



DeAir.CRE Ceiling-Mounted Isothermal Heat-Pump Dehumidifier



Product Description

- The **ceiling-mounted DeAir.CRE isothermal heat-pump dehumidifier** from DeAir is designed to control humidity without raising air temperature. The outlet air temperature matches the inlet, and can even be 2-3°C cooler.
- The **DeAir.CRE** maintains humidity ($\geq 40\%$) by removing the heat generated during dehumidification, ensuring maximum efficiency and energy savings. For information or support, please contact your local DeAir office or authorized agent.
- Ideal for temperature-controlled environments, the **DeAir.CRE** replaces conventional units without needing supplemental AC cooling. This makes it perfect for industries like pharmaceuticals, electronics, food processing, and textiles in new or upgraded facilities.
- Supplied air must be free of solvents, explosives, or chemical contaminants (e.g., acids, bases). To ensure stable operation, contaminants must be avoided and additional filtration installed where necessary.
- This unit is designed for indoor installation. If installed outdoors, it must be sheltered from rain and weather.



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Model	Dehumidification Capacity
DeAir.CRE-60CL	60 kg/day
DeAir.CRE-100CL	100 kg/day
DeAir.CRE-150CL	150 kg/day
DeAir.CRE-300CL	300 kg/day
DeAir.CRE-600CL	600 kg/day



Technical Specifications

Model		DeAir.CRE-60CL	DeAir.CRE-100CL	DeAir.CRE-150CL	DeAir.CRE-300CL	DeAir.CRE-600CL
Operating Temperature	°C	15-60	15-60	15-60	15-60	15-60
Dehumidification Capacity @30°C/80%	kg/day	60	100	150	300 @30°C/70%	600 @30°C/70%
Airflow	CMH	400	1,200	1,500	3,000	6,000
Noise Level	dBA	55	57	57	59	65
Refrigerant Type		R410A				
Refrigerant Charge	kg	0.8	1.3	1.4	1.9	4.3
Power Supply	V/Ph/Hz	220/1/50			380/3/50	
Power Consumption	kW	0.86	1.65	1.73	5.85	9
External Static Pressure	Pa	200	200	200	200	200
Dehumidifier Dimensions (W x D x H)	mm	850x440x400	985x575x600	985x575x600	1,100x900x700	1,280x1,100x700
Heat Exchanger Dimensions (W x D x H)	mm	440x330x440	480x430x480	480x430x480	1,015x580x1,015	1,250x830x1,250
Dehumidifier Weight	kg	31	51	61	150	200
Heat Exchanger Weight	kg	20	25	27	70	100

- **The DeAir.CRE Isothermal Heat-Pump Dehumidifier** is a unique DeAir product, standing out for its precise, **simultaneous control of both humidity and temperature**. This is its key differentiator from other conventional dehumidifiers on the market.
 - * For dehumidifiers with a capacity of less than 150L/day, the duct length must be less than 3m. For dehumidifiers with a capacity of more than 150L/day, the duct length must be less than 5m.
 - * Industrial dehumidifiers operating in environments between 15-18°C must be equipped with an additional defrosting unit for optimal dehumidification.
 - * Noise level measured at a distance of 3m.