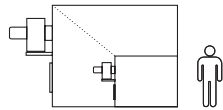


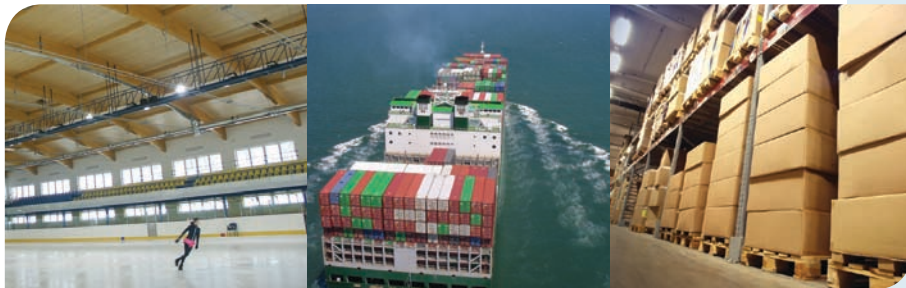


It's in the air ...

... quality does indeed
make a difference!



TYPE
CRT3000
- CRT25000



References
Ice rinks
Cargo on ships
Dry air storage
Power stations
Corrosion protection
Shipyards
Off shore installations

TYPE CRT3000 - CRT25000

Description

Desiccant dehumidifiers in the CRT range, are bigger dehumidifiers designed for room air dehumidification and in a quality that matches the CRP range – our flagship.

The chosen proportion between rotor dimension, air flows and connected load, results in dehumidifiers with very high energy efficiency.

The advantages of this design are considerable, particularly at low temperatures and low %RH.

Features

- Cabinet manufactured in stainless steel
- High capacity kg/h at normal temperatures and %RH
- Economic operation, in particular at low temperatures and low %RH
- External pressure for process air adapted to the existing installation
- Cabinet with insulated inlet plenum for process air
- Pocket filters for process air inlet are standard
- Stepless temperature control ensures constant reg. air temperature
- Stepless capacity control by using our DCC control and by adjusting the electrical components (accessories)
- High performance desiccant rotor of silica gel, alternatively molsiev or LiCl
- Efficient rotor gaskets with long durability
- Service doors in front of all internal components
- Operation and service from one side of the cabinet
- Regeneration by electricity, steam or gas

Applications

This range of dehumidifiers has a variety of applications, among others:

- Dry air storage in general: Humidity control in unheated storage buildings
- Internal corrosion protection of machinery parts, bridges etc. with dry air
- Cold stores and freezers: Reduction of ice on evaporators, at doors, on ceilings and on goods
- Process and production rooms with low %RH in the pharmaceutical and the food industries.
- Water work buildings (including open top filters)
- Ships, protection of cargo
- Shipyards, at sandblasting and painting.
- Ice rinks

Controls

All Cotes humidity controls, DR10, DA20, DH24, DCC, can be used for the CRT dehumidifiers. The choice depends on the degree of accuracy needed and external user information.

Together with the DCC controller, the dehumidifier can be delivered with stepless capacity control preparing the dehumidifier for control signal 0-10V and 4-20 mA (accessory).

Technical data

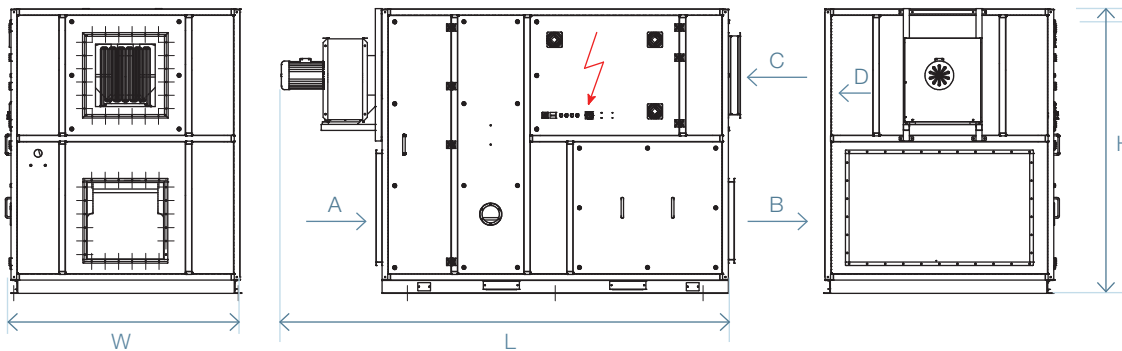
Bigger types: Can be delivered.
 External pressure for dry air 300-1500 Pa,
 adjustment to existing installation.
 Fan and motor size (dim. of dry air outlet)
 might have to be modified.
 External pressure for reg.air, in general 300 Pa.
Regeneration: Model CRT-E with electricity,
 CRT-D with steam, CRT-G with gas.
 Subject to modification.

*) A = for electric regenerated models.

Type	Dry air nominal m³/h	Reg. air Nominal m³/h	Voltage/ Phases	Connected load kW	Reg. air Heater kW	External Fuses*) A	Capacity at 20°C, 60 %RH Kg/h
CRT3000	3000	720	400/3Ph+PE	24,6	22	50	16,6
CRT3000/25	3000	850	400/3Ph+PE	28,6	26	50	17,6
CRT6000	6000	1400	400/3Ph+PE	50,1	45	80	32,4
CRT9000	9000	1900	400/3Ph+PE	65,6	59	100	44,3
CRT12000	12000	2600	400/3Ph+PE	93,7	84	160	62,6
CRT18000	18000	4000	400/3Ph+PE	149,0	135	250	97,2
CRT25000	25000	5700	400/3Ph+PE	199,0	180	315	123,0

Dimensions & weight

Type	L mm	W mm	H mm	Process air inlet A mm	Dry air outlet B mm	Reg. air inlet C mm	Reg. air outlet D mm	Weight kg
CRT3000	2748	1000	1560	400 x 600	286 x 286	300 x 300	146 x 183	580
CRT3000/25	2748	1000	1560	400 x 600	286 x 286	300 x 300	146 x 183	580
CRT6000	2802	1200	1560	400 x 800	358 x 358	400 x 500	176 x 224	760
CRT9000	3003	1400	1760	500 x 1000	450 x 450	497 x 497	176 x 224	900
CRT12000	3124	1600	1960	700 x 1200	504 x 504	600 x 600	176 x 252	1200
CRT18000	3463	1900	2360	900 x 1500	644 x 644	650 x 650	223 x 284	1500
CRT25000	4002	2100	2723	900 x 1500	712 x 712	800 x 800	453 x 453	2500



A: Process air inlet
 B: Dry air outlet
 C: Reg. air inlet
 D: Reg. air outlet

Distributor