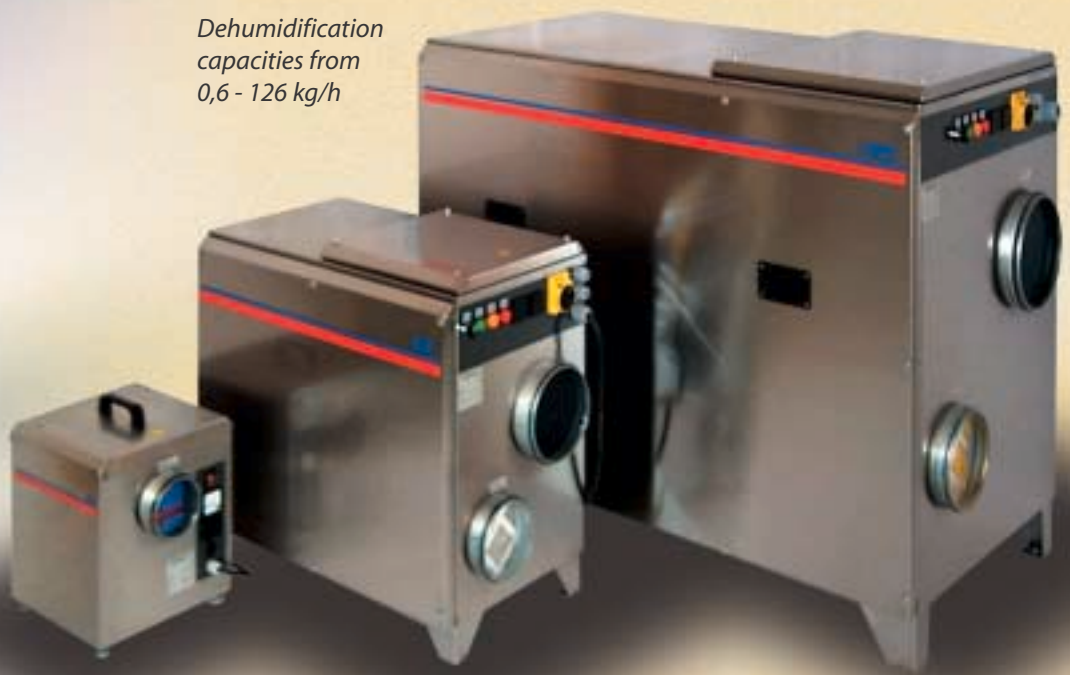




MUNKEBO

*Dehumidification  
capacities from  
0,6 - 126 kg/h*



DEHUMIDIFIERS



DehuTech  
Dehumidifiers

# Dehumidification

## Sorption dehumidifiers

The dehumidifier is divided into zones. In one zone the rotor adsorbs moisture from the process air and dry air exits the dehumidifier in a continuous process.

In the second zone, the regeneration zone, the reactivation air is heated to dry the rotor. The adsorbed water is exhausted as warm wet air.

Some dehumidifiers have a purge zone, which decreases the power consumption and after-cooling requirements.

Sorption dehumidification gives an efficient dehumidification, even at temperatures well below freezing point.

## Dimension – Weight

Type	Length mm	Width mm	Height mm	Weight kg
<b>DT-160</b>	315	315	297	14
<b>DT-250</b>	335	350	407	18
<b>DT-320</b>	335	350	407	19
<b>DT-400</b>	500	425	518	22
<b>Dt-600</b>	800	465	775	60
<b>DT-1400</b>	1410	775	1165	175
<b>DT-2400</b>	1410	775	1165	190
<b>DT-3400</b>	1410	775	1165	195
<b>DT-6000</b>	1850	1150	1800	800
<b>DT-8000</b>	2000	1350	2050	1000
<b>DT-13000</b>	2250	1600	2300	1300
<b>DT-19000</b>	2400	1900	2600	1700

