

Specifications



Inver X Heat Pump (R32)

MODEL	IXR26	IXR36	IXR46	IXR56	IXR66	IXR80	IXR80T	IXR110T
Advised pool volume (m ³)	20-40	25-50	30-60	40-75	55-100	65-120	65-120	90-160
Operating air temperature (°C)	-15-43							
Performance Condition: Air 26°C / Water 26°C / Humidity 80%								
Heating capacity (kW) in Smart Mode	8.8	11.0	14.0	18.0	22.0	27.5	27.5	35.0
Heating capacity (kW) in Turbo Mode	10.5	13.0	17.0	21.5	26.0	32.0	32.0	40.0
COP	15.6-7.3	15.5-7.5	16.0-6.6	15.5-6.5	16.5-7.0	16.3-6.5	16.3-6.5	16.3-6.6
COP at 50%	11.8	12.0	11.5	11.5	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C / Water 26°C / Humidity 70%								
Heating capacity (kW) in Smart Mode	6.3	7.5	9.5	12.0	15.0	18.5	18.5	24.5
Heating capacity (kW) in Turbo Mode	7.5	9.0	11.5	14.5	18.0	22.0	22.0	28.5
COP	7.1-4.9	7.0-5.0	7.5-4.5	8.0-4.7	8.0-5.1	8.0-5.0	8.0-5.0	8.1-4.8
COP at 50%	6.7	6.7	6.8	7.0	7.0	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.5-45.5	38.6-46.9	42.0-47.7	42.9-50.8	40.8-51.2	43.3-51.9	43.3-51.9	42.5-51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5-25.5	18.6-26.9	22.0-27.7	22.9-30.8	20.8-31.2	23.3-31.9	23.3-31.9	22.5-31.7
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)	0.18-1.53	0.22-1.8	0.26-2.56	0.31-3.08	0.38-3.53	0.46-4.4	0.46-4.4	0.60-5.94
Rated input current at air 15°C (A)	0.78-6.2	0.96-7.82	1.14-11.3	1.35-13.4	1.65-15.3	2.01-19.1	0.66-6.35	0.87-8.57
Advised water flux (m ³ /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)	893x432x650	893x432x650	939x432x650	995x432x750	1125x429x952	1074x539x947	1074x539x947	1260x539x947
Net weight (kg)	59	61	63	70	90	99	99	120
Qty per 20'FT / 40'HQ (sets)	78/180	78/180	78/168	50/162	42/92	36/80	36/80	34/72

TÜV Rheinland Certified COP, Heating Capacity & Sound Pressure.

* 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.



EcoSprings products are manufactured to the highest possible standard using the most current technologies, so you can enjoy the benefits year after year.



Warranty

- ✓ 12 years heat exchanger,
- 10 years on compressor,
- 3 years on other components



Inverx - Turbo Silence

First Full-inverter with 3 modes
(Booster/Smart/Silence)



INSTANTLY INCREASE HEATING CAPACITY BY 20%, BUT WITH SILENT RUNNING.



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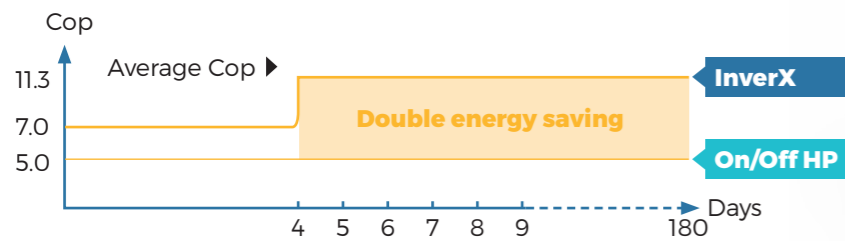
Features



Energy-saving

COP means coefficient of Performance, it is a ratio of heat output to power input. Average COP 11.3 at 50% capacity, COP up to 16 (Air 26°C/Water 26°C/Humidity 80%). This means half the running cost.

