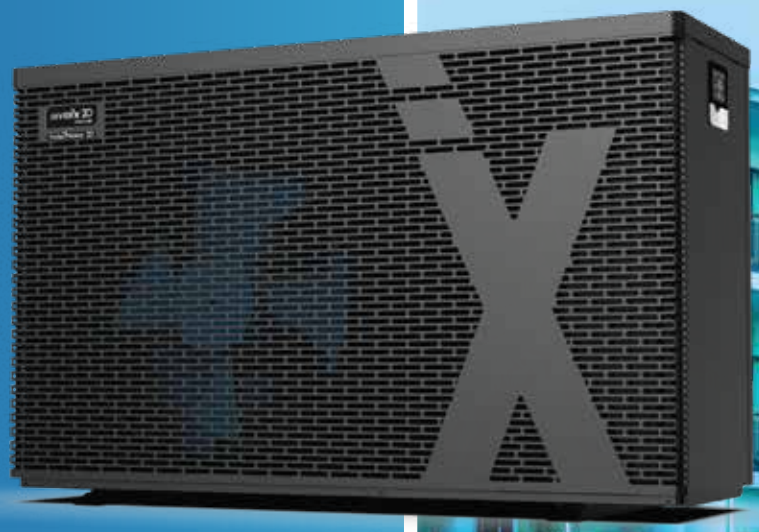
AQUA InverterAir X30

CONTINUOUS INVERTER TECHNOLOGY

Manufactured with continuous inverter Technology to maximise your energy efficiency and minimise your heating costs The Aqua Inverter X30 Heat pump is able to infinitely change the speed of the fan and compressor between minimum and maximum outputs for optimalperformance efficiency. The X30 heat pump will operate at 120% output when the water is cold, as the desired swimming temperature is reached the continuous inverter technology will slow the fan and compressor to maximise efficiency and energy savings The Aqua Inverter X30 series of heat pumps will save up to 80% in energy costs will operating near silently. The X30 Series is the market leader in efficiency delivering an unmatched Coefficient of Performance of up to 30:1, for every 1kW of energy input, it delivers up to 30kW output.





WHY CHOOSE AN AQUA INVERTER x30?

INVERTER TECHNOLOG

When it comes to energy-efficient heating and cooling, inverter technology is a game-changer. Traditional heat pumps operate in an on/off cycle—either running at full power or shutting off completely. This stop-start pattern uses more energy and puts greater strain on the system. Inverter technology changes that by allowing the compressor to adjust its speed dynamically, based on the heating or cooling demand at any given moment.

TWIN-ROTARY DC INVERTER COMPRESSOR

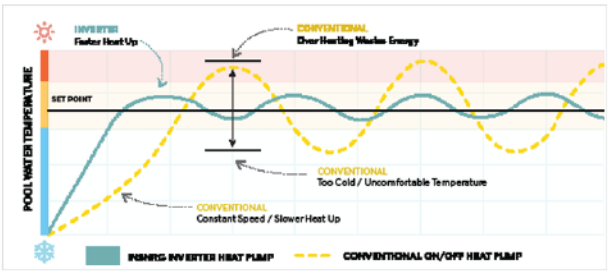
Twin rotary compressors balance each others' vibration to create a smooth, vibrationfree compressor reducing noise. DC power supply maintains torque at the lowest speed to allow increased efficiency.

POWERED BY R290 NATURAL REFRIDGERANT

The AXR30 uses R290 refrigerant — a natural, environmentally friendly gas with an ultra-low Global Warming Potential (GWP). Compared to traditional refrigerants, R290 delivers higher energy efficiency and better heat transfer, helping your pool heat faster while using less power. The result is lower running costs, reduced environmental impact, and reliable high-performance heating — all with a future-proof refrigerant that meets the latest environmental standards.

HIGH EFFICIENCY CoP up to 30:1

What sets the Aqua Inverter X20 apart is its remarkable Coefficient of Performance (COP) of up to 30:1. That means for every 1 unit of electricity consumed, it can deliver up to 30 units of heating power. This level of efficiency translates to significantly lower energy bills and a much smaller environmental footprint compared to standard heat pumps.



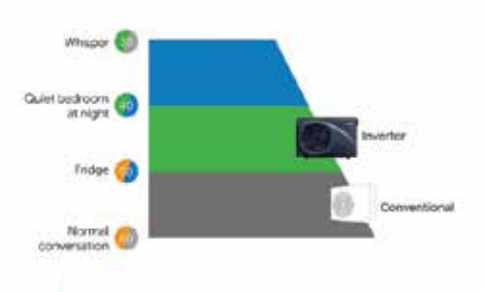
MORE FEATURES & BENEFITS

WHISPER QUIET

The X30s advanced inverter technology and optimised fan and case design make it one of the quietest heat pumps available, with an operating noise similar to that of a fridge.

