

## Superior Performance

Full inverter technology results in a COP as high as 20.4. With variable running speeds based on actual heating or cooling requirements, Alliance commercial inverter swimming pool heat pumps are the technology supplier of choice for hotels, gyms and schools.

**COP 20.04**



## Modular Applications

Comes equipped with centralised control that makes temperature adjustment and failure review much easier and more practical. By incorporating the master / slave control into the design, all the installed units work together with higher efficiencies without the interruption of a failure of a slave unit during operation.



## SPECIFICATIONS

Model		ALLPH250R410 - INV	ALLPH347R410 - INV	ALLPH650R410 - INV	ALLPH1320R410 - INV
Heating Capacity	kw	5.9 - 24.6	8.2 - 34.7	16.2 - 65	34.4 - 132
Heating Power Input	kw	0.47 - 4.94	0.66 - 6.9	1.6 - 12.5	2.76 - 23.3
COP		12.55 - 4.98	12.4 - 5.03	10.1 - 5.2	12.5 - 5.54
Power Supply	V/Hz	230 / 50	380 / 50	380 / 50	380 / 50
Compressor Quantity		1	1	1	1
Compressor		Full Inverter			
Heat Exchanger		Patented Dual Coil Titanium			
Fan Quantity		1	1	2	2
Noise	dB(A)	48 - 58	50 - 61	49.5 - 55	60 - 64
Water Connection	mm	50	50	63	110
Water Flow Volume	m³/h	8.3	11,5	27,5	45,9
Refrigerant		R410A	R410A	R410A	R410A
Net Dimenstions	L/W/H	770 / 990 / 970	920 / 960 / 1025	1750 / 830 / 1750	2260 / 1160 / 2127

Heating: Outdoor air temp 27°C / 24°C, Inlet water temp 26°C.

EXPERIENCE THE  
**ALLIANCE**  
**DIFFERENCE**

## Alliance Inverter Commercial Swimming Pool Heat Pump Range

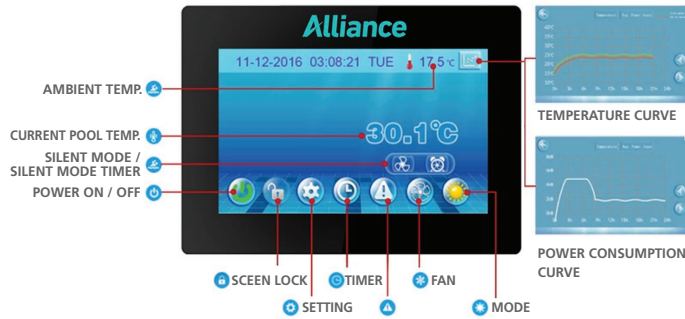
- **Stepless Inverter** motor with low start up voltage
- Intuitive control of your commercial pool heat pump with a **5 Inch Colour touch screen controller**
- **Temperature setting control**, able to monitor temperature and power consumption.
- Active defrosting system.
- Heating, cooling and auto modes.
- COP's as high as 20.4
- **Modular application applicable**, preventing interruptions in the case of slave unit failure during operation
- **Optional Wi-Fi connectivity**, can be controlled via your smartphone from anywhere.
- R410A refrigerant

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## 5 Inch Colour Touch Screen Controller



## Optional Wi-Fi Control

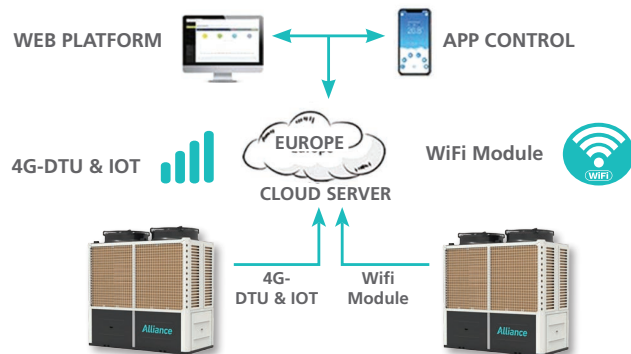


Wi-Fi (optional) control offers innovative real time management of your pool or Jacuzzi heat pump to suit your lifestyle from anywhere in the world. You can easily check your heat pump energy consumption, set a personalized running schedule and even trouble shoot through your web connected devices, such as your smart phone, tablet or online account from anywhere in the world.

### Features of the phone app include:

(Compatible with IOS and Android smart phones and tablets)

- Turn ON/OFF
- Increase/decrease the temperature set-point
- Set multiple timers
- Receive error alerts
- Record last 30 days of pool heating data
- Easy to set up – Download the app, pair it with your home WiFi and you are ready to go
- No installation costs, no technicians, no fuss
- Allows remote access by a technician



## Full Inverter Compressor / Fan

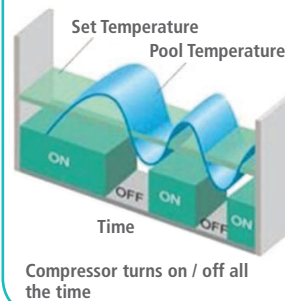
The difference between a fixed output and an inverter heat pump lies in how they deliver the energy needed from the heat pump to meet the heating demands of the swimming pool.

A fixed output heat pump works by continuously either being turned on or off. When turned on, the fixed output heat pump works at 100% capacity to meet the heating demand of the swimming pool. It will continue to do this until the set temperature is reached and will then cycle between on and off heating to maintain the set swimming pool temperature.

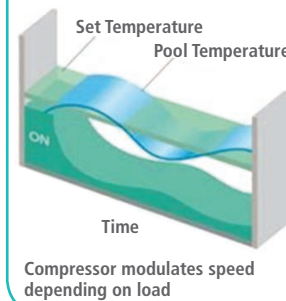
An inverter heat pump however, uses a variable speed compressor which modulates its output increasing or decreasing its speed to maintain the set pool temperature as the outdoor air temperature changes.

When the demand is low the heat pump will reduce its output, limiting the start cycles and therefore limiting the electricity usage and the exertion placed on the heat pump's components.

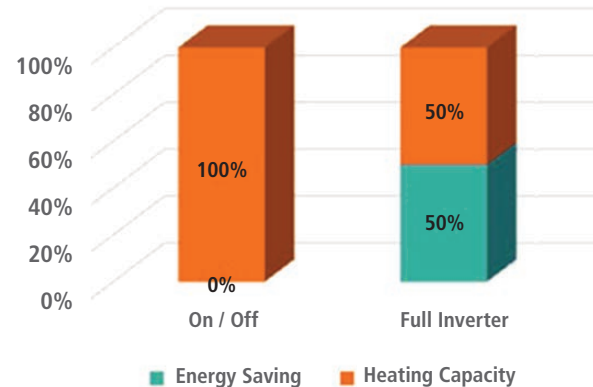
### On / Off type Compressor



### Inverter type Compressor



## Energy Savings Comparison



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JHB & Central: (011) 704-6320

KZN: (031) 579-1895

Bloemfontein: 083 381 0074

Pretoria: (012) 643-0445

Gqeberha (PE): (041) 484-6413

CPT: (021) 556-8292

EL: (043) 722-0671

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