

NEW
 ECO-Friendly
 Refrigerant



CDT 40 MK III

CDT 40 MK III MOBILE DEHUMIDIFIER

Function

The CDT 40 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

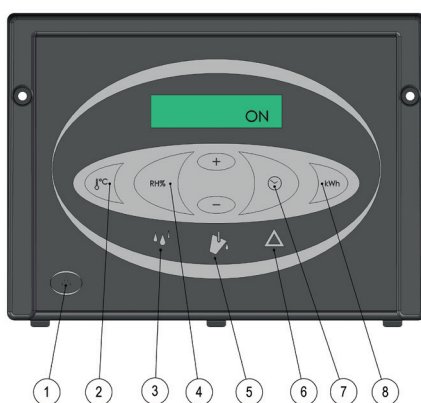
- High capacity
- Low energy consumption
- New eco-friendly refrigerant that meets 2020 EU regulations
- Strong and robust cabinet of powder coated hot galvanized steel
- Epoxy coated evaporator and condenser.
- Adjustable handle
- Plastic bumpers
- Low weight
- Stackable.
- Large wheels

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



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

Defrosting

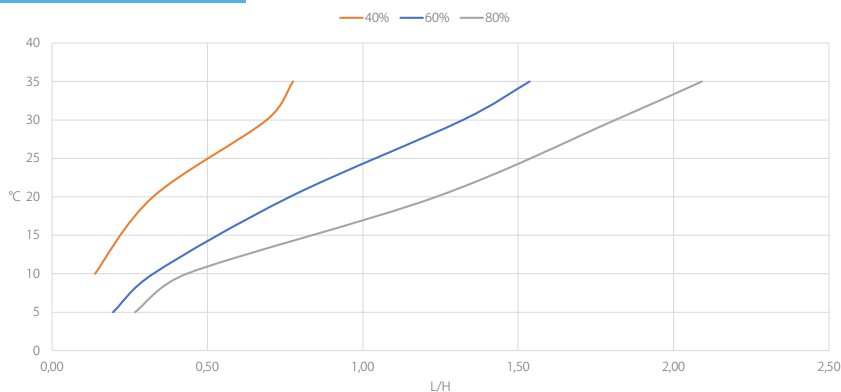
Active, demand-controlled defrosting which is activated through a temperature sensor on the evaporator. Defrosting is done by means of hot refrigerant being fed through the evaporator.



TECHNICAL DATA

Model	CDT 40 MK III
Operating range – humidity	40-100% RH
Operating range – temperature	3-35°C
Dehumidification – 20°C & 60% RH	18.4 l/d
Dehumidification – 30°C & 80% RH	43.5 l/d
Air volume	350 m ³ /h
Power supply	230 V/50 Hz
Max. ampere consumption	4.1 A
Max. power consumption	0.9 kW
Refrigerant	R454C
Compressor type	Rotary
Sound level (at 1 metre)	57 dB(A)
Water container capacity	14 litres
Colour – cover plate	RAL 7044
Colour – front and rear grille, cabinet	RAL 7015
Colour – control panel and bumpers	RAL 9005
Protection class	IP X4
Filter	PPI 15/G1
Wheel size	Ø 250 mm
Wheel and water container material	PP
Control panel material	ABS
Weight	40 kg

CAPACITY CURVES



Specific energy consumption (SEC)

- 0.44 kWh/l at 30°C & 80% RH
- 0.78 kWh/l at 20°C & 60% RH

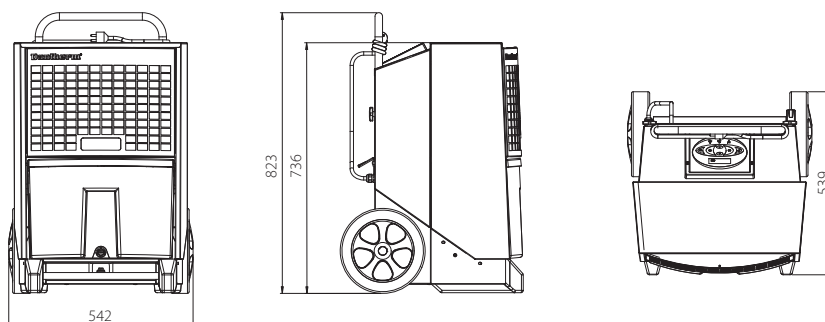
Accessories

- ½" drain outlet
- Remote hygrostat
- Wall bracket
- Remote monitoring (IMCS)
- Condensate pump in a cassette (see separate data sheet)

Also available in this series:




- CDT 30 MK III
- CDT 30 S MK III
- CDT 40 S MK III
- CDT 60 MK III
- CDT 90 MK III
- (see separate data sheets)

DIMENSIONS



All dimensions are in mm.

ACCESSORIES CDT 30-40-60-90 MK III

Illustration	Accessory	Description	CDT type	Dantherm no.
	Hygostat	<p>When a hygostat is connected the dehumidifier can operate continuously dependent on the relative humidity in the room.</p> <p>Two versions are available: Hygostat with 0.4 m cable, jack plug and fitting Hygostat 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