



**CDT**  
Mobile dehumidification

# User-friendly design with high-performance operations

Dantherm Air Handling's CDT range is the quick and easy way to get the job done. The mobile units set new standards for user-friendliness and offer a light yet robust design, making them the obvious choice for the building industry and damage service companies.

High-performance dehumidification is essential in houses that have fallen victim to damage caused by floods, fires etc. The same applies to constructions where an effective means of drying out brick or concrete walls can successfully speed up the building process. Characteristic of both scenarios is the need for dehumidifiers that are not only powerful but also mobile. The CDT range easily fulfils both requirements.

## User-friendly design

The CDT units have been designed with the user in mind. Handling and transport

have been significantly facilitated by fitting the CDT with an adjustable handle on the top back as well as a smaller, fixed handle at the bottom front. Features that need regular maintenance have been placed on the front of the unit. This includes the water container and the removable grid, allowing easy access during service. The water container features three handles, one to the front and one on either side, which ensure safe emptying of it. To further increase operating convenience the display is placed on top of the unit.

## High-performance operations

The CDT range offers capacities ranging from 200 to 700 m<sup>3</sup>/h, making the mobile units every bit as powerful as most of their stationary counterparts. The high-performance operations ensure quick and reliable results – and minimize the long-term damage caused, for example, by flooding.

## Easy and safe transport

Fitted with big rubber wheels, the CDT units are easily moved from one room to the next, up and down stairs and across





*CDT 30 S and CDT 40 S are fitted with a 1 kW heating element and a high pressure fan allowing connection of two flexible hoses Ø100, each up to 5 m long.*



*Big rubber wheels ensure safe and easy manoeuvring.*



*An adjustable handle facilitates transport and a user-friendly display on top of the unit increases operating convenience.*

seemingly impassable areas. To make the units as narrow as possible – and thus more manoeuvrable – the major part of the wheels are hidden behind the front of the unit. Still, the rubber wheels are the outermost part of the unit, protecting doors and panels from unnecessary knocks. During transport from one job to the next or in between jobs the CDT units can be stacked, taking up only limited space.

#### How the CDT works

An integral fan draws humid air into the dehumidifier through a filter. Here the air passes through an evaporator, where the water vapour condenses on a cold surface and falls into the water container. The cooled air then passes through a condenser and picks up not only the heat equivalent of the previous cooling, but also the heat equivalent of the electrical input to the unit. Consequently,

the air leaves the unit drier and several degrees warmer. The repeated circulation of air through the unit reduces the relative humidity, giving very rapid but gentle drying.

#### Applications

- Damage service
- New construction
- Waterworks
- Structural renovating of buildings

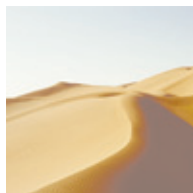
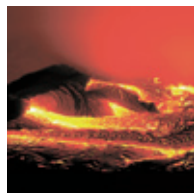
*Technical data for CDT dehumidifiers*

	Dehumidification capacity at 30°C/80% RH	Air flow	Operating range humidity	Operating range temperature	Height with handle down	Height with handle up	Width	Depth	Weight	Water container
	l/24h	m <sup>3</sup> /h	%RH	°C	mm	mm	mm	mm	kg	l
CDT 20	20	250	40 - 100	3 - 30	740	1023	412	505	28	7
CDT 30	30	250	40 - 100	3 - 30	740	1023	412	505	32	7
CDT 30 S	30	350*	40 - 100	3 - 30	740	1023	412	505	34	7
CDT 40	39	350	40 - 100	3 - 30	825	1190	535	535	43	14
CDT 40 S	39	560*	40 - 100	3 - 30	825	1190	535	535	46	14
CDT 60	62	725	40 - 100	3 - 30	905	1270	535	535	47	14
CDT 90	94	1000	40 - 100	3 - 30	984	984	650	610	62	-

\* Without hoses.



## Comfortable surroundings in any climate



Since 1958 Dantherm Air Handling has developed and produced climate control and air handling solutions that ensure optimum conditions for people and sensitive equipment alike. No climate is too extreme for us to handle – from the bitter cold at the North and South Poles to the searing heat of the Sahara.

Our core business areas are dehumidification, heating, air conditioning, ventilation and electronics cooling. Innovative, durable and cost-efficient products have secured us a position as a leading global manufacturer of stationary and mobile climate control units. And we are forever pursuing new techniques that will improve our solutions and ultimately your projects.

Dantherm Air Handling's headquarters are situated in Denmark with subsidiaries in Norway, Sweden, the United Kingdom, the United States and China – and an extensive European dealer network.

Dantherm Air Handling is a wholly-owned subsidiary of Dantherm A/S.

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