

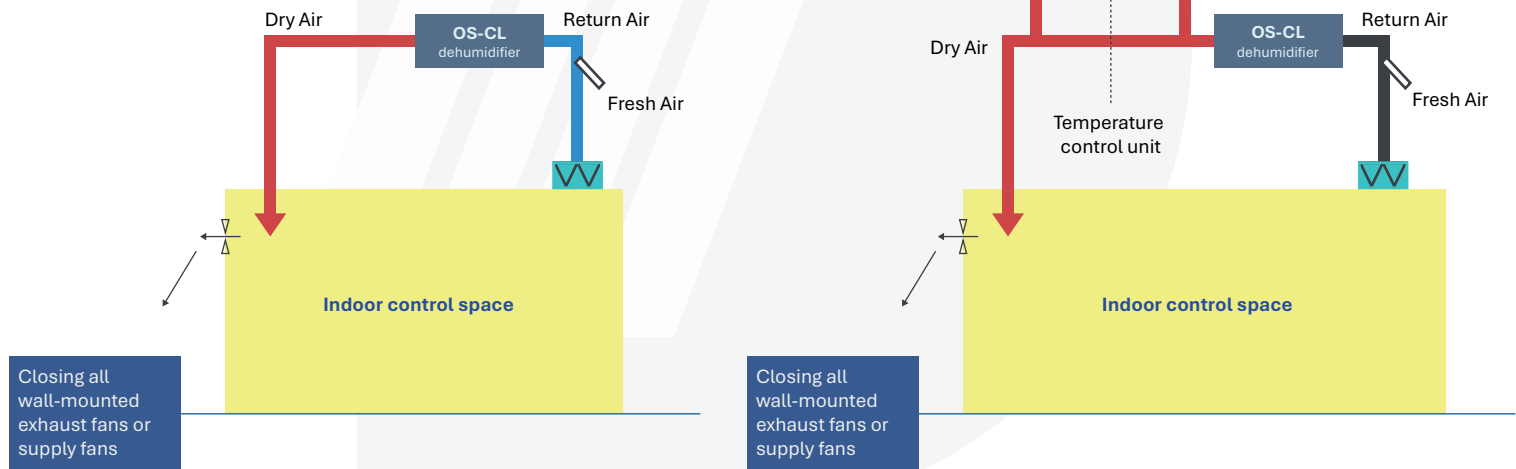
OLMAS

CEILING MOUNTED DEHUMIDIFIER

Model: OS-25CL, OS-60CL, OS-90CL,
OS-138CL, OS-168CL, OS-1000CL

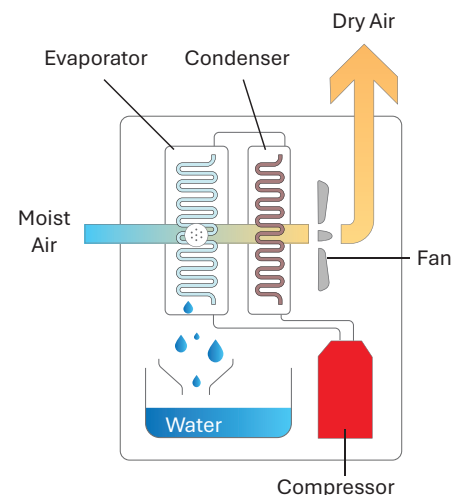


Installation instructions



Operating principle of condensing dehumidifier

- First, the centrifugal fan draws humid air into the unit. At the evaporator coil, the air is cooled below its dew point, causing moisture to condense and drain away. The now-cooled air then passes through the condenser coil to be reheated. Finally, the warm, dry air exits, enters the target area, and continues the dehumidification cycle.
- For enhanced efficiency and durability, integrate the following: a pre-filter before the evaporator to clean the air and prevent clogging; a defrost function to remove frost buildup on the coil in low temperatures; and an automatic humidity controller to self-regulate the dehumidifier and maintain the desired humidity.





CEILING MOUNTED DEHUMIDIFIER

Technical Specifications

Model		OS-25CL	OS-60CL	OS-90CL	OS-138L	OS-168CL	OS-1000CL
Operating Temperature	°C	15-38	15-38	15-38	15-38	15-38	15-40
Dehumidification Capacity (30°C, 80%)	l/day	25	60	90	138	168	1000
Air Flow	CMH	180	550	1000	1300	1800	12000
Power Consumption	W	180	800	1000	1200	2800	19000
Power Source	V/Ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50	380/3/50	380/3/50
Refrigerant Charge	-	R134A	R134A	R134A	R134A	R134A	R410A
Noise Level		≤45	≤45	≤55	≤55	≤65	≤72
Dimensions (W x D x H)	mm	685x310x211	830x490x370	900x640x470	900x640x470	1050x700x700	2,230x1,100x900
Weight	kg	16	35	49	53	100	420
Manufacturing	-	China					
Warranty	month	24					
Distribution	-	DeAir joint stock company					

Unlike traditional floor-standing dehumidifiers, **ceiling-mounted Olmas dehumidifiers** are specifically designed for fixed installation on the ceilings of large spaces. This design saves space and ensures even distribution of dry air, making them ideal for industrial environments like **factories, warehouses, laboratories, supermarkets, hospitals, hotels, and projects prioritizing aesthetics.**

In industrial settings, ceiling-mounted dehumidifiers offer a distinct advantage by completely freeing up floor space, a critical factor in already crowded factories or warehouses. In contrast, floor-standing units, while flexible for moving to localized humidity hotspots, occupy space and can obstruct pathways or production workflows. Furthermore, ceiling-mounted units typically provide more uniform humidity control on a large scale due to their high, unobstructed installation, whereas the airflow from floor-standing models can be limited by machinery and goods.

* For dehumidifiers with a capacity of less than 150L/day, the duct must be less than 3m. For dehumidifiers with a capacity of over 150L/day, the duct must be less than 5m.

* Industrial dehumidifiers operating in an environment between 15-18°C must be equipped with an additional defroster for the dehumidifier to work properly.

* Noise level measured at a distance of 3m