

NEW
 ECO-Friendly
 Refrigerant

CDT 90 MK III
**CDT 90 MK III
 MOBILE DEHUMIDIFIER**
Function

The CDT 90 MK III 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
- New eco-friendly refrigerant that meets 2020 EU regulations
- 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

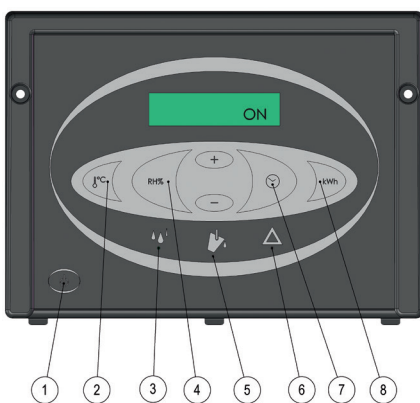
- Fitted with a drain outlet for connection to a 1/2" water hose

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.


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

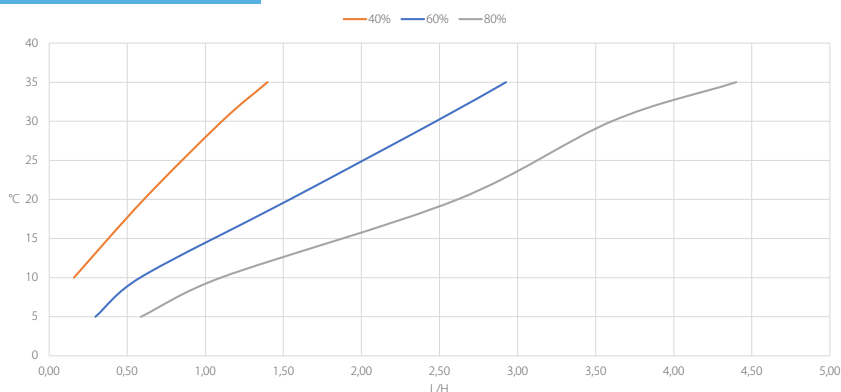
Model

Operating range – humidity
 Operating range – temperature
 Dehumidification – 20°C & 60% RH
 Dehumidification – 30°C & 80% RH
 Air volume
 Power supply
 Max. ampere consumption
 Max. power consumption
 Refrigerant
 Compressor type
 Sound level (at 1 metre)
 Colour – cover plate
 Colour – front and rear grille, cabinet
 Colour – control panel and bumpers
 Protection class
 Filter
 Wheel size
 Wheel material
 Control panel material
 Weight

CDT 90 MK III

40-100% RH
 3-35°C
 37.0 l/d
 86.5 l/d
 1000 m³/h
 230 V/50 Hz
 8.3 A
 1.9 kW
 R454C
 Rotary
 57 dB(A)
 RAL 7044
 RAL 7015
 RAL 9005
 IP X4
 PPI 15/G1
 Ø 250 mm
 PP
 ABS
 62 kg

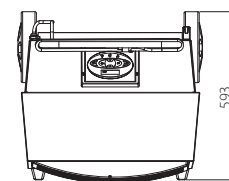
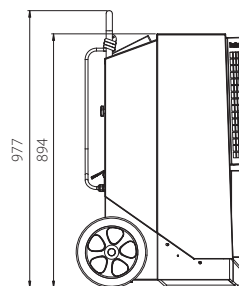
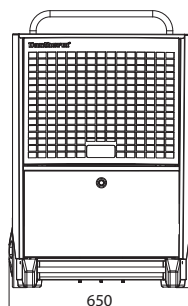
CAPACITY CURVES



Specific energy consumption (SEC)

- 0.48 kWh/l at 30°C & 80% RH
- 0.81 kWh/l at 20°C & 60% RH

DIMENSIONS



Accessories



Remote hygostat
 Remote monitoring (IMCS)
 (see separate data sheet)

Also available in this series

CDT 30
 CDT 30S
 CDT 40
 CDT 40S
 CDT 60
 (see separate data sheets)

All dimensions are in mm

ACCESSORIES CDT 30-40-60-90 MK III

Illustration	Accessory	Description	CDT type	Dantherm no.
	Hygrostat	<p>When a hygrostat is connected the dehumidifier can operate continuously dependent on the relative humidity in the room.</p> <p>Two versions are available: Hygrostat with 0.4 m cable, jack plug and fitting Hygrostat with 3 m cable and jack plug</p>	All All	396242 396241
	½" draining tap and screwed hose connector	Ball tap, brass screwed hose connector and clamp for mounting on the water container.	All	396243
	Intelligent Remote Monitoring and Control System (IMCS)	IMCS enables you to check the humidifying status in realtime from computers, smartphones and tablets. In addition, you can remotely monitor and control parameters such as power on/off, alarms, temperature and power consumption.	All	Please contact sales for more information
	Condensate pump in a cassette	<p>Cassette with built-in condensate pump.</p> <p>Vertical lift: up to 3 metres Length of tube: 10 metres</p>	CDT 30/30S CDT 40/40S/60	075616 075617
	Wall bracket	Using the wall bracket the dehumidifier can be hung on the wall.	CDT 30/30S CDT 40/40S/60	396247 396248