



Freezer Room Dehumidifiers from DehuTech

DehuTech has developed a range of special air dehumidifiers that can be used to dehumidify the air inside freezer rooms. There are two different versions, one version for installation outside the freezer room and one for installation inside the freezer room. The outside (and outdoor) version has a 100 mm insulated casing in order to reduce the risk of condensation/icing on the casing, while the inside version has a 30 mm insulated casing. Both versions have been optimized to work in freezer room temperatures.

DehuTech units up to size DT5800 have the casing made of stainless steel.

For example, the energy consumption for the DT-3600 freezer room version is 55% lower than for some of the comparable units on the market.



DT-3600 inside freezer version



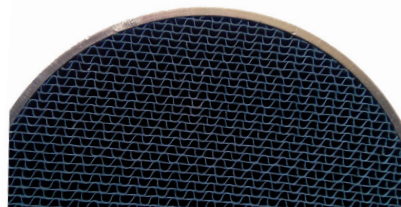
DT-3600 outside freezer version

The outside version can also be fitted with an air-to-air heat exchanger which is mounted on the dehumidifier casing. The heat exchanger will drastically reduce the energy consumption of the unit and since it will pre-heat the reactivation air, the life time of the reactivation filter will be increased.

*The benefits of using a desiccant dehumidifier **DehuTech** in a freezer room:*

- Increased safety for workers, no slippery/icy floors, see through plastic curtains.*
- Increased product quality, no ice on the product.*
- Increased lifetime of electronic systems and lighting*
- Decreased energy consumption, no or reduced need for defrosting the evaporators.*
- Decreased risk of malfunction when using automatic doors.*

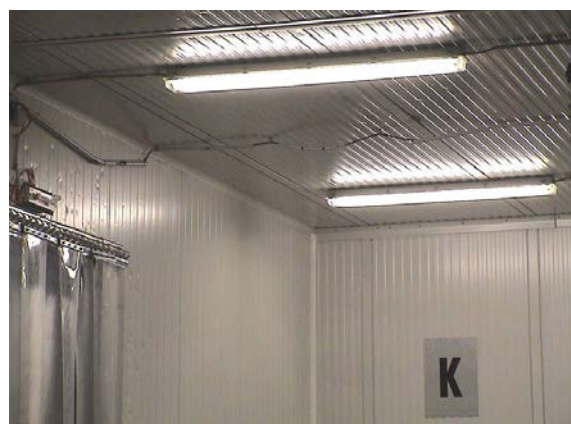
TECHNICAL DATA



Unit Model	DT-1500	DT-2600	DT-3600	DT-4000	DT-5800 (inside version only)
Dry air flow	1500 m ³ /h	2600 m ³ /h	3600 m ³ /h	4000 m ³ /h	5800 m ³ /h
Regeneration air flow	250 m ³ /h	300 m ³ /h	350 m ³ /h	600 m ³ /h	1000 m ³ /h
Total power connection	6,1 kW	10,5 kW	11,9 kW	18,8 kW	28,8 kW
Total power connection (with heat recovery)	3,4 kW	7,8 kW	9,2 kW	10,7 kW	N/A
Maximum capacity at -18°C	1,25 kg/h	2,45 kg/h	2,94 kg/h	3,21 kg/h	4,08 kg/h
Dimensions, inside version	1199 x 807 x 1170 mm	1199 x 807 x 1170 mm	1199 x 807 x 1170 mm	1199 x 807 x 1170 mm	1800 x 1160 x 1221 mm
Dimensions, outside version	1339 x 947 x 1245 mm	1262 x 947 x 1245 mm	1262 x 947 x 1245 mm	1262 x 947 x 1245 mm	N/A



Evaporator with surface temperature -32°C completely dry & without any ice.



Dry freezer, no icing.

Installation outside freezer room



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