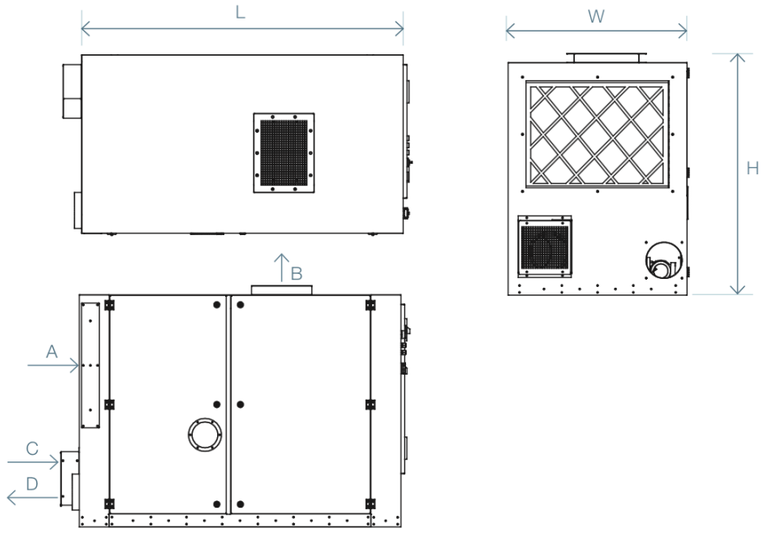
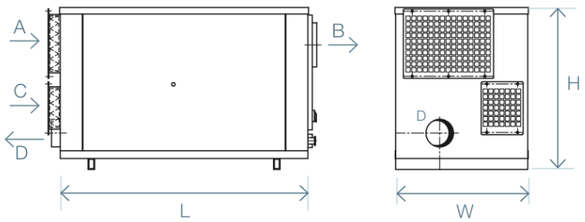
COTES DEHUMIDIFIERS
CR1400TI–CR5000TI

TECHNICAL DATA

CR3200-CR5000TI



1400TI



A PROCESS AIR INLET
B DRY AIR OUTLET
C REG. AIR INLET
D REG. AIR OUTLET

TECHNICAL DATA						
TYPE	DRY AIR NOMINAL m^3/h	REG. AIR NOMINAL m^3/h	VOLTAGE/ PHASES V	CONNECTED LOAD kW	EXTERNAL FUSES A	CAPACITY AT INLET -25°C Kg/h
CR1400TI	1400	250	400/3Ph+PE	11,8	20A	0,6
CR3200TI	3200	620	400/3Ph+PE	24,1	50A	1,5
CR3800TI	3800	700	400/3Ph+PE	29,2	63A	1,65
CR5000TI	5000	870	400/3Ph+PE	33,1	63A	2,2

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	WEIGTH kg
CR1400TI	1350	750	860	295 x 566	Ø 200	Ø 160	Ø 160	205
CR3200TI	1955	1000	1355	800 x 600	256 x 361	Ø 200	Ø 200	460
CR3800TI	1955	1000	1355	800 x 600	256 X 361	Ø 200	Ø 200	460
CR5000TI	1955	1000	1355	800 x 600	256 X 361	Ø 200	Ø 200	495

COTES DEHUMIDIFIERS
CR1400TI–CR5000TI

IDEAL FOR

> Freezer facilities
> Cold stores

Description
Cotes CR-TI dehumidifiers are special versions of standard Cotes equipment, configured to withstand exceptionally low temperatures, down to as low as -25° C.

Features
> Can be installed in freezer facilities, etc. where the temperatures are as low as -25° C
> Prevents the formation of ice on the walls, floor and ceiling of the facility, as well as on the goods stored within it
> Prevents slippery, dangerous floors within the facility
> Reduces the formation of ice on any evaporator mounted within the facility
> Fitted with special heating elements that prevent condensation forming in the inlet duct for regenerating air (leading to the formation of ice)
> The air flow, rotor size and heating effect are configured for the best possible moisture removal capacity under extremely cold conditions
> Stepless control of the temperature of regenerating air
> Service-friendly design that keeps maintenance costs down

Applications
Cotes CR-TI dehumidifiers are designed to help prevent ice forming within freezer facilities, cold stores and other places where temperatures are particularly low.

In such conditions, ice often forms around places such as doors and entranceways, and has to be removed manually or using special equipment. The combination of low temperatures and moisture in the air can also result in ice forming on the evaporator part of the refrigeration system. This significantly reduces its capacity, and also increases operating costs due to the additional energy required to run the evaporator.

In any freezer facility, ice affects the quality and integrity of the goods stored there. In addition, any ice on the floor can easily become a safety risk. Injuries due to falls, as well as damage caused by vehicles or equipment skidding or sliding, can be both dangerous and extremely costly. Cotes CR-TI dehumidifiers are the most cost-effective way to tackle all these problems.

Controls
Cotes recommends the use of Cotes DA20 and DCC electronic control systems with CR-TI dehumidifiers. Both models of control system are equipped with a separate sensor placed inside the freezer facility. The operating panel for the control unit can be mounted outside the cold space, as required.

Recommended air volumes
Recommended maximum volume of air processed:
CR1400TI: 3500 m^3
CR3200TI: 10000 m^3
CR3800TI: 12000 m^3
CR5000TI: 15000 m3

These figures are only guidelines. The actual volume of air that can be processed by each Cotes dehumidifier depends on parameters that include:
> the number of doors/gates and other openings in the structure
> how often such doors/gates are opened, and for how long
> whether or not door curtains, air curtains, etc. are fitted key parameters for the air outside the facility, including both weather and seasonal variations.

TALK TO US ABOUT WHAT'S POSSIBLE

COTES A/S DENMARK +45 5819 6322 SALES@COTES.COM **COTES.COM**