

**X20**  
Beyond Limit



**FAIRLAND®**

# TurboSilence<sup>®</sup> 20

Redefine The Industry Standard



AI Control System  
30% More Intelligent



Self-Developed  
Control System



Lightning Heat  
Exchanging Tech



20X  
Saving



0 Compressor  
Noise

是非成败转头空，青

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 lightning heat exchanging tech. The unique technology can intelligently optimize the gas flow rate to maximize COP performance.





**COP20**

30% higher than standard



**LIGHTNING  
HEAT EXCHANGER**

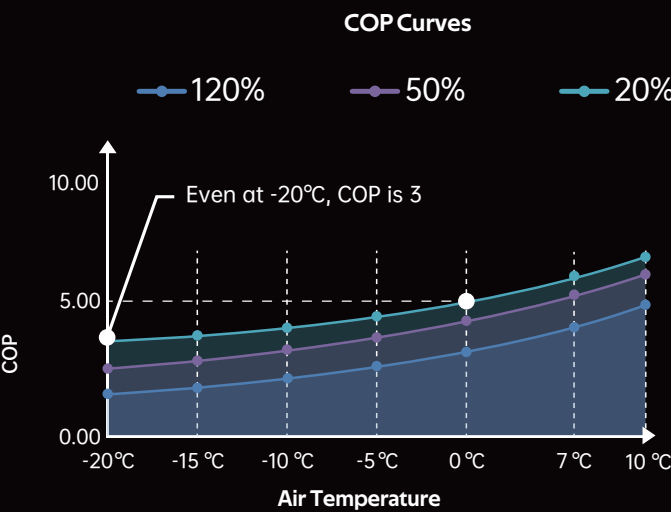
30% more efficient

Warm Your Pool at -20°C

Operating at Extreme Temperature -20°C



Excellent Low Temperature Performance



Example Model: X20-16

SPECIFICATIONS OF X20

Model	X20-09	X20-11	X20-14	X20-16	X20-18	X20-22	X20-26	X20-26T	X20-32	X20-32T	X20-40T
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 (°C)	-20~43										
Performance Condition: Air 26°C, Water 26°C, Humidity 80%											
Heating capacity (kW) in Turbo mode	9.5	11.5	14.0	16.5	18.5	22.0	26.5	26.5	32.0	32.0	40.0
Heating capacity (kW) in Smart mode	8.0	9.0	12.0	14.0	15.4	18.0	22.5	22.5	27.5	27.5	35.0
COP	19.5~7.3	20.2~7.6	20.0~7.8	20.5~7.4	19.6~7.2	21~7.4	20.7~7.5	19.3~7.4	20.0~7.3	19.8~7.3	19.5~7.3
COP at 50% capacity	14.6	15.0	15.2	15.1	14.8	15.3	15.2	15.2	15.1	15.1	15.0
COP at 20% capacity	19.5	20.2	20.0	20.5	19.6	21.0	20.7	19.3	20.0	19.8	19.5
Performance Condition: Air 15°C, Water 26°C, Humidity 70%											
Heating capacity (kW) in Turbo mode	6.5	7.7	9.2	11.0	12.5	14.8	18.2	18.2	22.3	22.3	28.5
Heating capacity (kW) in Smart mode	5.4	6.4	7.5	9.2	10.4	12.5	15.0	15.0	18.5	18.5	24.0
COP	8.0~5.2	8.7~5.6	8.1~5.4	9.0~5.3	8.2~5.1	9.0~5.4	9.5~5.5	9.3~5.5	8.3~5.4	8.3~5.4	8.2~5.0
COP at 50% capacity	7.2	7.5	7.3	7.7	7.3	7.6	8.0	8.0	7.6	7.6	7.5
COP at 20% capacity	8.0	8.7	8.1	9.0	8.2	9.0	9.5	9.3	8.3	8.3	8.2
Performance Condition: Air 7°C, Water 26°C, Humidity 90%											
Heating capacity (kW) in Turbo mode	5.0	6.6	7.4	9.2	10.5	11.8	15.5	15.5	17.8	17.8	22.8
COP	7.1~4.5	7.2~4.9	7.1~4.6	7.2~4.6	7.0~4.4	7.4~4.5	7.3~4.7	7.2~4.5	7.3~4.7	7.0~4.5	7.0~4.3
Cooling capacity (kW)	4.5	5.0	6.5	9.0	10.3	11.5	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	Lightning 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°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	0.32~3.31	0.32~3.31	0.46~4.1	0.46~4.1	0.60~5.7
Rated input current at air 15°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	1.39~14.4	0.46~4.78	2.01~17.8	0.66~5.91	0.87~8.22
Advised water flux (m³/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	1072×536×956	1072×536×956	1264×536×956	1264×536×956	1364×536×956
Net weight (kg)	63	63	65	72	73	82	100	111	122	132	147
Qty per 20'FT / 40'HQ (sets)	78/168	78/168	78/165	72/150	72/150	40/135	34/72	34/72	32/66		

\* 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 .

