pressure Lower to 36.6 dB(A)

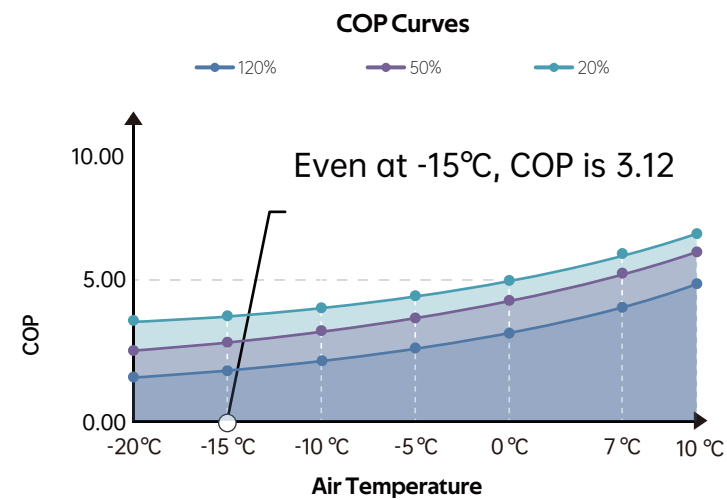
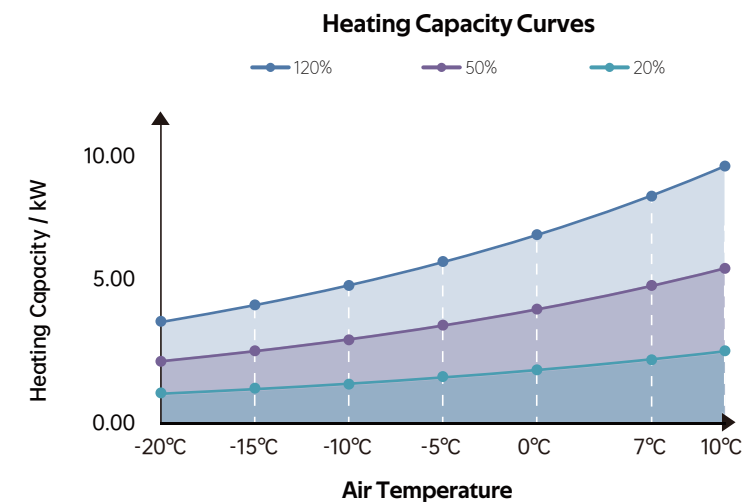
The compressor and the fan work at a very low speed when maintaining the temperature, reducing the noise level to around 36.6 dB(A) at 1m

