OASIS™ DCiE
PRODUCT
GUIDE

MODULAR DATA CENTER COOLING FOR HOT AND HUMID CLIMATES

Ultra High Efficiency
Munters is a global provider of energy efficient air treatment systems with over 300,000 air treatment systems installed worldwide, offices in 30 countries and over 3,000 employees. We are the leading international provider of evaporative air cooling, temperature and humidity control solutions.

Oasis™ DCie has been developed to satisfy the specific requirements of today's data center facilities.

Munters solutions provide low partial PUE results, reduced CO2 emissions and high energy savings. With a wide range of technical solutions to suit all types of critical facilities, Munters really can provide Your Perfect Climate.
Critical cooling for data center facilities
Critical cooling for data center facilities

FEATURES - OASIS™ DCiE

- Indirect Evaporative Cooling
- Zero particulate and gaseous contamination
- Munters advanced heat exchanger technology - EPX
- Scalable in increments of up to 70,000 m³/h
- Multiple airflow configurations
- Optional DX or chilled water trim cooling
- Optimised for Multi-storey design
- Suitable for containerised shipping
- Suitable for all types of fresh water
- High efficiency EC fan walls

UNIT PERFORMANCE DATA

OASIS™ DCiE

<table>
<thead>
<tr>
<th>Delta T between SA/RA</th>
<th>Total Cooling Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 °C</td>
<td>250kW</td>
</tr>
<tr>
<td>13 °C</td>
<td>280kW</td>
</tr>
<tr>
<td>14 °C</td>
<td>300kW</td>
</tr>
<tr>
<td>15 °C</td>
<td>350kW</td>
</tr>
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A range of flexible service options available
Optimised Design

Energy efficient data centre cooling using EPX technology

Oasis™ DCiE

Efficient 3 modes of operation

EPX technology

Evaporative polymer heat exchanger provides single step indirect cooling. Works with any fresh water type

Optimised Proven
design technology

See how it works munters.com/datacenters
A summary of the locations assessed and the operational cost savings compared is shown above. This analysis is based on a nominal data hall with 720kW capacity with the savings showing the utility, electricity and water cost reductions compared to water cooled chillers with CRAH’s.
## OUR GLOBAL PORTFOLIO OF DATA CENTRE SOLUTIONS INCLUDE...

### Cooling
- Direct Evaporative Cooling
  - Complete AHU’s & Sub-systems
- Indirect Evaporative Cooling
  - Packaged systems

### Make up air units
- Make up air
  - Complete your design with integrated make up air units

### Humidity Control
- Humidity Control
  - Self contained units for direct adiabatic humidity control
- Design Software
  - Data centre cooling design software
- Cool Care
  - Flexible options for warranty, service and parts

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**Legend**
- C: Cooling
- M: Make up air units
- H: Humidity Control

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**Products**
- FA6 & DATADEK™
- HUMIMAX™
- OASIS™
- GENESYS
- MUA
- GLOBAL SERVICES
CASE STUDIES

Oasis units are successfully cooling data centers around the globe while helping to achieve challenging energy efficiency targets. Here are just a few examples from a long list of delighted customers.

DigiPlex - Norway
“Driving forward energy efficiency in our industry is a major focus for us and this system halves the amount of energy used to keep our servers working at an ideal temperature.”

Greg McCulloch, Chief Operating Officer

Mentor Graphics - US
“The result of using this quality equipment and the detailed design process has allowed us to be efficient on day one, and from this point on we are saving money, energy, and everything is working correctly.”

John Wozniak, MGC’s Infrastructure Technician

10MW COOLED
Read the full story munters.com/digiplex

1MW COOLED
Read the full story munter.com/mentorgraphics
For further details on Munters data centre installations please visit www.munters.com/datacenters
DATA CENTER TESTING FACILITIES

Arrange a visit to our fully functional simulation cooling facility

The Munters test facility - located within the Belgian Manufacturing plant in Dison, is able to simulate different load performance tests under a wide envelope of simulated external conditions.

- Leakage testing
- Controls and Alarm simulation testing
- A visual inspection of the unit
- Variable load/performance testing, 1.7°C up to 33°C WB
- Real server rack simulation over 300kW load

Fully calibrated & certified by LEUVEN KUL University
GLOBAL SERVICES

Service options to suit you, from critical spares to full training and education.

Cool Care
Flexible service and support solutions, tailored to suit your needs.

24/7 /365 SUPPORT

OFFERING

✓ Flexible service plans
✓ Remote monitoring
✓ 24 / 7 / 365 Support
✓ Extended warranty options
✓ Critical spare parts
✓ Dedicated training facility

In-house dedicated service teams. Global application expertise.

More information on munters.com/service
An international name, where the customer comes first.

Munters, part of Nordic Capital, has offices in 30 countries and over 3,000 employees in many branches around the world. We are global leaders in energy efficient air treatment for comfort, process and environmental protection.

Munters shares ideas within its international network, giving the Group an outstanding reputation as a reliable, fast-acting and customer-oriented expert in air conditioning. Munters philosophy of customer satisfaction is central to our decision-making. When developing and manufacturing our systems, we see happy customers as our number one target. And this is what our employees strive to ensure every day.

For more information on Munters, please visit www.munters.com/datacenters