Function
The CDP 40T is an energy efficient and quiet pool 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 from the drip tray to a drain. The cold, dry air is then passed over the condenser coil where it is re-heated, before leaving the unit at a temperature, which is approx. 5°C higher than at the inlet.

Applications:
• Indoor swimming pools, private or hotels
• Therapy pools
• Spas
• Gymnias

Features

Dehumidifier
• Built into a strong and robust powder coated hot galvanized sheet metal cabinet
• Evaporator and condenser coils are epoxy-coated for high corrosion resistance
• Fixed to the wall by means of a wall mounting strip supplied with the unit
• Condensate outlet located at the bottom. Outlet stub can be connected to a ¾” hose
• Outside connection to mains

Control
• Built in electronic hygrostat and thermostat
• To establish ideal ambient sensor point (RH/t) the fan(s) run 1 minute each hour
• Integrated ON/OFF control of humidity and temperature (electric or water heating coils as accessories)
• 0-VOLT connection for alarm
• 230 V for control valve, exhaust fan and pump/boiler
• RS 485 gate for BMS (Modbus)

Diodes
BLUE: Power connected, standby mode
GREEN: Compressor ON, deicing
YELLOW: Remote pairing mode
RED: Errors

Defrosting
Active, demand-controlled defrosting is incorporated into the electronic control.

Service
For easy service the refrigerant circuit is supplied with a service valve. The PCB has a USB gate for history data logging for easy fault finding.
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>CDP 40T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range – humidity</td>
<td>40 – 100% RH</td>
</tr>
<tr>
<td>Operating range – temperature</td>
<td>10 – 36 °C</td>
</tr>
<tr>
<td>Air volume</td>
<td>400 m³/h</td>
</tr>
<tr>
<td>Power supply</td>
<td>1x230/50 V/Hz</td>
</tr>
<tr>
<td>Max. ampere consumption</td>
<td>3,8 A</td>
</tr>
<tr>
<td>Max. power consumption</td>
<td>0,9 kW</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R407C</td>
</tr>
<tr>
<td>Quantity of refrigerant</td>
<td>0,7 kg</td>
</tr>
<tr>
<td>Compressor</td>
<td>Rotary</td>
</tr>
<tr>
<td>Fan</td>
<td>Radial</td>
</tr>
<tr>
<td>Sound level (in pool room 1 m from the wall)</td>
<td>43 dB(A)</td>
</tr>
<tr>
<td>Weight</td>
<td>57,5 kg</td>
</tr>
<tr>
<td>Filter</td>
<td>G3 PPI 15</td>
</tr>
<tr>
<td>Colour (Cabinet)</td>
<td>RAL 7035</td>
</tr>
<tr>
<td>Protection class</td>
<td>IPX4</td>
</tr>
<tr>
<td>Corrosion protection in accordance with EN/ISO 12944-2</td>
<td>C4</td>
</tr>
</tbody>
</table>

**CAPACITY CURVES**

Specific energy consumption (SEC):
0,47 kWh/l at 28°C & 60% RH

**INSTALLATION**

CDP 40T, 50T and 70T are designed for installation in an adjacent room and are supplied with a through-the-wall duct kit with supply and return air grills (accessory).
**Accessories**
- Wireless remote control DRC1
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans
- Through-wall duct kit with filter, extension kit and alu grill
- Duct lead-in adapter

**DIMENSIONS CDP 40T**

1. **Drain outlet position**

2. **Duct kits CDP 40T**

The duct kit includes an extension for wall thickness from 70 to 366 mm.

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wall opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDP 40T</td>
<td>465</td>
<td>998</td>
<td>642</td>
<td>610 x 110</td>
</tr>
</tbody>
</table>

All dimensions are in mm.
**Function**
The CDP 50T is an energy efficient and quiet pool 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 from the drip tray to a drain. The cold, dry air is then passed over the condenser coil where it is re-heated, before leaving the unit at a temperature, which is approx. 5°C higher than at the inlet.

**Applications:**
- Indoor swimming pools, private or hotels
- Therapy pools
- Spas
- Gymnasias

**Features**

**Dehumidifier**
- Built into a strong and robust powder coated hot galvanized sheet metal cabinet
- Evaporator and condenser coils are epoxy-coated for high corrosion resistance
- Fixed to the wall by means of a wall mounting strip supplied with the unit
- Condensate outlet located at the bottom. Outlet stub can be connected to a ¾” hose
- Outside connection to mains

**Control**
- Built in electronic hygrostat and thermostat
- To establish ideal ambient sensor point (RH/t) the fan(s) run 1 minute each hour
- Integrated ON/OFF control of humidity and temperature (electric or water heating coils as accessories)
- 0-VOLT connection for alarm
- 230 V for control valve, exhaust fan and pump/boiler
- RS 485 gate for BMS (Modbus)

