

16x Savings

Fairland Inverter Pool Heat Pump for North America

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TurboSilence Full-inverter Technology

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 at the same time.

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.

TurboSilence Full-inverter

The original TurboSilence Full-inverter pool HP

SWIMPAC-X

Up to **16x** Energy Saving Average **15** Times Quieter



TurboSilence Full-inverter Heat Pump With 2 Modes

Turbo Mode

Intelligently runs at 20~120% capacity according to the pool temperature and heating demand. When selecting the appropriate model to maintain the desired temperature, the inverter heat pump will run at an average of 30% capacity on over 95% of the swimming days, with no worries about the electricity bill.

Silence Mode

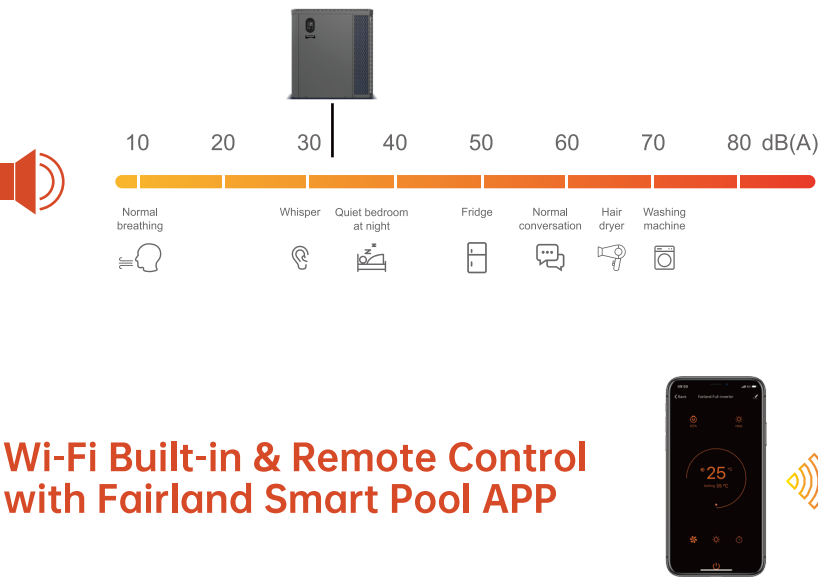
Intelligently runs at 20~80% capacity, ensuring quiet operation, a peaceful swimming experience and a friendly neighbourhood.

16x Energy Saving

COP16 : 1kW Input = 16kW Output

Average 15 Times Quieter

Sound Pressure Lower to 33 dB(A) at 10'FT



Wi-Fi Built-in & Remote Control with Fairland Smart Pool APP

4 Season Running

Operation Temperature down to 5°F

Extend swimming seasons to all year round.



Specification of Swimpac-X **R410A**

Model	TS90V	TS110V	TS140V
Applied pool volume (gallons)	≤ 27000	≤ 32000	≤ 42000
Operating air temperature (°F)	5~109		
Performance Condition: Air 80°F/ Water 80°F/ Humidity 80%			
Heating capacity (Btu) in Turbo mode	90,000	110,000	140,000
Heating capacity (Btu) in Silence mode	72,000	88,000	112,000
COP	15.5~6.4	16.3~6.3	16.6~6.1
COP at 50% capacity	11.9	11.0	11.2
Performance Condition: Air 80°F/ Water 80°F/ Humidity 63%			
Heating capacity (Btu) in Turbo mode	86,000	104,500	132,000
Heating capacity (Btu) in Silence mode	68,800	83,600	105,600
COP	14.3~6.1	14.8~6.0	15.1~5.8
COP at 50% capacity	10.9	10.1	10.3
Performance Condition: Air 50°F/ Water 80°F/ Humidity 63%			
Heating capacity (Btu)	52,400	58,600	73,500
COP	7~5.1	6.1~4.8	7.2~5.2
COP at 50% capacity	6.2	6.0	6.1
Rated input power (kW)	0.51~4.38	0.62~5.26	0.78~6.79
Rated input current (A)	2.21~19.1	2.69~22.9	3.45~29.5
Power supply	208~230V/1 Ph/60Hz		
Advised water flux (L/min)	125~158	133~167	133~254
Sound pressure 10'FT dB(A)	33.0~44.3	34.6~46.2	38.0~48.9
Heat exchanger	Titanium in PVC		
Casing	Aluminium-alloy Casing		
Air discharge	Vertical		
Water pipe in-out Spec (Inch)	2.0"		
Net Dimension LxWxH (inch)	36.8"x27.4"x38.9"	37.4"x27.6"x38.9"	40.7"x31.8"x41.9"
Net Weight (lbs.)	278	298	348

* 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 .



