Function
The CDP 40 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
- 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 in 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 40
Operating range – humidity 40 – 100 %RH
Operating range – temperature 10 – 36°C
Air volume 400 m³/h
Power supply 1x230/50 V/Hz
Max. ampere consumption 3,8 A
Max. power consumption 0,9 kW
Refrigerant R407C
Quantity of refrigerant 0,7 kg
Compressor Rotary
Fan Radial
Sound level (at 1 metre) 46 dB(A)
Weight 56,5 kg
Filter G3 PPI 15
Colour (Cabinet/Front) RAL 7035/9016
Protection class IPX4
Corrosion protection in accordance with EN/ISO 12944-2 C4

CAPACITY CURVES

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

INSTALLATION

CDP 40, 50 and 70 are designed for installation in the pool hall.
DIMENSIONS CDP 40

Drain outlet position

Recommended installation of CDP 40

Floor mounting kit

Accessories
- Wireless remote control DRC1
- Floor mounting kit
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans

All dimensions are in mm.

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**Function**
The CDP 50 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
- 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 in 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 50</th>
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<tbody>
<tr>
<td>Operating range – humidity</td>
<td>40 – 100 %RH</td>
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<tr>
<td>Operating range – temperature</td>
<td>10 – 36°C</td>
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<tr>
<td>Air volume</td>
<td>680 m³/h</td>
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<tr>
<td>Power supply</td>
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<td>Max. ampere consumption</td>
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<td>Max. power consumption</td>
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<td>Refrigerant</td>
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<td>Quantity of refrigerant</td>
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<td>Compressor</td>
<td>Rotary</td>
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<tr>
<td>Fan</td>
<td>Radial</td>
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<tr>
<td>Sound level (at 1 metre)</td>
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<tr>
<td>Weight</td>
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<td>Filter</td>
<td>G3 PPI 15</td>
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<tr>
<td>Colour (Cabinet/Front)</td>
<td>RAL 7035 / 9016</td>
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<td>Protection class</td>
<td>IPX4</td>
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<tr>
<td>Corrosion protection in accordance with EN/ISO 12944-2</td>
<td>C4</td>
</tr>
</tbody>
</table>

### CAPACITY CURVES

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

### INSTALLATION

CDP 40, 50 and 70 are designed for installation in the pool hall.
**DIMENSIONS CDP 50**

**Drain outlet position**

**Recommended installation of CDP 50**

**Floor mounting kit**

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**Accessories**

- Wireless remote control DRC1
- Floor mounting kit
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans

*All dimensions are in mm.*
Function
The CDP 70 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
- 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 in 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 (at 1 metre): 50 dB(A)
- Weight: 75,5 kg
- Filter: G3 PPI 15
- Colour (Cabinet/Front): RAL 7035 / 9016
- Protection class: IPX4
- Corrosion protection in accordance with EN/ISO 12944-2: C4

**CDP 70**

**CAPACITY CURVES**

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

**INSTALLATION**

CDP 40, 50 and 70 are designed for installation in the pool hall.
Accessories
- Wireless remote control DRC1
- Floor mounting kit
- Water heating coils
- Control valve for water heating coils
- Electric heating coils
- Exhaust fans

All dimensions are in mm.