Function
The CDT 30 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator coil the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
- Water works
- Dry storing

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½” hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>CDT 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range – humidity</td>
<td>40-100% RH</td>
</tr>
<tr>
<td>Operating range – temperature</td>
<td>3-32°C</td>
</tr>
<tr>
<td>Air volume</td>
<td>250 m³/h</td>
</tr>
<tr>
<td>Power supply</td>
<td>230 V/50 Hz</td>
</tr>
<tr>
<td>Max. ampere consumption</td>
<td>2,7 A</td>
</tr>
<tr>
<td>Max. power consumption</td>
<td>0,590 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R 134a</td>
</tr>
<tr>
<td>Compressor type</td>
<td>Rotary</td>
</tr>
<tr>
<td>Sound level (at 1 metre)</td>
<td>56 dB(A)</td>
</tr>
<tr>
<td>Water container capacity</td>
<td>7 litres</td>
</tr>
<tr>
<td>Colour – cabinet</td>
<td>RAL 7044</td>
</tr>
<tr>
<td>Colour – water container</td>
<td>RAL 7015</td>
</tr>
<tr>
<td>Colour – control panel</td>
<td>RAL 9005</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP X4</td>
</tr>
<tr>
<td>Filter</td>
<td>PPI 15/G1</td>
</tr>
<tr>
<td>Wheel size</td>
<td>Ø 250 mm</td>
</tr>
<tr>
<td>Wheel and water container material</td>
<td>PP</td>
</tr>
<tr>
<td>Control panel material</td>
<td>ABS</td>
</tr>
<tr>
<td>Weight</td>
<td>32 kg</td>
</tr>
</tbody>
</table>

**CAPACITY CURVES**

- Specific energy consumption (SEC)
  - 0,45 kWh/l at 30°C & 80% RH
  - 0,81 kWh/l at 20°C & 60% RH

**DIMENSIONS**

- All dimensions are in mm.

**Accessories**
- ½“ drain outlet
- Remote hygrostat
- Wall bracket
- Dual voltage kit
- Condensate pump in a cassette
  (see separate data sheet)

**Also available in this series:**
- CDT 30 S
- CDT 40
- CDT 40 S
- CDT 60
- CDT 90
  (see separate data sheets)
**Function**
The CDT 30 S is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

**Applications**
- Damage service
- Building drying
- Water works
- Dry storing

**Features**
- **Dehumidifier**
  - High capacity
  - Low energy consumption
  - Strong and robust cabinet of powder coated hot galvanized steel
  - Epoxy coated evaporator and condenser.
  - Adjustable handle
  - Plastic bumpers
  - Low weight
  - Stackable.
  - Large wheels
  - On the back two Ø100 mm flex. air ducts may be connected (max. length of 5 m) (accessory)
  - Built-in 1 kW heating element
  - Supplied with high pressure fan

- **Water container**
  - Water container with handles
  - Automatic stop when water container is full or removed.
  - Permanent drainage can be established with optional ½" hose connection
  - Condensate pump in a cassette as optional extra

- **Electronic control**
  - Digital touchpad control panel with display
  - Accurate hour and kWh counter (reading)
  - RH and °C monitoring (reading)
  - RH setting
  - Easy fault-finding
  - Service monitoring function

- **Defrosting**
  Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.
**Specific energy consumption (SEC)**
- 0.39 kWh/l at 30°C & 80% RH
- 0.76 kWh/l at 20°C & 60% RH

**Accessories**
- ½" drain outlet
- Remote hygrostat
- Wall bracket
- Dual voltage kit
- Condensate pump in a cassette
- Flex. air ducts Ø100 mm
  (see separate data sheet)

**Also available in this series:**
- CDT 30
- CDT 40
- CDT 40 S
- CDT 60
- CDT 90
  (see separate data sheets)
Function
The CDT 40 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
- Water works
- Dry storing

DEHUMIDIFIER
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½” hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.

