



e-MovAir

Packaged air handling unit



≡ 3500 - 30000 m³/h

e-MovAir | Features & benefits



A HYGIENIC DESIGN FOR A FRESH CLEAN AIR

Air quality is acting silently, yet it is so important to **preserve one's health and safety**. The e-MovAir is designed without any cavities nor groove to prevent any germ expansion. It has been conceived to be easily and completely accessible and can then be washed and disinfected if needed. The e-MovAir is therefore **fully compliant with the VDI 6022 certification** that ensures hygiene in ventilation systems. On top, the e-MovAir is made of anti-corrosion materials, which have been tested and evaluated for negative growth of microorganism after incubation.



INNOVATIVE COMPONENTS FOR OPTIMAL COMFORT

Applications such as movie theaters, arenas, fitness centers etc. or even some kinds of industrial applications face the challenge of being able to quickly provide fresh renewed air to their hosts. This is the essence of the e-MovAir : **providing fresh air in CO₂ saturated environments**. The e-MovAir has been conceived to **provide comfort** through its components that are able to adjust the temperature quickly and precisely.



2021 ECODESIGN COMPLIANT FOR SUBSTANTIAL ENERGY SAVINGS

The e-MovAir fully complies with the 2021 EcoDesign seasonal efficiency requirements and ensures optimized energy consumption. It was designed with smart features and **highly innovative components** that provide beyond expected energy efficiency tiers, up to 187% in cooling mode. The unit is built to recover heat & cold, thus generating **important energy savings**.

ALL YEAR LONG OPERATION

The intelligence and design of the unit enable the absence of defrost cycle, and thus prevent any temperature drop, while being able to provide **continuous fresh clean air** 365 days per year.



ACCURACY & SPEED

The **inverter compressor** combined with variable speed fans provide high flexibility and accuracy in temperature management. The unit has also been equipped with an **EC motor** to increase its energy efficiency and precision.

EASY INSTALLATION

This plug and play air handling unit is easy to install and does not require additional installation operations. The e-MovAir can either be **installed indoor or outdoor**. It is also compatible with a **roofcurb** installation.

ENERGY EFFICIENT

The e-MovAir has been designed to use the calorific or frigorific load of the rejected air, thus generating important **energy savings**.

CUSTOMISED INSULATION

The e-MovAir is available with two insulation options in order to best fits the installation requirements:

Thermal Insulation - The unit is equipped with a thermal insulation through 60mm thick double skin panels with injected polyurethane. Classified T2 for thermal transmittance and TB2 for thermal Bridge from the EN 1886 norm.

Acoustic Insulation - The unit is equipped with 50mm thick double skin panels with high-density mineral wool insulation (90kg/m³). Sound acoustic attenuation classified (32db at 500 Hz) from the EN 1886 norm.

PERFECT AIR

The e-MovAir combines the most **hygienic components** to deliver fresh, clean air.

- drain pan made of stainless steel AISI316
- internal panels made of prepainted steel
- coil frame made of aluminum
- filter frame made of prepainted steel
- painted fans
- internal closures made of prepainted steel
- non porous sealing

e-MovAir | Overview of the range

The e-MovAir combines the simplicity of use of a plug and play rooftop; while offering the intelligence and flexibility of an air handling unit. It is the ideal solution to answer crowd applications' need for fresh renewed air. Movie theaters, fitness clubs, cultural facilities can host a large audience that will generate an important demand for fresh air.



	Nominal air flow rate (m ³ /h)	Width (mm)	Length (mm)	Height (mm)	Weight* (kg)
eM03AH025	3500				
eM04AH028	4500	1360	3990	1360	1100
eM05AH030	5500				
eM06AH035	5500				
eM07AH040	7200	2270	4770	1460	1400
eM09AH055	9900				
eM10AH070	8600				
eM13AH085	13500	2270	5070	1940	1750
eM17AH100	18500				
eM18AH110	17500				
eM24AH140	24000	2270	5670	2490	2300
eM30AH170	30000				

*average weight depending on the selected options.

LENNOX brand of LENNOX EMEA

LENNOX EMEA (Europe, Middle East, Africa), a division of Lennox International Incorporated (LII), designs and manufactures heating, air conditioning, air handling and refrigeration equipment.

Our reputation as a leading player in the market is based on simple principles that guide our actions: always listening to you, knowing your business areas and understanding your needs, while ensuring that our employees grow within the group.

Fully aware of the importance of environmental issues, we also support you in the context of regulatory changes and develop solutions that comply with all applicable environmental directives (F-Gas & EcoDesign).

OUR KEY FIGURES



900 people
in Europe



3 European production sites:
Genas, Longvic and Burgos



Quality certification:
ISO 9001 - 14001 - OHSAS 18001



1 European
training centre



1 HVAC&R European
development center



9 subsidiaries and
representative offices



Commercial presence
in 46 countries



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