Built In Wifi

Easily adjust the heaters running times and temperatures direct from your phone. The intelligent APP also shows the heaters current operating modes and energy consumption next generation heat exchanger. The X30 heat exchanger features and advanced design that increases its surface area by 30%.



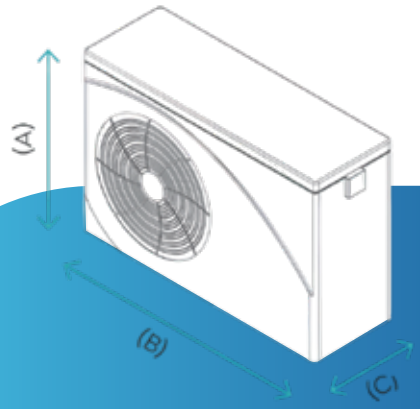
Aluminium alloy Casing

Built to withstand the harsh New Zealand outdoor environment, the Aqua Inverter x30s case has been optimised for airflow and efficiency.



Operating Temperature to minus 20C

The X30s advanced continuous inverter technology will continue to heat in ambient temperatures as low as minus 20 degrees, making it perfect for year round pool heating.



RELAX, YOU'RE COVERED (WARRANTY & DEALER SUPPORT)

Your X30 is covered by a market leading warranty that includes 12 Years on the heat exchanger and compressor, 5 years on all other components.

Model	AXR30-10	AXR20-13	AXR20-17	AXR20-21	AXR20-26	AXR20-32	AXR20-32T	AXR20-40T
Advised pool volume (m^3)	18~35	30~50	35~60	45~75	55~100	65~110	65~120	75~140
Working air temp (°C)	-15~43							
Performance Condition: Air 26°C, Water 26°C, Humidity 80%								
Heating capacity (kW) in Smart mode	7.8	11.5	13.6	17.2	21.7	26.6	26.6	34
Heating capacity (kW) in Turbo mode	9.6	13.8	16.5	22	26.6	32.0	31.5	40
C.O.P in Smart mode	7.8	8.2	7.5	7.3	7.8	7.4	7.4	7.3
C.O.P	21.2~7.1	21.5~7.4	21.6~7.2	26.0~7.3	20.0~7.0	21.3~7.1	21.3~7.1	20.7~7.1
C.O.P at 50% capacity	14.1	14.7	14.5	14.6	14.4	14.5	14.5	14.4
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
Heating capacity (kW) in Smart mode	5.3	9.0	9.0	12.1	18	18	18	23
Heating capacity (kW) in Turbo mode	6.5	11	11.3	15.4	21.7	21.	21.7	28
C.O.P in Smart mode	5.2	5.3	5	5	5.4	5.3	5.3	5.1
C.O.P	7.7~5.3	6.9~4.3	7~4.4	8.9~5.2	8.1~5.2	8.1~5.2	8.1~5.2	7.9~4.8
C.O.P at 50% capacity	7.1	7.2	7.4	7.1	7.0	7.4	7.4	7.3
Sound pressure at 1m dB(A)	36.9~43.9	38.1~46.0	41.3~47.2	42.2~49.9	41.1~50.3	42.5~50.9	42.5~50.9	41.8~51.9
Sound pressure of 50% capacity at 1m dB(A)	37.9	40.60	43.7	43.6	44.4	45.5	45.5	45.8
Sound pressure at 10m dB(A)	16.9~23.9	18.1~25.4	21.3~27.2	21.1~30.3	21.1~30.3	22.5~30.9	22.5~30.9	21.8~31.9
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power(kW) at air 15°C	0.14~1.23	0.19~1.5	0.21~2.16	0.38~3.3	0.38~3.3	0.44~4.17	0.46~4.25	0.58~5.75
Rated input current(A) at air 15°C	0.61~5.35	0.52~6.52	0.91~9.39	1.65~14.4	1.65~14.35	1.91~18.13	0.66~6.35	0.84~8.3
Advised water flux (m^3/h)	2~4	2~4	3~4	8~10	8~10	10~12	10~12	12~18
Water pipe in-out Spec (mm)	48.3							
Net Dimension Lx WxH (mm)	923x427x661	1120x427x760	1112x427x661	1146x536x955	1146x536x955	1315x536x1060	1315x536x1060	1397x536x1249
Net Weight (kg)	67	75	85	110	119	145	154	186