

FRESH AIR COOLING

EcoCooling CloudCooler® Range

Data Centres

EXPLOITING FREE COOLING

Save 90% on your data centre cooling costs

Data centre operators are under increasing pressure to reduce energy usage and in some cases, release power in their facilities. EcoCooling's evaporative cooling and ventilation solutions can reduce cooling costs by up to 90% when compared to traditional refrigeration. The CloudCooler® Range builds on EcoCooling's 15 years experience to achieve unparalleled free cooling efficiency while maintaining Class 1 ASHRAE compliant environmental conditions. The internal, modular, plug and play units combine ventilation, evaporative cooling and humidification to provide operators with simple cooling solutions that are easy to install, maintain and operate.



Free Cooling

When the temperatures outside are low, outside air is used to cool the IT equipment




Evaporative cooling

On the hottest days, natural cooling can be used, eliminating the need for refrigeration



Filtration

A number of filtration options are available, Grade G4 is fitted to the CloudCooler Range



“EcoCooling were able to exceed our expectations. Not only in terms of pure efficiency, but more importantly their desire and capability to enhance their solutions to our specific use case.”

Alex Chiolo - Operations Director, Hydro66



AWARD WINNING EFFICIENCY

ECOCOOLING CAN HELP YOU ACHIEVE AN
OPERATING PUE OF LESS THAN 1.1

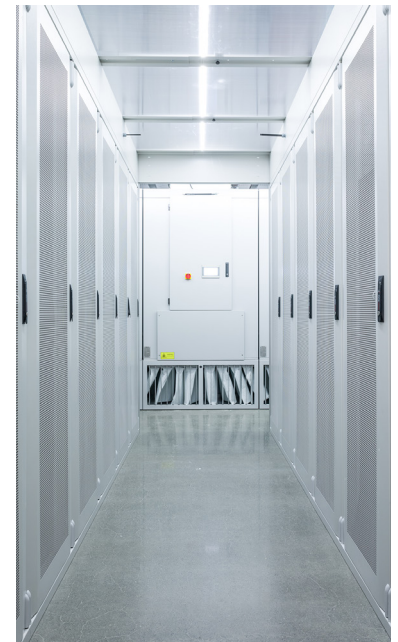
ECT Evaporative CloudCooler®

- Direct free cooling
- Supplementary evaporative cooling
- Humidification option
- Inbuilt CREC® control system
- Electronically Commutated fan
- In built filtration
- Remote commissioning

ECV Ventilation CloudCooler®

- Direct free cooling
- Automatic temperature control
- Inbuilt CREC® control system
- Electronically Commutated fan
- In built filtration
- Plug-and-play solution
- Remote commissioning

Product	Nominal Flow Rate (m³/hr)	Cooling Capacity (kW)	
		$\Delta T=10C$ (servers)	$\Delta T=15C$ (blades)
ECT 10800 CloudCooler®	10,800	38	58
ECV 18000 CloudCooler®	18,000	64	96



Experts in ventilation and evaporative cooling

The CloudCooler® range is designed specifically for use in data centres. The products utilise the latest fan technology while our patented control system automatically adjusts airflow to achieve optimum operating efficiency and compliant environmental conditions. Our direct fresh air cooling systems complement rapid deployment commercial strategies with a modular system that supports this progressive development.