Warm Your Pool at -20°C

Operating at Extreme Temperature -20°C



Excellent Low Temperature Performance



Example Model: AX20-60

SPECIFICATIONS OF AquaX20

| Model | AX20-35C | AX20-40C | AX20-50C | AX20-60C | AX20-65C | AX20-75C | AX20-90C | AX20-90CT | AX20-105C | AX20-105CT | AX20-120C | AX20-120CT |
|---|------------------------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Advised pool volume (m ³) | 18~35 | 25~40 | 30~50 | 35~60 | 40~65 | 45~75 | 55~90 | 55~90 | 65~105 | 65~105 | 75~120 | 75~120 |
| Operating air temperature (°C) | -20~43 | | | | | | | | | | | |
| Performance Condition: Air 26°C, Water 26°C, Humidity 80% | | | | | | | | | | | | |
| Heating capacity (kW) in Turbo mode | 9.0 | 11.0 | 13.5 | 16.0 | 18.0 | 21.5 | 26.0 | 26.0 | 31.5 | 31.5 | 40.0 | 40.0 |
| Heating capacity (kW) in Smart mode | 7.5 | 8.5 | 11.5 | 13.5 | 15.0 | 17.6 | 22.0 | 22.0 | 27.0 | 27.0 | 35.0 | 35.0 |
| COP | 22.0~7.2 | 22.3~7.5 | 22.1~7.7 | 22.2~7.3 | 22.0~7.1 | 23.0~7.3 | 22.7~7.4 | 22.0~7.3 | 22.0~7.2 | 22.1~7.3 | 22.0~7.3 | 22.0~7.3 |
| COP at 50% capacity | 14.3 | 14.7 | 14.9 | 14.8 | 14.6 | 15.0 | 15.0 | 15.0 | 14.8 | 14.8 | 14.7 | 14.7 |
| Performance Condition: Air 15°C, Water 26°C, Humidity 70% | | | | | | | | | | | | |
| Heating capacity (kW) in Turbo mode | 6.0 | 7.3 | 9.0 | 10.5 | 12.0 | 14.5 | 18.0 | 18.0 | 22.0 | 22.0 | 28.5 | 28.5 |
| Heating capacity (kW) in Smart mode | 5.0 | 6.1 | 7.3 | 8.8 | 10.0 | 12.0 | 14.8 | 14.8 | 18.0 | 18.0 | 24.0 | 24.0 |
| COP | 7.8~5.0 | 8.5~5.5 | 7.9~5.2 | 8.8~5.2 | 8.0~5.0 | 8.8~5.2 | 9.3~5.3 | 9.1~5.3 | 8.1~5.3 | 8.1~5.3 | 8.0~4.9 | 8.0~4.9 |
| COP at 50% capacity | 7.0 | 7.3 | 7.2 | 7.5 | 7.2 | 7.4 | 7.8 | 7.8 | 7.4 | 7.4 | 7.4 | 7.4 |
| Performance Condition: Air 7°C, Water 26°C, Humidity 90% | | | | | | | | | | | | |
| Heating capacity (kW) in Turbo mode | 4.9 | 6.5 | 7.2 | 9.0 | 10.3 | 11.6 | 15.2 | 15.2 | 17.5 | 17.5 | 22.3 | 22.3 |
| COP | 6.9~4.4 | 7.0~4.8 | 6.9~4.5 | 7.0~4.5 | 6.9~4.3 | 7.2~4.4 | 7.1~4.6 | 7.0~4.4 | 7.1~4.6 | 7.0~4.4 | 7.0~4.3 | 7.0~4.3 |
| Performance Condition: Air 35°C, Water 28°C, Humidity 80% | | | | | | | | | | | | |
| Cooling capacity (kW) (Optional) | 4.3 | 5.0 | 6.3 | 9.0 | 10.0 | 11.3 | 13.0 | 13.0 | 15.0 | 15.0 | 19.5 | 19.5 |
| Sound pressure at 1m dB(A) | 36.6~43.4 | 37.7~44.8 | 37.8~45.9 | 41.0~46.7 | 41.5~47.3 | 41.9~49.5 | 39.7~49.8 | 39.7~49.8 | 42.1~50.3 | 42.1~50.3 | 41.5~50.5 | 41.5~50.5 |
| Sound pressure of 50% capacity at 1m dB(A) | 37.6 | 38.8 | 40.3 | 42.7 | 42.5 | 43.3 | 43.1 | 43.1 | 45.2 | 45.2 | 42.5 | 42.5 |
| Sound pressure at 10m dB(A) | 16.6~23.4 | 17.7~24.8 | 17.8~25.9 | 21.0~26.7 | 21.5~27.3 | 21.9~29.5 | 19.7~29.8 | 19.7~29.8 | 22.1~30.3 | 22.1~30.3 | 21.5~30.5 | 21.5~30.5 |
| Compressor | Twin-rotary Mitsubishi DC-inverter | | | | | | | | | | | |
| Heat exchanger | Lightning heat exchanger | | | | | | | | | | | |
| Casing | Aluminum-alloy Casing | | | | | | | | | | | |
| Power supply | 230V~/1 Ph/50Hz | | | | | | | | | | | |
| Rated input power at air 15°C (kW) | 0.14~1.25 | 0.15~1.38 | 0.19~1.7 | 0.20~2.08 | 0.25~2.45 | 0.27~2.74 | 0.27~2.74 | 0.32~3.31 | 0.46~4.1 | 0.46~4.1 | 0.60~5.7 | 0.60~5.7 |
| Rated input current at air 15°C (A) | 0.61~5.43 | 0.65~6.00 | 0.83~7.39 | 0.87~9.04 | 1.09~10.65 | 1.17~11.9 | 1.17~11.9 | 0.46~4.78 | 2.01~17.8 | 0.66~5.91 | 2.6~24.8 | 0.87~8.22 |
| Advised water flux (m ³ /h) | 2~4 | 2~4 | 3~4 | 4~6 | 4~6 | 6.5~8.5 | 6.5~8.5 | 8~10 | 10~12 | 10~12 | 12~18 | 12~18 |
| Water pipe in-out size (mm) | 50 | | | | | | | | | | | |
| Net Dimension LxWxH (mm) | 910×432×660 | 910×432×660 | 945×432×660 | 1045×432×660 | 1045×432×660 | 1195×432×760 | 1195×432×760 | 1072×536×956 | 1264×536×956 | 1264×536×956 | 1364×536×956 | 1364×536×956 |
| Net weight (kg) | 63 | 63 | 65 | 72 | 73 | 82 | 82 | 111 | 122 | 132 | 133 | 147 |
| Qty per 20'FT / 40'HQ (sets) | 78/168 | 78/168 | 78/165 | 72/150 | 72/150 | 40/135 | 40/135 | 34/72 | 32/66 | 32/66 | 26/64 | 26/64 |

* 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.