Digital touchpad control panel:
1. On-off switch
2. Reading of room temperature
3. Indicator for normal operation (green lamp)
4. Reading of RH value / setting of RH value
5. Indicator for full water container (yellow lamp)
6. Failure indicator (red lamp)
7. Hour counter / setting of service intervals
8. kWh counter
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>CDT 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range – humidity</td>
<td>40-100% RH</td>
</tr>
<tr>
<td>Operating range – temperature</td>
<td>3-32°C</td>
</tr>
<tr>
<td>Air volume</td>
<td>350 m³/h</td>
</tr>
<tr>
<td>Power supply</td>
<td>230 V/50 Hz</td>
</tr>
<tr>
<td>Max. ampere consumption</td>
<td>3.6 A</td>
</tr>
<tr>
<td>Max. power consumption</td>
<td>0.82 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R 407C</td>
</tr>
<tr>
<td>Compressor type</td>
<td>Rotary</td>
</tr>
<tr>
<td>Sound level (at 1 metre)</td>
<td>59 dB(A)</td>
</tr>
<tr>
<td>Water container capacity</td>
<td>14 litres</td>
</tr>
<tr>
<td>Colour – cabinet</td>
<td>RAL 7044</td>
</tr>
<tr>
<td>Colour – water container</td>
<td>RAL 7015</td>
</tr>
<tr>
<td>Colour – control panel</td>
<td>RAL 9005</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP X4</td>
</tr>
<tr>
<td>Filter</td>
<td>PPI 15/G1</td>
</tr>
<tr>
<td>Wheel size</td>
<td>Ø 250 mm</td>
</tr>
<tr>
<td>Wheel and water container material</td>
<td>PP</td>
</tr>
<tr>
<td>Control panel material</td>
<td>ABS</td>
</tr>
<tr>
<td>Weight</td>
<td>43 kg</td>
</tr>
</tbody>
</table>

**CAPACITY CURVES**

- Specific energy consumption (SEC)
  - 0.50 kWh/l at 30°C & 80% RH
  - 0.66 kWh/l at 20°C & 60% RH

**DIMENSIONS**

All dimensions are in mm.
The CDT 40 S is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

### Function

The CDT 40 S is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

### Applications

- Damage service
- Building drying
- Water works
- Dry storing

### Dehumidifier

- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels
- On the back two Ø100 mm flex. air ducts may be connected (max. length of 5 m) (accessory)
- Built-in 1 kW heating element
- Supplied with high pressure fan

### Water container

- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½” hose connection
- Condensate pump in a cassette as optional extra

### Electronic control

- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

### Defrosting

Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.
**Specific energy consumption (SEC)**
- 0,47 kWh/l at 30°C & 80% RH
- 0,83 kWh/l at 20°C & 60% RH
Function
The CDT 60 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which is collected in the water container.

Applications
- Damage service
- Building drying
- Water works
- Dry storing

FEATURES

Dehumidifier
- High capacity
- Low energy consumption
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

Water container
- Water container with handles
- Automatic stop when water container is full or removed.
- Permanent drainage can be established with optional ½" hose connection
- Condensate pump in a cassette as optional extra

Electronic control
- Digital touchpad control panel with display
- Accurate hour and kWh counter (reading)
- RH and °C monitoring (reading)
- RH setting
- Easy fault-finding
- Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>CDT 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range – humidity</td>
<td>40-100% RH</td>
</tr>
<tr>
<td>Operating range – temperature</td>
<td>3-32°C</td>
</tr>
<tr>
<td>Air volume</td>
<td>725 m³/h</td>
</tr>
<tr>
<td>Power supply</td>
<td>230 V/50 Hz</td>
</tr>
<tr>
<td>Max. ampere consumption</td>
<td>4,9 A</td>
</tr>
<tr>
<td>Max. power consumption</td>
<td>1,12 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R 407c</td>
</tr>
<tr>
<td>Compressor type</td>
<td>Rotary</td>
</tr>
<tr>
<td>Sound level (at 1 metre)</td>
<td>62 dB(A)</td>
</tr>
<tr>
<td>Water container capacity</td>
<td>14 litres</td>
</tr>
<tr>
<td>Colour – cabinet</td>
<td>RAL 7044</td>
</tr>
<tr>
<td>Colour – water container</td>
<td>RAL 7015</td>
</tr>
<tr>
<td>Colour – control panel</td>
<td>RAL 9005</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP X4</td>
</tr>
<tr>
<td>Filter</td>
<td>PPI 15/G1</td>
</tr>
<tr>
<td>Wheel size</td>
<td>Ø 250 mm</td>
</tr>
<tr>
<td>Wheel and water container material</td>
<td>PP</td>
</tr>
<tr>
<td>Control panel material</td>
<td>ABS</td>
</tr>
<tr>
<td>Weight</td>
<td>47 kg</td>
</tr>
</tbody>
</table>

**CAPACITY CURVES**

![Capacity Curves Graph](image-url)

**Specific energy consumption (SEC)**
- 0,43 kWh/l at 30°C & 80% RH
- 0,67 kWh/l at 20°C & 60% RH

**DIMENSIONS**

![Dimensions Diagram](image-url)

All dimensions are in mm.

