



**TRANE®**

# Trane FreeCool

Free Cooling. Reinvented.

## The most efficient chilled water cooling solution – in one unique package



### Energy prices are uncertain but trends are not

Prudent planning requires that you anticipate future energy price hikes. In its Communication “Energy prices and costs in Europe” (2014), the European Commission shows retail prices of electricity increasing by 3.5% to 4% every year across Europe (2008-2012).



### Environmental challenges are real

Producing chilled water with mechanical refrigeration consumes large amounts of electricity with a correspondingly negative environmental impact. Using natural cooling when ambient temperatures are low helps reduce electrical consumption and carbon footprint.



### Eco-friendly solutions can be difficult and expensive

Implementing energy efficient solutions such as free cooling requires design expertise and significant investments in time and money. Prepackaged solutions address these challenges while optimizing cost and payback.

### Trane Freecool. The Advantage:

Trane expertise in HVAC enables us to engineer a factory-built, prepackaged, performance-optimized solution designed to deliver premium performance.

#### Advanced solution, made simple

- Designed and built in-house
- Premium performance and reliability
- Adaptable to suit a wide range of chilled water systems

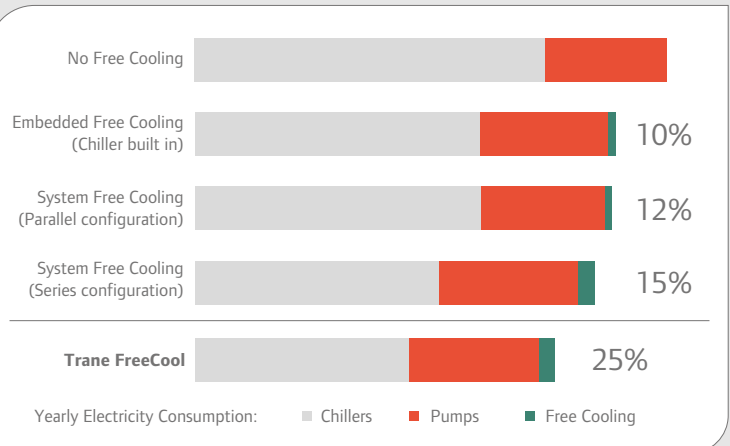
#### Quick and easy installation

- Plug and Play installation
- Limited changes to hydraulic system minimize chiller plant disruption
- Preprogrammed controls reduce commissioning time

#### Energy Management

- Reduces electrical peak demand in winter
- Reduces electrical consumption
- Energy metering and performance trending

## Trane FreeCool has the best energy saving potential of any free cooling system



Typical example of savings for a process cooling application, located in an average European climate (Source: Trane proprietary information)



- 1 High efficiency dry cooler with EC fans
- 2 Optimized hydraulic design and components including two variable speed pumps and a plate heat exchanger
- 3 Trane controls with intuitive, user-friendly interface and integrated energy metering and performance trending



### Trane FreeCool Features

Trane FreeCool comprises all the components required to operate a Free cooling system. It is a factory built, configured and tested package.

#### Features include:

- Advanced control logic to maximize energy savings
- Preprogrammed controls with configurable parameters
- Trane TD7 touch screen available in multiple languages
- System scheduling
- System alarm notification
- Energy metering and performance trending
- Electrical protection devices
- IP55 and freeze protection for outside installation



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