

Free Cooling

Energy Saving Free Coolers

What is Free Cooling?

"Free Cooling" is a technique used to reduce the energy consumption of water chiller systems. Typically, these systems use a high-energy compressor to maintain a constant water temperature during the summer months. However, in the UK, where ambient temperatures are much cooler for most of the year, the chillers tend to be oversized and therefore inefficient for up to 70-80% of their operating time.

Fortunately, by retrofitting an existing chiller system with a Summit Free Cooler, significant energy savings can be achieved. The payback period for the investment in this retrofit can be as short as 6-12 months, making it an outstanding return on investment. By implementing this technique, businesses can drastically reduce their chiller running costs without compromising on the system's performance.

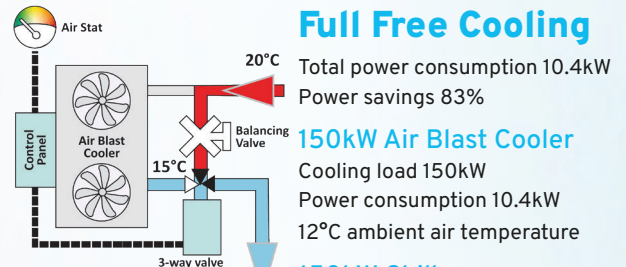


What choose a Summit Free Cooler?

- ▶ Huge savings in energy and running costs on chiller systems
- ▶ System pack back in 12 months or less
- ▶ Compact plan area
- ▶ Automatic Control included
- ▶ Extended life on your chiller
- ▶ Simple retro-fit units
- ▶ Lower carbon footprint and improved 'green profile'
- ▶ 24 month warranty as standard
- ▶ Designed to ISO 9001:2014 and CE marked

GET IN TOUCH TODAY

We have 30+ years experience controlling temperature for the world's most demanding industries.

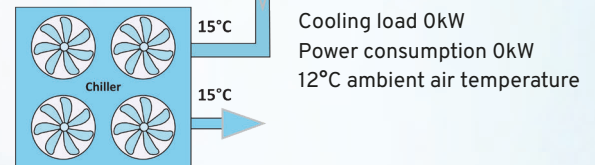


150kW Air Blast Cooler

Cooling load 150kW
Power consumption 10.4kW
12°C ambient air temperature

150kW Chiller

Cooling load 0kW
Power consumption 0kW
12°C ambient air temperature



Partial Free Cooling

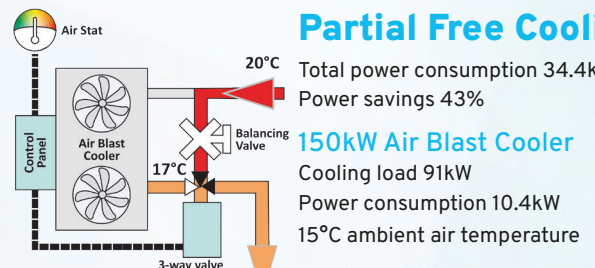
Total power consumption 34.4kW
Power savings 43%

150kW Air Blast Cooler

Cooling load 91kW
Power consumption 10.4kW
15°C ambient air temperature

150kW Chiller

Cooling load 59kW
Power consumption 24kW
15°C ambient air temperature



No Free Cooling

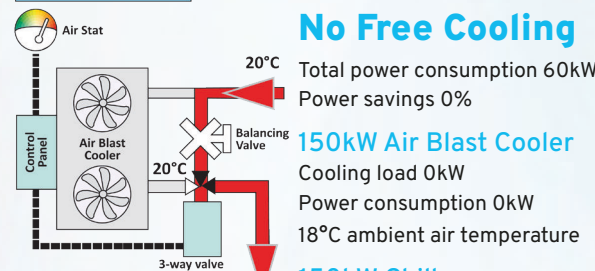
Total power consumption 60kW
Power savings 0%

150kW Air Blast Cooler

Cooling load 0kW
Power consumption 0kW
18°C ambient air temperature

150kW Chiller

Cooling load 150kW
Power consumption 60kW
18°C ambient air temperature



+44 (0) 1827 213 401

sales@summitprocesscooling.co.uk

www.summitprocesscooling.co.uk