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TurboSilence Inverter

Redefine The Industrial Standard

Self-Developed Control System

3D Heat Exchanging Tech

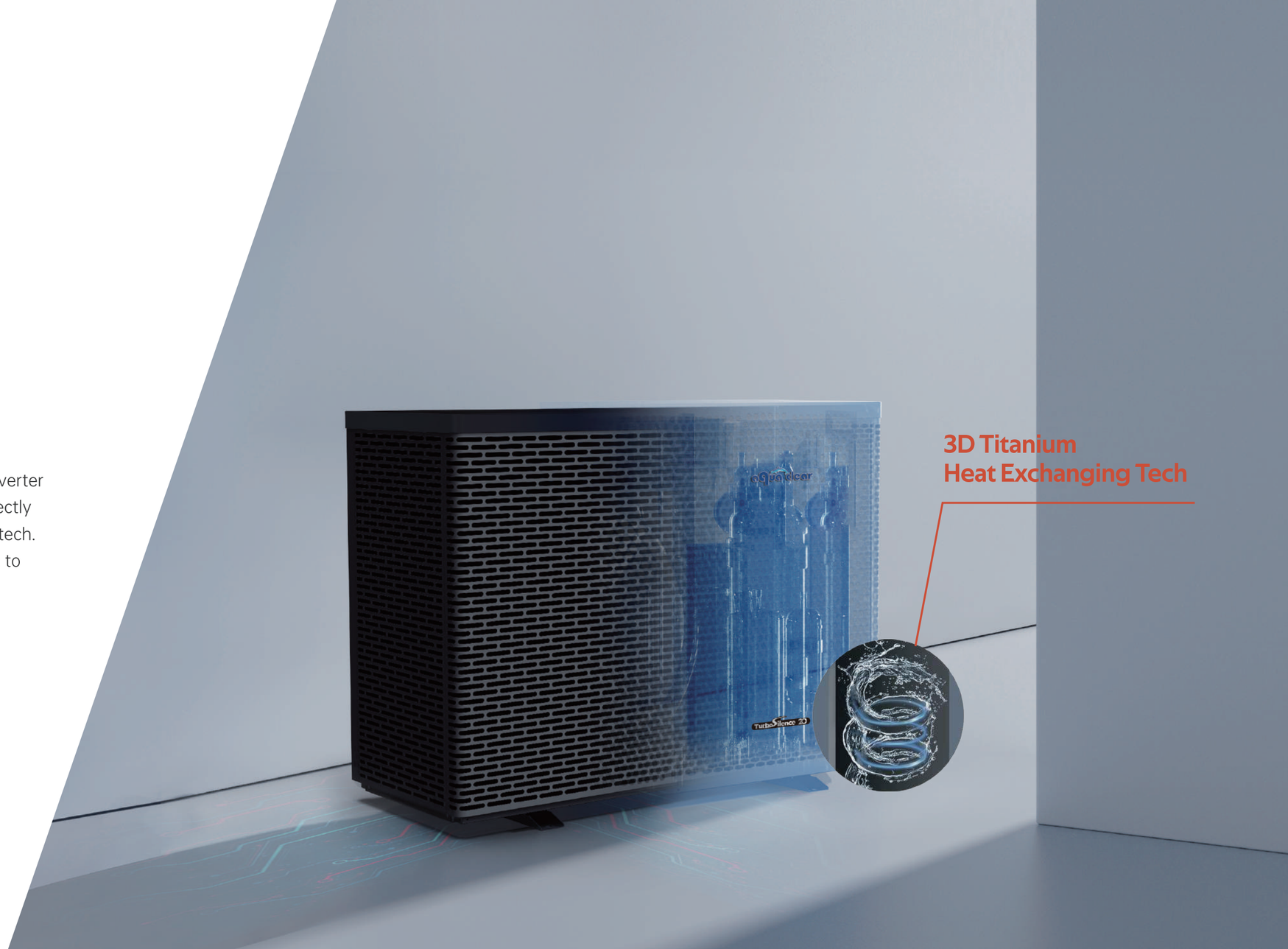
20X Saving

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.



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)

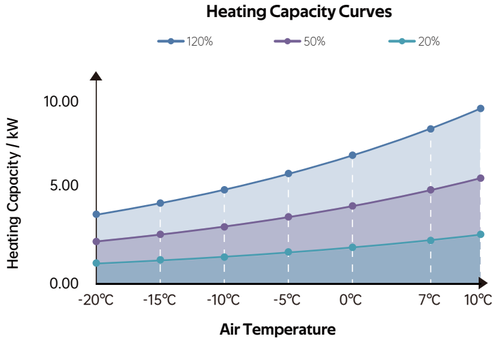
The compressor and the fan work at a very low speed when maintaining the temperature, reducing the noise level to around 36.6 dB(A) at 1m

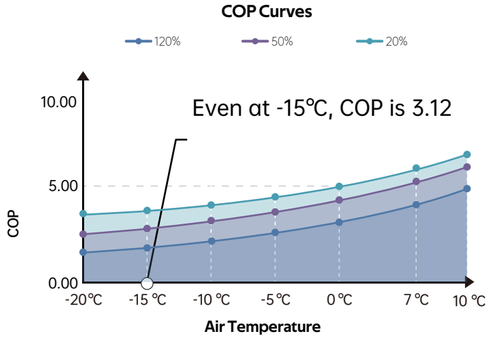
Warm Your Pool at -20℃

Operating at Extreme Temperature -20℃

-20℃ 43℃

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	AX20-120CT
Advised pool volume (m3)	18~35	25~40	30~50	35~60	40~65	45~75	55~90	55~90	65~105	65~105	75~120
Operating air temperature (℃)						-20~43					
Performance Condition: Air 26℃, Water 26℃, 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
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
COP	19.2~7.0	20~7.3	19.6~7.5	20.1~7.1	19.2~7.1	20.5~7.2	20.3~7.2	20.1~7.2	19.6~7.4	19.6~7.4	19.8~7.2
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
COP at 20% capacity	19.2	20.0	19.6	20.1	19.2	20.5	20.3	20.1	19.6	19.6	19.8
Performance Condition: Air 15℃, Water 26℃, 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
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
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
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
COP at 20% capacity	7.8	8.5	7.9	8.8	8.0	8.8	9.3	9.1	8.1	8.1	8.0
Performance Condition: Air 7℃, Water 26℃, 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
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
Performance Condition: Air 35℃,Water 28℃, Humidity 80%											
Cooling capacity (kW)	4.3	5.0	6.3	9.0	10.0	11.3	13.0	13.0	15.0	15.0	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
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
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
Heat exchanger	"3D Spiral" titanium heat exchanger										
Casing	Aluminum-alloy Casing										
Power supply	230V/1 Ph/50Hz							400V/3 Ph/50Hz	230V/1 Ph/50Hz	400V/3 Ph/50Hz	
Rated input power at air 15℃ (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	0.32~3.31	0.32~3.31	0.46~4.1	0.46~4.1	0.60~5.7
Rated input current at air 15℃ (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	1.39~14.4	0.46~4.78	2.01~17.8	0.66~5.91	0.87~8.22
Advised water flux (m^3/h)	2~4	2~4	3~4	4~6	4~6	6.5~8.5	8~10	8~10	10~12	10~12	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	1072×541×956	1072×541×956	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	/	63	65	72	/	82	100	/	/	/	/
Qty per 20'FT / 40'HQ (sets)	78/168	78/168	78/165	72/150	72/150	40/135	34/72	34/72	28/64	28/64	18/42

* 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 .