

COMMERCIAL

C42SS | C52SS | C65SS

C95 | C120 | C145 | C200

The Commercial C series is the top of the line range of heat pumps offered by Sunlover and Oasis.



This supreme unit has an automatic reverse cycle defrost system which allows the unit to operate in temperatures below 0°C. At approximately 10°C, all heat pumps will start to ice up. If the unit is not fitted with a reverse cycle function it will stop operating.

The Oasis Commercial Range of heat pumps is the most efficient and effective way to heat a commercial pool no matter what the size. We have seven units ranging from 42kW's up to 200 kW's and multiple units are regularly used in larger pools.

The Oasis Commercial range is extremely reliable and robust with the frame and external panels made from either galvanized powder coated steel or Stainless Steel. The V shaped designed condenser increases the space for air flow direction and makes defrosting easier. All models are designed to both heat and cool the pool water and comes standard with built in automatic defrosting to ensure optimum performance at all times.

HIGH EFFICIENCY

With COP of 5.7 at working condition of 24°C/19°C, the Oasis Commercial Series has high efficiency for either pool heating or cooling.

KEY FEATURES

TWIN TITANIUM HEAT EXCHANGER

Our patented Two Titanium Coil Heat Exchanger has a larger surface area increasing efficiency.

ELECTRIC EXPANSION VALVE

The Smart Control System adjusts the refrigerant flow rate to ensure the units are always running at their most efficient.

RIPPLE HEAT EXCHANGER

Our extended exchanger surface area reduces the risk of frosting.

PRESSURE PROTECTION

The units have a safety protection reducing the pressure applied. The protection stops the units from running at too low or high pressure.

WATER FLOW SWITCH

The water flow switch gives you greater control over flow rates.

V SHAPED AIR EXCHANGER

Our V shaped heating surface increases efficiency of the units.



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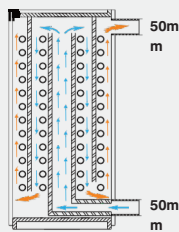


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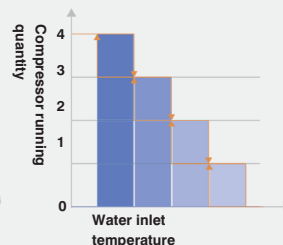
CONTROL SYSTEMS

All our commercial heat pumps are fitted with the most sophisticated control systems to meet each specific application. The controls can communicate with various management systems and are able to send out alarm outputs to provide further confidence in performance.



DUAL COIL TITANIUM HEAT EXCHANGER

Oasis patented dual coil titanium heat exchanger enlarges the heat exchanging surface that increases efficiency by providing a sufficient action area.



COPELAND and Sanyo COMPRESSOR

Our compressor uses precise energy setting to ensure the unit is achieving the desired energy savings.

Connecting multiple heat pumps in parallel is a widely used practice throughout Australia and New Zealand, known to optimize heating and cooling efficiency.

Oasis Heat Pumps have the ability to design and install heating systems to suit every application. The system is designed with a centralized control mechanism that simplifies temperature adjustment and failure analysis. With the inclusion of a master-slave control, the units can operate more efficiently and work together seamlessly.



Commercial Series Specifications – Heating and Cooling

Air 27°C Water 26°C			C42SS	C52SS	C65SS	C95	C120	C145	C200	
	Heating Capacity	kW	41.53	51.37	63.38	103.82	131.14	158.47	207.65	
	Consumed Power	kW	7.02	8.73	12.87	16.24	21.22	25.67	33.11	
			COP	5.92	5.88	4.92	6.39	6.18	6.17	6.27
Air 15°C Water 26°C	Heating Capacity	kW	32.39	40.07	49.44	80.86	101.29	122.61	160.79	
	Consumed Power	kW	6.99	8.69	12.75	16.07	20.87	25.21	32.54	
			COP	4.63	4.61	3.88	5.03	4.85	4.86	4.94
Air 35°C Water 29°C	Cooling Capacity	kW	24.76	31.34	37.79	61.89	78.18	94.47	123.79	
	Consumed Power	kW	7.94	9.86	14.51	18.25	23.81	28.91	37.35	
			EER	3.12	3.18	2.6	3.39	3.28	3.27	3.31
Sound Pressure at 1m		dB(A)	61	61	61	61	62	71	73	
Power Supply		V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	
Running Current		amp	11.5	16.6	23	28.8	38	46	70.8	
Water Flow Volume		l/m	200	250	333	467	585	700	830	