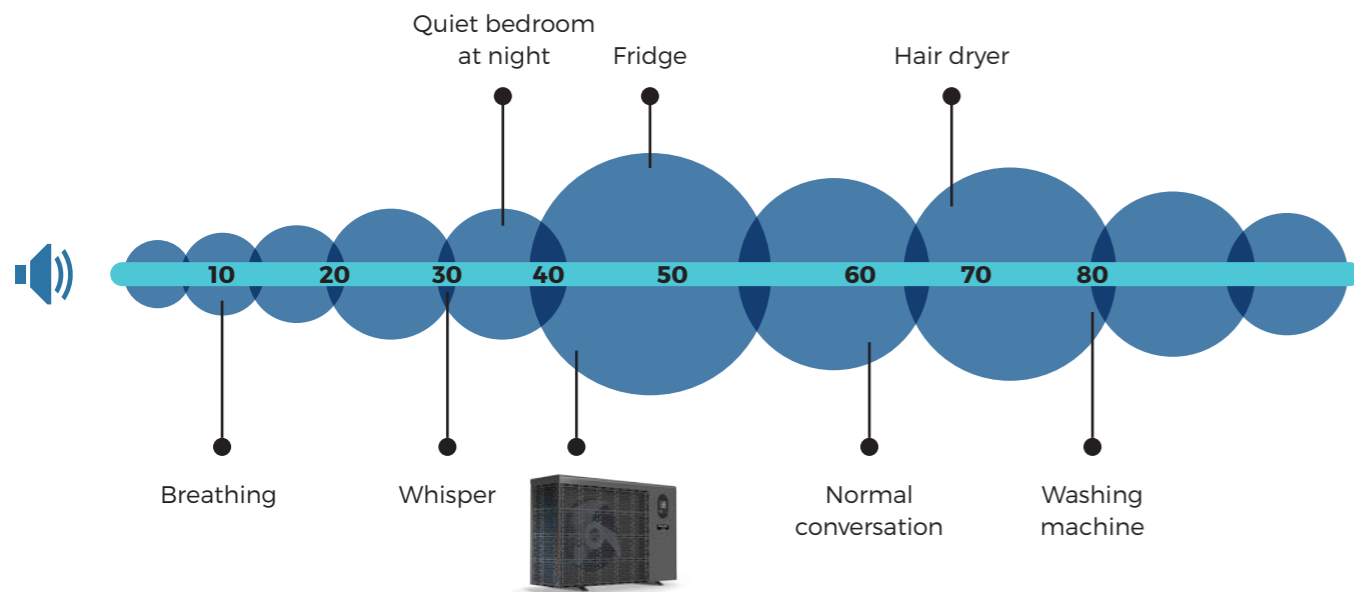
InverX VS On/off HP (in 180 days pool season)



Averagely more than 10 Times Quieter

All INVERX models are built with a twin-rotary compressor to minimize vibration.

Running by 50% capacity on average to maintain pool temperature for the whole swimming season, which means 10 times quieter swimming environment.



TurboSilence^{tech}

Revolutionary Inverter Technology



Fairland Inverter R & D centre took 5 years to develop InverX with the unique Turbo-Silence technology. The whole Turbo-Silence control system is optimized on the basis of Full-inverter tech. It perfectly balances the Inverter-compressor-control & Heat exchanging technology, which creates the Turbo performance and Silence operation in the meantime.

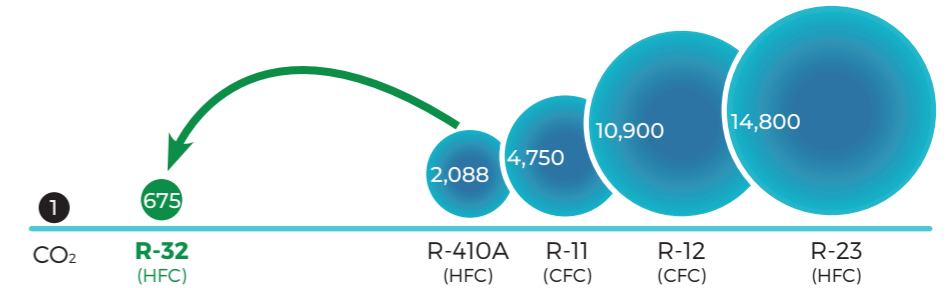
Other Advantages

- ✓ 10 times quieter than Standard Inverter HPs
- ✓ Unique HP without compressor noise, clears up all high frequency sound
- ✓ COP 50~70% higher than Standard Inverter HPs by 100% speed
- ✓ Extra 20% capacity for quicker heating, still higher COP than others
- ✓ Average 50% capacity to maintain pool temperature
- ✓ Integrated Control System - Lower failure and easier after service
- ✓ Upgraded intelligent & classic touch screen
- ✓ 4 season function

More Eco friendly

Comparing to the refrigerants widely used today such as R-410A, R-32 has a global warming potential (GWP) that is 2/3 lower and is recognised for its low environmental impact.

100 Year Global Warming Potential of Different Refrigerants*



Think Bigger

When choosing an InverX, we suggest to choose a bigger model based on its max heating capacity in silence mode, it will bring you more benefits:

- ✓ 20% more energy saving
- ✓ Enjoy more silence
- ✓ Quicker heating

MODEL	IXR26	IXR36	IXR46	IXR56	IXR66	IXR80	IXR80T	IXR110T
Max heating capacity (kW) in smart mode Air 26°C/ Water 26°C/ Humidity 80%	8.8	11.0	14.0	18.0	22.0	27.5	27.5	35.0
Advised pool volume (m ³) *	20-40	25-50	30-60	40-75	55-100	65-120	65-120	90-160

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day; heating season from 15th November to the 15th March. If these conditions are not met, please kindly ask for the professional advice.