---

**Accessories**
- ½" drain outlet
- Remote hygrostat
- Wall bracket
- Dual voltage kit
- Condensate pump in a cassette
  (see separate data sheet)

**Also available in this series:**
- CDT 30
- CDT 30 S
- CDT 40
- CDT 40 S
- CDT 90
  (see separate data sheets)
Function
The CDT 90 is a robust, cost-effective and energy-efficient, reliable mobile dehumidifier. It works in accordance with the condensation principle. A fan draws the humid air into the dehumidifier and through an evaporator coil. When passing through the evaporator the air is cooled down to below its dew point temperature, and its content of water vapour is condensed into water, which falls into the drip tray and then is led to the drain.

Applications
• Damage service
• Building drying
• Water works
• Dry storing

Features

Dehumidifier
• High capacity
• Low energy consumption
• Strong and robust cabinet of powder coated hot galvanized steel
• Epoxy coated evaporator and condenser.
• Adjustable handle
• Plastic bumpers
• Low weight
• Large wheels

Water drain
• Fitted with a drain outlet for connection to a ½" water hose

Electronic control
• Digital touchpad control panel with display
• Accurate hour and kWh counter (reading)
• RH and °C monitoring (reading)
• RH setting
• Easy fault-finding
• Service monitoring function

Defrosting
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.
Specific energy consumption (SEC)
• 0,42 kWh/l at 30°C & 80% RH
• 0,71 kWh/l at 20°C & 60% RH

Accessories
Remote hygrostat
Dual voltage kit
(see separate data sheet)

Also available in this series:
CDT 30
CDT 30 S
CDT 40
CDT 40 S
CDT 60
(see separate data sheets)
## ACCESSORIES CDT

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Accessory</th>
<th>Description</th>
<th>CDT-type</th>
<th>Dantherm No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Hygrostat" /></td>
<td>Hygrostat</td>
<td>When a hygrostat is connected the dehumidifier can operate continuously dependent on the relative humidity in the room. Two versions are available: Hygrostat with 0,4 m cable, jack plug and fitting</td>
<td>All</td>
<td>396242</td>
</tr>
<tr>
<td><img src="image2.png" alt="Hygrostat" /></td>
<td>Hygrostat</td>
<td>Hygrostat with 3 m cable and jack plug</td>
<td>All</td>
<td>396241</td>
</tr>
<tr>
<td><img src="image3.png" alt="Draining Tap and Screwed Hose Connector" /></td>
<td>½” draining tap and screwed hose connector</td>
<td>Ball tap, brass screwed hose connector and clamp for mounting on the water container</td>
<td>All</td>
<td>396243</td>
</tr>
<tr>
<td><img src="image4.png" alt="Condensate Pump in a Cassette" /></td>
<td>Condensate pump in a cassette</td>
<td>Cassette with built-in condensate pump Vertical lift of up to 3 metres Length of tube: 10 metres</td>
<td>CDT 30/30S</td>
<td>075616</td>
</tr>
<tr>
<td><img src="image5.png" alt="Condensate Pump in a Cassette" /></td>
<td>Condensate pump in a cassette</td>
<td></td>
<td>CDT 40/40S/60</td>
<td>075617</td>
</tr>
<tr>
<td><img src="image6.png" alt="Wall Bracket" /></td>
<td>Wall bracket</td>
<td>Using the wall bracket the dehumidifier can be hung on the wall</td>
<td>CDT 30/30S</td>
<td>396247</td>
</tr>
<tr>
<td><img src="image7.png" alt="Wall Bracket" /></td>
<td>Wall bracket</td>
<td></td>
<td>CDT 40/40S/60</td>
<td>396248</td>
</tr>
</tbody>
</table>