

Description and functions

The e² is one of the smallest decentralised fans for residential ventilation with heat recovery and is based on the principle of regenerative heat exchange.

By means of state-of-the-art production methods, it has been possible to develop a compact heat accumulator made of a ceramic composite material which provides an average heat provision level of 90.6%.

The storage stone is located in the middle of the airflow of an ec-motor with axial fan. By a reversing airflow (in an interval of 70 sec.), which is produced by a specific direction change of the fan, the ceramic material is charged with the heat energy of the room air and returns it to the supplied outside air.

Installation

The built-in device is inserted into the wall-tube 9/R 160 (ø160 mm) and with a slight incline outwards into the outer wall. The electrical connection of the devices is carried out in pairs (2-10 e²) and in star-shaped arrangement to the universal

control 5/UNI-FT and can be operated via series switch or the TAC comfort control. Please observe the installation manual and have the electrical connection of the fan performed by a qualified professional.



Accessories

Wall-tubes	500 mm 9/R160 700 mm 9/R160-700
Power supply units	18 W 5/NT18 60 W 5/NT60 100 W 5/NT100
Universal control	5/UNI-FT
Series switch	5/W2U
Inner screens	9/IBE 9/IBG 9/IBK
Sound protection screen	9/IBS
Sound insulation set	9/SW
Wind pressure relief	9/WDSE
Regenerable replacement filters	Three-pack, G3 9/FIB-3R Pollen filters, three-pack 9/FIB-P
Outer grilles, round	white 1/WE180 red-brown 1/RE180 sanded 1/BE180
Outer hoods	white 1/HWE anthracite 1/HAZ
Wall installation housing	9/MRD
Assembly adhesive	

Technical data

Airflow volume	
Basic ventilation	18 m ³ /h
Regulated ventilation	20 m ³ /h
and/ or	31 m ³ /h
Intensive ventilation	38 m ³ /h
Voltage	12 V SELV (when using the LUNOS power supply units)
Power consumption	1,4/ 2,8/ 3,3 W
Heat provision level	90,6 %
Enveloping surface sound pressure level	17/ 19,5/ 26 dB (A)
Standard sound level difference	42 dB
Minimum installation length	280 mm
Protection class	II
Protection type	IP22
Product data	
Type:	e ² built-in device
Order No.	039 993

Note

Products and illustrations may vary slightly. Due to continuous product development and/or several suppliers e.g. for raw materials, colours, among other things, may vary slightly or be shown differently in brochures.

The e² of LUNOS achieves Energy Efficiency Class A according to the Ecodesign Directive



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