## Technical Data

Type	Dehumidification capacity <sup>1)</sup> kg/h	Dry air flow <sup>2)</sup> m <sup>3</sup> /h	Power consumption kW
<b>DT-160</b>	0,6	160	1,0
<b>DT-250</b>	1,1	250	1,4
<b>DT-320</b>	1,4	320	1,8
<b>DT-400</b>	1,5	400	2,3
<b>Dt-600</b>	4,1	600	7,5
<b>DT-1400</b>	9,7	1400	15,0 <sup>3)</sup>
<b>DT-2400</b>	16,4	2400	26,0 <sup>3)</sup>
<b>DT-3400</b>	15,4	3400	26,0 <sup>3)</sup>
<b>DT-6000</b>	39,0	6000	53,0 <sup>3)</sup>
<b>DT-8000</b>	53,0	8000	83,0 <sup>3)</sup>
<b>DT-13000</b>	86,0	13000	132,0 <sup>3)</sup>
<b>DT-19000<sup>4)</sup></b>	126,0	19000	193,0 <sup>3)</sup>

<sup>1)</sup>At +20°C and 60% RH.

<sup>2)</sup>Flow at density 1,2 kg/m<sup>3</sup>.

<sup>3)</sup>Alternatively by electrical-, steam- or gas regeneration.

<sup>4)</sup>Larger sizes with dry air flow up to 60 000 m<sup>3</sup>/h produced by order.



## Dehumidifiers

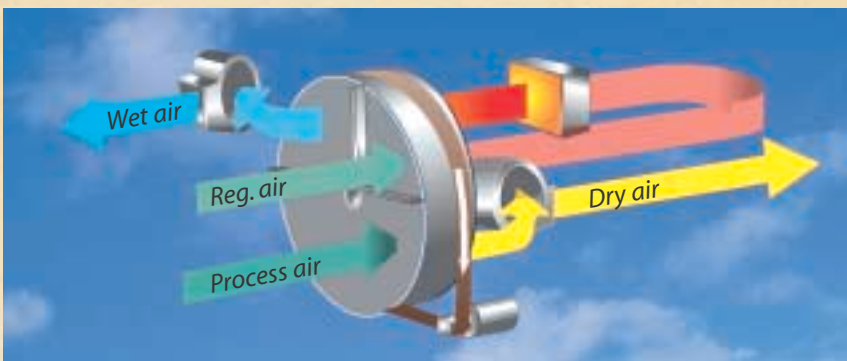
Munkebo Production A/S is responsible for sales of dehumidifiers from the Swedish company DehuTech AB. The product range consists of:

*Sorption Dehumidifiers* for dehumidification of air, also at low temperatures and low water content.

The dehumidifiers are equipped with a Swedish produced adsorption rotor. The rotor withstands high humidity and can be washed.

*Refrigeration Dehumidifiers* for drying of air at temperatures above approximately +12°C.

Examples of utilization: Industrial- and drying processes, storage facilities, archives, skating rinks, garages, basements, waterworks, water towers, water treatment plants, windmills and power plants, plus drying of water damages.



Principle, sorption dehumidification

## Refrigeration dehumidifiers

Unit for dehumidification of high humid rooms.

The unit is equipped with compressor, evaporator, condenser, ventilator and filter. The enclosure is enamelled steel plates.

The moist air passes through the evaporator, where the water is separated. Hereafter the air is heated in the condenser. The heat released during the dehumidification process is thereby fed back into the room via the dry air.

### Dimension – Weight

Type	Length mm	Width mm	Height mm	Weight kg
<b>S 320</b>	335	322	636	31
<b>D 850</b>	660	295	742	36
<b>D 1000</b>	1130	260	680	58
<b>12 DSR</b>	665	660	453	68
<b>20 DSR</b>	665	660	453	78

### Technical Data

Type	Dehumidification capacity <sup>1)</sup> kg/per day	Dry air flow <sup>2)</sup> m <sup>3</sup> /h	Power consumption kW
<b>S 320</b>	10,0	190	0,32
<b>D 850</b>	36,0	500	0,90
<b>D 1000</b>	57,0	650	1,26
<b>12 DSR</b>	57,0	1300	1,80
<b>20 DSR</b>	77,0	1500	2,40

<sup>1)</sup> At +25°C and 70% RH



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