



# AUSTRALIAN ENERGY SYSTEMS

**SOLAR PV  
COMPATIBLE**

## NEXT GEN ULTRA COMMERCIAL HEAT PUMP



**AUSTRALIAN DESIGNED**  
ENGINEERED  
WITH EXPERIENCE



**R290**  
NATURAL  
REFRIGERANT



**18 COP**  
MAXIMUM ENERGY  
SAVINGS



**BLUEFIN COATING**  
ANTI-CORROSION



**SMART TECH**  
AUTOMATIC OPERATION



**FUTURE PROOF**  
ENHANCED SUPERIOR  
PERFORMANCE



**SUSTAINABILITY**  
ECO FRIENDLY HEATING



### ENERGY EFFICIENCY

Next Gen Ultra Commercial heat pumps boast superior efficiency as a result of the R290 natural refrigerant. This delivers enhanced energy efficiency, which significantly reduces operating costs and enhances the performance of the system.

### TECHNOLOGICAL ADVANCEMENTS

The Next Gen Ultra is equipped with the latest technological advancements, providing superior performance and innovation. This includes a state of the art IOT control system which allows AES to remotely monitor the operational performance of the heat pump.

### FUTURE PROOF HEATING SOLUTION

Natural refrigerants have a significantly lower GWP than traditional HFC's, reducing the overall environmental impact whilst offering a stable, future proof heating solution.

### INDUSTRY LEADING WARRANTY

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



# NEXT GEN ULTRA COMMERCIAL HEAT PUMP



	CU 35	CU 72	CU 145
Heating Condition #1 : Ambient 27°C, Inlet/Outlet: 26/28°C, Humidity 80%			
Heating Capacity (kW)	35	72	145
Power Input (kW)	0.74-5.39	0.72-10.58	1.44-21.26
C.O.P.	15.62-6.46	18.12-6.81	18.20-6.82
Heating Condition #2 : Ambient 15°C, Inlet/Outlet: 26/28°C, Humidity 70%			
Heating Capacity (kW)	25.9	55	111
Power Input (kW)	1.35-5.44	1.50-10.88	2.95-23.40
C.O.P.	6.99-4.76	9.02-4.74	9.17-4.76
General Info			
Max Power Input (kW)	7	13	26
Max Current (A)	13	22	44
Power Supply	380-415V/3N~/ 50Hz		
Water Temp. Heating Mode (°C)	40		
Running Ambient Temp. (°C)	-25-43		
Refrigerant	R290		
Compressor Brand	Twin Rotary Mitsubishi DC Inverter		
Gas Control	EEV		
4-Way Valve	Yes		
Heat Exchanger	Spiral Titanium		
Water Pipe Connection (mm)	50mm	65mm	80mm
Fan Type	Vertical		
Case Design	Metal Sheet		
Noise Level at 1m dB(A)	46-62	48-62	48-63
Noise Level at 10m dB(A)	32-46	36-46	37-47
Water Flow LPM (Litres Per Minute)	220	375	750
Net Weight (kg)	141	480	930
Net Dimension (mm)	907 x 842 x 1052	1095 x 1315 x 2283	2190 x 1315 x 2283

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

