



PRODUCT DESCRIPTION

DeAir.CRE isothermal dehumidifier is one of products of **DeAir Joint Stock Company**.

DeAir.CRE isothermal dehumidifier is a designed device to control humidity but does not increase the temperature, the inlet temperature is equal to the outlet one, in some cases it can be reduced by 2°C to 3°C.

The information in this document is subject to change without notice.

DeAir.CRE isothermal dehumidifier is designed to control humidity ($\geq 40\%$) and remove heat generated during dehumidification, aiming for maximum efficiency, and energy savings. **DeAir** manufactures a wide range of products for a variety of applications. Please contact your nearest office or authorized agent if you have any questions about the **DeAir.CRE** device.

Isothermal dehumidifiers are widely used to replace conventional dehumidifiers in temperature controlled areas. The isothermal dehumidifier will not increase the room temperature so there will be no need to supplement the cooling capacity of the air conditioner. The machine is used in the pharmaceutical, electronic, food, confectionery, garment industries... both new or upgraded factories.

Air supplied to the **DeAir.CRE** device should not pass through environments containing solvents, explosives, contaminants or chemicals (eg acids, bases, etc.). All contaminants should be avoided, filtration systems should be additionally installed.

DeAir.CRE isothermal dehumidifier is installed indoors. In case of outdoor installation, there must be a roof to prevent rainwater from damaging the machine.

SPECIFICATIONS – CEILING SERIES

Model	CRE-50CL	CRE-100CL	CRE-150CL	CRE-300CL	CRE-600CL
Airflow (CMH)	450	1200	1500	3000	6000
Dehumidification capacity (L/D)	50	100	150	300	600
Operation temperature range (°C)	5-40				
Power consumption (kW)	0.78	1.25	1.7	5.85	9.0
Power supply (V/Ph/Hz)	220/1/50			380/3/50	
Refrigerant	R410A/R407C				
Refrigerant charge (kg)	0.96	1.56	1.68	1.96	4.73
Noise (dB)	≤55			≤72	
External static pressure (Pa)	100			200	
Drain output (mm)	D21				
Dimension dehumidifier section (mm)	850x440x400	985x575x600	985x575x600	1100x900x700	1100x1280x700
Dimension heat exchange section (mm)	440x330x440	480x430x480	480x430x480	1015x580x1015	1250x830x1250
Copper pipe connect (mm)	6.0	8.0	8.0	12.7	12.7
Net weight dehumidifier section (kg)	34	54	60	150	220
Net weight heat exchange section (kg)	20	25	27	70	100

DEHUMIDIFIER CAPACITY CHART