**Diodes**
- BLUE: Power connected, standby mode
- GREEN: Compressor ON, deicing
- YELLOW: Remote pairing mode
- RED: Errors

**Defrosting**
Active, demand-controlled defrosting is incorporated into the electronic control.

**Service**
For easy service the refrigerant circuit is supplied with a service valve. The PCB has a USB gate for history data logging for easy fault finding.
TECHNICAL DATA

Model CDP 50T
Operating range – humidity 40 – 100% RH
Operating range – temperature 10 – 36 °C
Air volume 680 m³/h
Power supply 1x230/50 V/Hz
Max. ampere consumption 6,6 A
Max. power consumption 1,5 kW
Refrigerant R407C
Quantity of refrigerant 0,9 kg
Compressor Rotary
Fan Radial
Sound level (in pool room 1 m from the wall) 44 dB(A)
Weight 66 kg
Filter G3 PPI 15
Colour (Cabinet) RAL 7035
Protection class IPX4
Corrosion protection in accordance with EN/ISO 12944-2 C4

CAPACITY CURVES

Specific energy consumption (SEC):
0,48 kWh/l at 28°C & 60% RH

INSTALLATION

CDP 40T, 50T and 70T are designed for installation in an adjacent room and are supplied with a through-the-wall duct kit with supply and return air grills (accessory).

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**Accessories**
- Wireless remote control DRC1
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans
- Through-wall duct kit with filter, extension kit and alu grill
- Duct lead-in adapter

**DIMENSIONS CDP 50T**

Drain outlet position

Duct kits CDP 50T

The duct kit includes an extension for wall thickness from 70 to 366 mm.

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wall opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDP 50T</td>
<td>616</td>
<td>1148</td>
<td>791</td>
<td>760 x 110</td>
</tr>
</tbody>
</table>

All dimensions are in mm.
Function
The CDP 70T is an energy efficient and quiet pool 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 from the drip tray to a drain. The cold, dry air is then passed over the condenser coil where it is re-heated, before leaving the unit at a temperature, which is approx. 5°C higher than at the inlet.

Applications:
- Indoor swimming pools, private or hotels
- Therapy pools
- Spas
- Gymnasias

FEATURES

Dehumidifier
- Built into a strong and robust powder coated hot galvanized sheet metal cabinet
- Evaporator and condenser coils are epoxy-coated for high corrosion resistance
- Fixed to the wall by means of a wall mounting strip supplied with the unit
- Condensate outlet located at the bottom. Outlet stub can be connected to a ¾" hose
- Outside connection to mains

Control
- Built in electronic hygrostat and thermostat
- To establish ideal ambient sensor point (RH/t) the fan(s) run 1 minute each hour
- Integrated ON/OFF control of humidity and temperature (electric or water heating coils as accessories)
- 0-VOLT connection for alarm
- 230 V for control valve, exhaust fan and pump/boiler
- RS 485 gate for BMS (Modbus)

Diodes
BLUE: Power connected, standby mode
GREEN: Compressor ON, deicing
YELLOW: Remote pairing mode
RED: Errors

Defrosting
Active, demand-controlled defrosting is incorporated into the electronic control.

Service
For easy service the refrigerant circuit is supplied with a service valve. The PCB has a USB gate for history data logging for easy fault finding.
**TECHNICAL DATA**

**Model**
- Operating range – humidity: 40 – 100% RH
- Operating range – temperature: 10 – 36 °C
- Air volume: 900 m³/h
- Power supply: 1x230/50 V/Hz
- Max. ampere consumption: 8 A
- Max. power consumption: 1,8 kW
- Refrigerant: R407C
- Quantity of refrigerant: 1,2 kg
- Compressor: Rotary
- Fan: Radial
- Sound level (in pool room 1 m from the wall): 47 dB(A)
- Weight: 77,5 kg
- Filter: G3 PPI 15
- Colour (Cabinet): RAL 7035
- Protection class: IPX4
- Corrosion protection in accordance with EN/ISO 12944-2: C4

**CAPACITY CURVES**

Specific energy consumption (SEC): 0,43 kWh/l at 28°C & 60% RH

**INSTALLATION**

*CDP 40T, 50T and 70T are designed for installation in an adjacent room and are supplied with a through-the-wall duct kit with supply and return air grills (accessory).*
## Accessories
- Wireless remote control DRC1
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans
- Through-wall duct kit with filter, extension kit and alu grill
- Duct lead-in adapter

### DIMENSIONS CDP 70T

The duct kit includes an extension for wall thickness from 70 to 366 mm.

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Wall opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDP 70T</td>
<td>950</td>
<td>1483</td>
<td>1126</td>
<td>1095 x 110</td>
</tr>
</tbody>
</table>

All dimensions are in mm.