



DeAir.CRE Floor-Standing Isothermal Heat-Pump Dehumidifier



Product Description

- The **floor-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.



DeAir.CRE Floor-Standing Isothermal Heat-Pump Dehumidifier

Model	Dehumidification Capacity
DeAir.CRE-300	300 kg/day
DeAir.CRE-600	600 kg/day
DeAir.CRE-1200	1200 kg/day



Technical Specifications

Model		DeAir.CRE-300	DeAir.CRE-600	DeAir.CRE-1200
Operating Temperature	°C	15-60	15-60	15-60
Dehumidification Capacity @30°C/70%	kg/day	300	600	1200
Airflow	CMH	3,000	6,000	12,000
Noise Level	dBA	59	65	≤72
Refrigerant Type		R410A		
Refrigerant Charge	kg	1.9	4.3	9.5
Power Supply	V/Ph/Hz	380/3/50		
Power Consumption	kW	4.6	9.2	18.4
External Static Pressure	Pa	200	200	200
Dehumidifier Dimensions (W x D x H)	mm	780x480x1650	1,250x600x1,800	1,750x800x1,800
Heat Exchanger Dimensions (W x D x H)	mm	1,015x580x1,015	1,250x830x1,250	1,750x1,000x1,300
Dehumidifier Weight	kg	160	250	400
Heat Exchanger Weight	kg	70	100	150

• **The DeAir.CRE Isothermal Heat-Pump Dehumidifier** is manufactured by DeAir Joint Stock Company. It is a specialized solution for controlling humidity without increasing air temperature. The air temperature at the outlet remains almost constant compared to the inlet, and under certain conditions can even be 2°C to 3°C lower.

* 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.