

## ISOTHERMAL DEHUMIDIFIER



### Product description

The floor-standing DeAir.CRE isothermal dehumidifiers, consisting of 2 models: CRE-300 and CRE-600, are produced by *DeAir Joint Stock Company*, and specifically designed to control humidity without increasing temperature. The inlet temperature remains the same as the outlet, and in some cases, it may even reduce by 2°C to 3°C.

The DeAir.CRE is engineered to maintain humidity levels ( $\geq 40\%$ ) while removing the heat generated during the dehumidification process, ensuring maximum efficiency and energy savings. DeAir offers a wide range of dehumidifiers for various industrial applications. For further information or assistance with the DeAir.CRE, please contact your nearest DeAir office or authorised agents.

Isothermal dehumidifiers are commonly used to replace conventional units in temperature-controlled environments. As the DeAir.CRE does not raise room temperature, there is no need to supplement the air conditioner's cooling capacity. This makes the machine ideal for industries such as pharmaceuticals, electronics, food processing, confectionery, and textiles, both in new or upgraded facilities.

Air supplied to the DeAir.CRE unit should not pass through environments containing solvents, explosive materials, or chemical contaminants (e.g., acids, bases). To ensure proper functioning, all contaminants must be avoided, and additional filtration systems should be installed where necessary.

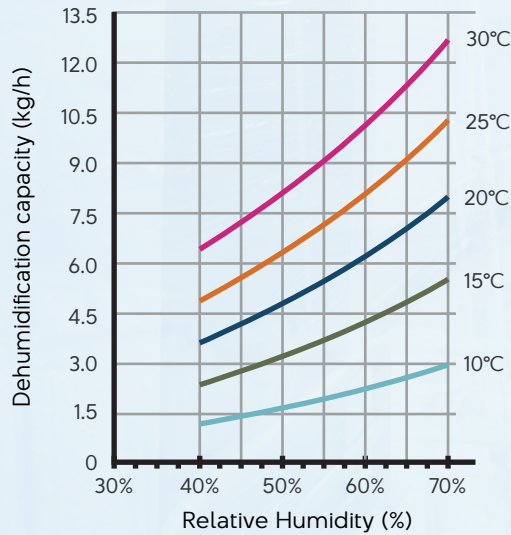
The DeAir.CRE isothermal dehumidifier is designed for indoor installation. If installed outdoors, it must be sheltered by a roof to protect the unit from rainwater damage.



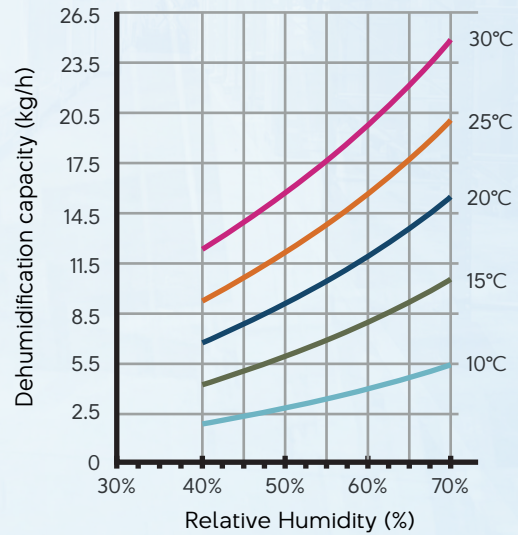
## Specifications (DeAir.CRE)

Model	CRE-300	CRE-600
Operating temperature range (°C)	5-40	
Dehumidification capacity (kg/day) @30°C/70%	300	600
Airflow rate (CMH)	3,000	6,000
Noise (dBA)	59	65
Refrigerant	R410A	
Refrigerant charge (kg)	1.9	4.3
Power source (V/Ph/Hz)	380/3/50	
Power consumption (kW)	4.6	9.2
External static pressure (Pa)	200	
Dehumidifier dimension (WxDxH) (mm)	780x480x1,650	1,250x600x1,800
Heat exchange dimension (WxDxH) (mm)	1,015x580x1,015	1,250x830x1,250
Dehumidifier net weight (kg)	160	250
Heat exchange net weight (kg)	70	100

## Dehumidification charts



CRE-300



CRE-600

The information in this leaflet is subject to modify without prior notice



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