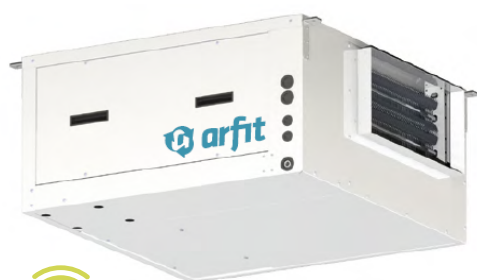


DOS



Plug & Play


Equipment
with control


Display

DESCRIPTION

Domestic dehumidifier, DOS model, supplied as standard with advanced control, fully autonomous and designed for wall or false ceiling installation in humid environments, such as swimming pools, museums, libraries and archives. In these cases, installation requires ductwork, supply and return air grilles. It is fully autonomous in humidity management: the integrated control reads the ambient humidity and activates the dehumidification process when required.

Polyester-coated structure for corrosion resistance and heat exchangers with anti-corrosion treatment. Removable front panel for full access to the unit, ensuring simple and fast maintenance. Screws and fastening systems in non-oxidizing materials, stainless steel or carbon steel with surface treatment. Stainless steel condensate tray.

Available in 7 sizes with the possibility of installation within the conditioned space or in an adjacent area.

ADVANTAGES

- Direct installation in the conditioned space.
- Advanced integrated control.
- Fully autonomous humidity management.
- Possibility of integrating Be.On module with direct cloud connection and Be.Smart monitoring.

ACCESSORIES

- Epoxy coil coating
- Silent version
- Electrical heaters

COMPONENTS

FAN

Single-inlet electronic centrifugal fan with plastic impeller, providing higher corrosion resistance and significant noise reduction, improving acoustic comfort.

HOT WATER COIL

Composed of a hot water post-heating coil and a 3-way valve directly controlled by the unit, designed to heat the supply air using hot water from a boiler or heat pump. The unit is supplied with coil and valve already installed and wired. For positioning of hydraulic connections, refer to dimensional drawings.

ELECTRICAL HEATERS

Allows heating of supply air when hot water is not available. Safety is ensured by a thermostat that, in case of overheating, deactivates the heating elements and signals an alarm. The unit is supplied with electric heating elements already installed internally.





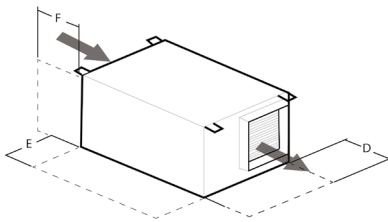
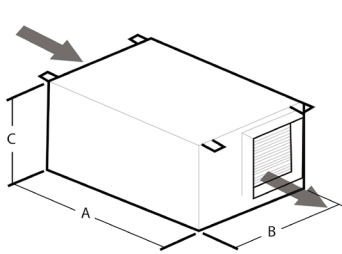
CHARACTERISTICS

DOS	50	70	90	100	160	190	210	230
Dehumidification Capacity (30°/80% R.H.) (L/day)	52	68	92	99	165	186	213	226
Dehumidification airflow (m³/h)	450	600	700	800	1000	1200	1500	1500
Available static pressure (Pa)	250	200	175	150	230	200	150	150
Hot Water Coil (30°/80°-70°) (kW)	5,2	6,1	6,8	7,5	10,4	11,9	13,3	13,3
Electrical heaters power (kW)	1,5	2	2	2	4	4	4	4
Power consumption (kW)	1,2	1	1,5	1,6	2,4	2,6	3,8	3,8
Power Supply (V F Hz)	230 1 50	230 1 50	230 1 50	230 1 50	230 1 50	230 1 50	400 3+N 50	400 3+N 50
Sound Pressure (dB(A))*	45	46	47	48	50	52	53	54

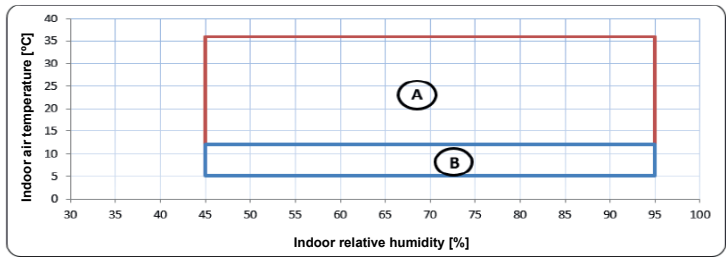
*Sound pressure level at 1 m, measured in open field according to ISO 3744.

DIMENSIONS

DOS	50	70	90	100	160	190	210	230
A (mm)	1105	1105	1105	1105	1105	1105	1105	1105
B (mm)	801	801	801	801	1051	1051	1051	1051
C (mm)	410	410	410	410	510	510	510	510
D (mm)	500	500	500	500	500	500	500	500
E (mm)	500	500	500	500	500	500	500	500
F (mm)	500	500	500	500	500	500	500	500
Weight (kg)	84	84	84	84	147	147	168	168



OPERATING LIMITS



A. Dehumidifier operating limit
B. Operating limit with optional GAS DEFROST installation