



**OS-12L**



**OS-16L**



**OS-20L**



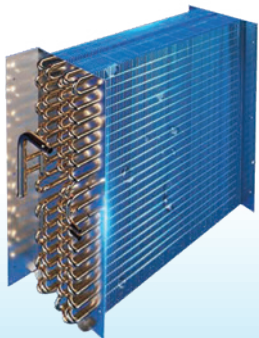
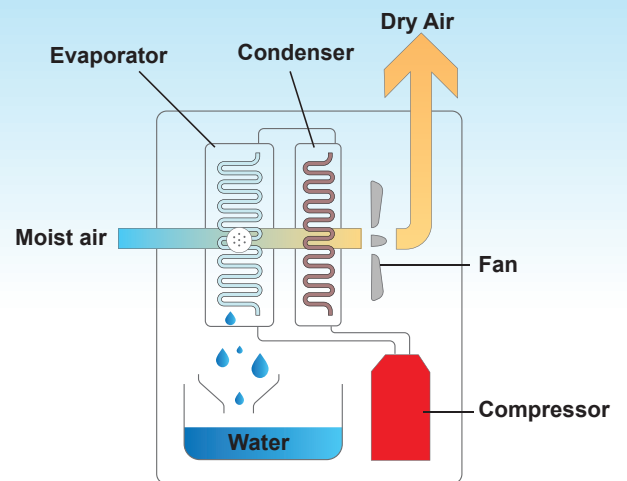
**OS-55L**

OLMAS floor-standing packaged dehumidifiers consist of two standard models OS-12L, OS-16L and two specialized models OS-20L, OS-55L and they are widely used in broad range of application in: Food and Pharmaceutical process, Precise manufacturing, Warehouses, Museums and archives, Communication center, Mild temperature drying room...

**WORKING PRINCIPLE**

Centrifugal fan draws humid air through evaporator (cooling coils) where it is cooled down below its dewpoint, water vapor is thus condensed into water and drained away. Cooled air with less water vapor passes through condenser (hot coils) where it is reheated. Warm and dry air is finally blown back to controlled space to continue dehumidification operation.

To ensure smooth operation and long service life, actual construction is equipped with additional basic components: Filter installed in front of evaporator to clean air and protect vaporator coil from clogging; Defrost circuit to defrost coil under low temperature condition; Humidistat to control dehumidifier automatically.



E-Coating Hydrophilic Evaporator  
40% more efficient  
Faster dehumidification



High-efficiency compressor  
Complete with internal cut-outs  
and high/low pressure protection.



Airtight centrifugal fan  
Running smoothly with low  
noise and high efficiency.



Humidity controller  
Automatic operation-  
Energy saving.

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### APPLICATION

OLMAS dehumidifier has been introduced to serve the demands of medium sized areas without the need to use multiple units. Warehouses, factories, offices and other medium scale facilities with ambient temperatures ranging from 15°C to 40°C can be cured of humidity and condensation problems efficiently and automatically without over burdening costly heating, cooling and ventilation systems. OLMAS dehumidifier can be utilized singly or in multiple units to provide protection on any scale. Ducted applications are possible where design requirements specify.

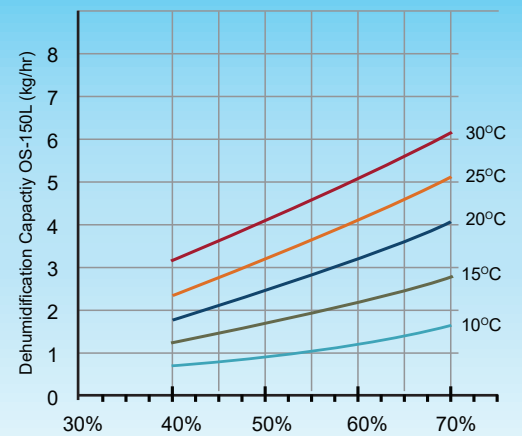
### HOW TO SELECT CORRECT SIZE DEHUMIDIFIER?

Firstly, the moisture load (latent load) of the project must be estimated. Secondly, designer can use dehumidification capacity chart provided on the right hand size to select suitable model according to room RH% and temperature.

Alternatively, we also offer free computer-aided selection service directly or through our officially trained representative in your area. Please contact your local distributor for assistance.

### WHY DEHUMIDICATION?

High relative humidity is the main causes of many common problems: Corrosion, Product deterioration, Condensation, Damp, Mould and mildew, Moisture regain, Prolonged drying, Manufacturing delays, discomfort..



SPECIFICATION		OS-12L	OS-16L	OS-20L	OS-55L
Operating temperature range	°C	5~30	5~30	5~35	5~40
Dehumidification Capacity @30°C, 80%	Kg/h	0.5	0.7	0.82	2.3
Airflow rate m <sup>3</sup> /h	CMH	80	160	200	400
Noise	DbA	45	46	46	54
Refrigerant		R134A	R134A	R134A	R410
Refrigerant/Charge	Kg	1.45	1.45	1.45	0.340
Net weight	Kg	11	14.5	13	27
Power source	V/Ph/Hz	220V/50Hz/1 pha			
Nominal power consumption	KW	0,21	0,26	0.26	0,86
Dimensions					
Width	mm	258	365	410	346
Depth	mm	299	252	294	302
Height	mm	470	655	658	710
Gross Weight	kg	12	15.5	14	28.5

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