

EXPERIENCE THE
ALLIANCE
DIFFERENCE

Alliance Smart Aqua R32 INVERTER Pool Heat Pumps

- Heats and cools for the perfect pool temperature
- WiFi Enabled
- Energy Efficient
- Eco Friendly R32 gas
- Low noise silent fan Technology
- Smart Grid PV Ready Function
- Style and Durability
- Backed nationwide



Alliance

Alliance Smart Aqua R32 Inverter Pool Heat Pumps



ALLPH70R32-INV, ALLPH12R32, ALLPH18R32, ALLPH24R32 & ALLPH28R32

Smart Grid PV Ready Function

Use surplus PV energy with SG Ready. Connect the Smart Aqua heat pump to a Smart Grid Solar Inverter to maximize free energy from solar PV panels. Reduce pool heating costs, increase PV system efficiency and use solar power at home to power your unit to avoid constant power cuts affecting the operation of the unit.

Wi-Fi Control

Control your pool or Jacuzzi's temperature from anywhere in the world with a Wi-Fi control system. Manage heating and cooling in real-time, monitor energy consumption, set schedules and troubleshoot issues with web-connected devices.

Style and Durability

Manufactured using the latest colour-fast UV resistant technology, guaranteeing a stunning appearance for your backyard. The heat exchanger is made of PVC & Titanium tube which can withstand prolonged exposure to swimming pool water and the harsh coastal weather conditions.

Advanced Controller

The unit includes micro-computer controlling, allowing all operation parameters to be set. Operation status can be displayed on the LCD wired controller. Large LCD touch screen controller to easily control your pool temperature and schedules.

Energy Efficient

An impressive level of efficiency, surpassing standard on/off heat pumps by 30%.

Eco Friendly R32

R32 refrigerant offers a significantly lower Global Warming Potential (GWP) compared to R22, R134A, and R410A, improving heat exchange efficiency and promoting environmental benefits.

Temperature Range

Cools as low as 9°C and heats up to 40°C

SPECIFICATIONS

UNIT		ALLPH70R32-INV – Smart Aqua	ALLPH12R32-INV – Smart Aqua	ALLPH18R32-INV – Smart Aqua	ALLPH24R32-INV – Smart Aqua	ALLPH28R32-INV – Smart Aqua
Heating Capacity	kW	2.0 – 7	2.56 – 11.5	4.38 – 18.4	8.7 – 24.6	10.3 – 28
Consumed power	kW	0.196 – 1.21	0.246 – 1.92	0.44 – 3.17	0.71 – 3.89	0.82 – 4.49
COP		10.2 – 5.78	10.4 – 5.99	9.95 – 5.8	12.2 – 6.3	12.56 – 6.24
Operating air temperature	°C	-7 to 43	-7 to 43	-7 to 43	-7 to 43	-7 to 43
Power supply		230V~/ 50Hz	230V~/ 50Hz	230V / 50Hz	230V / 50Hz	380-415V / 3Ph
Max power input	kW	1.57	2.35	0.438 – 3.17	0.71 – 3.89	6.3
Rated current input	A	6.8	11.5	15.72	22.5	10.22
Compressor quantity		1	1	1	1	1
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant		R32	R32	R32	R32	R32
Fan quantity		1	1	1	1	1
Fan rotary speed	RPM	500 – 700	500 – 850	500 – 750	600 – 800	400 – 800
Fan direction		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Noise	dB(A)	38 – 47	38 – 48	44 – 56	49 – 56	47 – 55
Water connection	mm	50	50	50	50	50
Nominal water flow	m3/h	3	4.7	7.5	12	12
Water pressure drop (max)	kPa	1.8	2.7	6	14	17
Set water temperature Cooling / Heating	°C	9 / 40	9 / 40	9 / 40	9 / 40	9 / 40
Unit net dimensions (L*W*H)	mm	935*360*608	935*360*608	1002*453*767.5	1161*490*862	1160*490*862
Net weight	kg	40	46	60	92	96

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.