



AUSTRALIAN ENERGY SYSTEMS

SOLAR PV COMPATIBLE



AUSTRALIAN DESIGNED
ENGINEERED
WITH EXPERIENCE



BLUEFIN COATING
ANTI-CORROSION



TITANIUM
CORROSION RESISTANT
HEAT EXCHANGER



SMART TECH
WI-FI ENABLED
CONTROLS



**LESS THAN
65 DECIBELS**
SUPER QUIET

INVERTER PLUS COMMERCIAL HEAT PUMP



COST EFFECTIVE SOLUTION

Inverter Plus Commercial's full inverter technology responds in real time to the environment and heating requirements.

- 2-3x lower running costs than on/off heat pumps
- 5x lower running costs than gas heating systems
- Less than 3 year return on investment, based on typical power usage

LONG WORKING LIFE

With the ability to maintain pool temperature dynamically, Inverter Plus can run for 24 hours a day with far less strain than on/off or multi-stage heat pumps.

- Responsive operation increases performance and reduces wear and tear
- Titanium heat exchanger defends against corrosion and rust
- Operation in environments as low as -7°C

QUIET & RELIABLE OPERATION

It is important that patrons aren't disturbed by noisy equipment and the pool heating doesn't interfere with other systems onsite.

- Near silent Mitsubishi DC Inverter compressor
- Up to 10x quieter than standard heat pumps
- Soft start ensures that the unit will not affect the localised electricity system

INDUSTRY LEADING WARRANTY

- 10 years on the titanium heat exchanger
- 5 years on the compressor
- 2 years on the electronics



INVERTER PLUS COMMERCIAL HEAT PUMP SPECIFICATIONS



| | IPH 28 | IPH 35 | IPH 60 | IPH 120 |
|---|------------------------------------|--------------|-----------------------|----------------|
| Heating Condition #1 : Ambient 26°C, Inlet/Outlet: 26/28°C, Humidity 80% | | | | |
| Heating Capacity (kW) | 27.3 | 35.6 | 60 | 120 |
| Power Input (kW) | 4 | 5.4 | 12.5 | 25 |
| C.O.P. | 15.3-6.2 | 15.5-5.5 | 15.6-6.5 | 15.8-6.2 |
| Heating Condition #2 : Ambient 15°C, Inlet/Outlet: 26/28°C, Humidity 70% | | | | |
| Heating Capacity (kW) | 18 | 24 | 40 | 85 |
| Power Input (kW) | 0.57-3.8 | 0.62-5.2 | 2.20-8.03 | 3.68-17.6 |
| C.O.P. | 7.8-4.6 | 7.7-4.5 | 7.5-5.0 | 8.5-5.0 |
| General Info | | | | |
| Max Power Input (kW) | 3.8 | 5.2 | 8.03 | 17.6 |
| Max Current (A) | 20 | 9.5 | 19 | 38 |
| Power Supply | 230V/1 Ph/50Hz | | 400V/3 Ph/50Hz | |
| Water Temp. Heating Mode (°C) | 40 | | | |
| Running Ambient Temp. (°C) | -7-43 | | | |
| Refrigerant | R32 | | R410A | |
| Compressor Brand | Twin Rotary Mitsubishi DC Inverter | | | |
| Gas Control | EEV | | | |
| 4-Way Valve | Yes | | | |
| Heat Exchanger | Spiral Titanium | | | |
| Water Pipe Connection (mm) | 40 | | 50 | 80 |
| Fan Type | Horizontal | | Vertical | |
| Case Type | ABS | | Powdercoated Aluminum | |
| Noise Level at 1m dB(A) | 43-55 | 42-55 | 54-62 | 56-65 |
| Noise Level at 10m dB(A) | 23-35 | 22-35 | 34-42 | 36-45 |
| Water Flow LPM (Litres Per Minute) | 165-200 | 200-300 | 375 | 750 |
| Net Weight (kg) | 90 | 120 | 243 | 431 |
| Net Dimension (mm) | 1092x420x958 | 1161x530x958 | 1110x1023x1260 | 2100x1090x1280 |

The values indicated are valid under ideal conditions. Pool covered with a thermal cover, heating system available to run up to 16 hours per day.

DON'T FORGET A POOL COVER!

The most efficient way to prevent heat loss, keep your pool clean and save on heating, chemicals and maintenance.

CONTROL FROM YOUR SMARTPHONE

