



# 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  $-7^{\circ}\text{C}$

### 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
<b>Heating Condition #1 : Ambient 26°C, Inlet/Outlet: 26/28°C, Humidity 80%</b>				
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
<b>Heating Condition #2 : Ambient 15°C, Inlet/Outlet: 26/28°C, Humidity 70%</b>				
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
<b>General Info</b>				
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