Full-inverter

The Original Full-inverter Pool HP

SWIMPAC

Up to **13x** Energy Saving Average **10** Times Quieter



13x Energy Saving

COP13: 1kW Input = 13kW Output

Average 10 Times Quieter



Wi-Fi Built-in & Remote Control with Fairland Smart Pool APP



4 Season Running

Water Outlet Up to 104°F



Specification of Swimpac R410A

Model	BP500	BP650	BP900	BP110V	BP140V
Applied pool volume (gallons)	≤14000	≤18000	≤28000	≤32000	≤42000
Operating air temperature (°F)	32~109				
Performance Condition: Air 80°F/ Water 80°F/ Humidity 80%					
Heating capacity (Btu)	50,000	65,000	90,000	110,000	140,000
Heating capacity (Btu) in silence mode	40,000	52,000	72,000	88,000	112,000
COP	13.0~6.4	13.2~6.0	13.6~6.0	13.5~5.8	13.1~5.8
COP at 50% capacity	10.1	9.8	11.3	9.8	10.4
Performance Condition: Air 80°F/ Water 80°F/ Humidity 63%					
Heating capacity (Btu)	47,500	61,500	85,000	104,000	132,000
Heating capacity (Btu) in silence mode	37,200	49,200	68,000	83,500	105,500
COP	12.0~6.0	12.0~5.7	12.3~5.7	12.2~5.6	11.0~5.7
COP at 50% capacity	9.3	8.9	10.2	9.2	9.5
Performance Condition: Air 50°F/ Water 80°F/ Humidity 63%					
Heating capacity (Btu)	23,200	27,000	43,000	54,000	68,000
COP	5.2~4.3	5.8~4.6	5.5~4.3	5.2~4.2	5.2~4.1
COP at 50% capacity	4.6	5.0	4.6	4.8	5.1
Rated input power (kW)	0.46~2.28	0.53~3.17	0.54~4.39	0.61~5.9	0.85~6.85
Rated input current (A)	2.00~9.91	2.30~13.8	2.34~19.1	2.65~25.6	3.69~29.8
Power supply	208~230V/1 Ph/60Hz				
Advised water flux (L/min)	83~116	108~142	125~158	133~167	133~254
Sound pressure 10'FT dB(A)	32.9~43.5	33.8~45.4	34.9~46.8	35.0~48.1	39.6~51.2
Heat exchanger	Titanium in PVC				
Casing	Metal or Insertion casing				
Air discharge	Horizontal		Vertical		
Water pipe in-out Spec (inch)	1.5"		2"		
Net Dimension LxWxH (inch)	37.8×13.4×25.9	37.8×16.5×25.9	43×16.5×37.7	37.2×35.6×38.5	40.7"x32.3"x41.5"
Net Weight (kg/ lbs.)	52/114	62/137	85/187	125/276	143/315
Qty per 20'FT / 40'HQ (sets)	90/198	78/165	48/104	30/68	12/52

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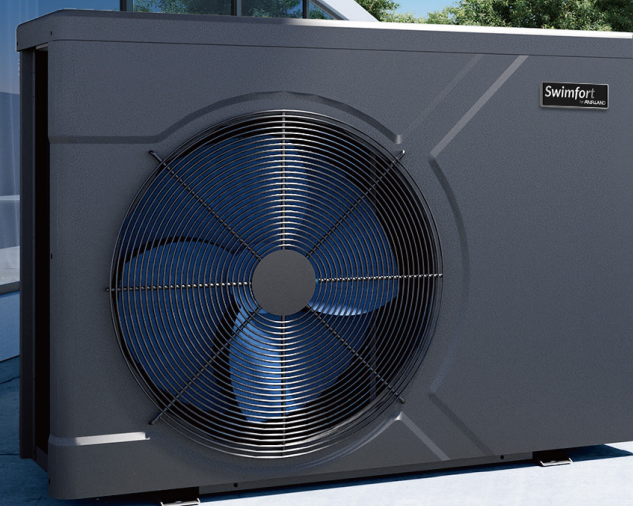


DC-inverter

The Most Economical DC-inverter Pool HP

SWIMFORT

Up to **9x** Energy Saving Average **7** Times Quieter



9x Energy Saving

Average COP9: 1kW Input = 9kW Output

7 Times Quieter



General heat exchanger



Spiral titanium heat exchanger
Enlarge 30% heat exchanging surface

Enable COP 20% higher than
On/Off HP in the market



HP-BOOSTER
technology

Fast defrosting



Saginomiya
4-way valve





Specification of Swimfort R410A

Model	FI300	FI400	FI500	FI650
Applied pool volume (gallons)	≤8000	≤11000	≤14000	≤18000
Operating air temperature (°F)	32~109			
Performance Condition: Air 80°F/ Water 80°F/ Humidity 80%				
Heating capacity (Btu)	30,000	40,000	50,000	65,000
Heating capacity (Btu) in silence mode	24,000	32,000	40,000	52,000
COP	10.0~5.8	10.3~6.0	10.6~5.98	11.2~5.61
COP at 50% capacity	8.8	9.0	9.1	9.1
Performance Condition: Air 80°F/ Water 80°F/ Humidity 63%				
Heating capacity (Btu)	28,500	38,255	47,500	61,500
Heating capacity (Btu) in silence mode	22,800	31,000	37,200	49,200
COP	9.0~5.4	9.1~5.86	9.7~5.5	9.9~5.35
COP at 50% capacity	8.0	8.2	8.3	8.3
Performance Condition: Air 50°F/ Water 80°F/ Humidity 63%				
Heating capacity (Btu)	19,000	19,600	23,000	27,000
COP	4.4~4.0	4.5~4.0	5.1~4.15	5.2~4.3
COP at 50% capacity	4.1	4.1	4.3	4.5
Rated input power (kW) at air 80°F	0.29~1.54	0.39~1.95	0.46~2.53	0.53~3.39
Rated input current (A) at air 80°F	1.26~6.69	1.69~8.47	2.00~11.0	2.30~14.8
Power supply	208~230V/1 Ph/60Hz			
Advised water flux (L/min)	58-92	67~100	83~116	108~142
Sound pressure at10ft dB(A)	33.4~45.2	33.6~45.5	34.9~46.0	38.2~47.3
Heat exchanger	Titanium in PVC			
Casing	ABS casing			
Air discharge	Horizontal			
Water pipe in-out Spec (inch)	1.5"			
Net Dimension LxWxH (inch)	37.8×13.4×25.9	37.8×13.4×25.9	37.8×13.4×25.9	37.8x16.5x25.9
Net Weight (kg/ lbs.)	47/103	48/106	52/114	62/137

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