

### Description

- Highly efficient decentralised (room-wise) single room ventilation unit with heat recovery based on the principle of reversing air flow (regenerator) and the possibility of generating an exhaust air volume flow without heat recovery as required
- Installation in round duct (Ø 160 mm)
- Contains ceramic storage element, EPP foam housing, thermal insulation, inner panel, two G3 filters and two EC-reversing motors

Order No. 040 112

### Installation

The built-in device is inserted into the round duct 9/R 160 with a 162 mm hole and a slight gradient to the outside into the outer wall.

For unobstructed air flow, without mixing supply and exhaust air, minimum distances to the wall and surrounding components must be maintained.

Please observe the installation manual and have the electrical connection of the fan performed by a qualified professional.

### Technical data

Volume flow	1 l/s-6 l/s	5 - 20 m <sup>3</sup> /h
	(Exhaust Air 13 l/s, 45 m <sup>3</sup> /h)	
Equilant free area EN13141-1	4000mm <sup>2</sup>	
Max. degree of heat supply	82 %	
Heat supply level according to EN 13141-8	75 %	
Sound pressure level at 1 m distance	20 - 43 dB(A)	
Sound pressure level at 3 m distance	10 - 36 dB(A)	
Measuring surface sound pressure level	16,5 dB(A)	
Max. standard sound level difference D <sub>n,e,w</sub>	43 dB	
Sound power level L <sub>w</sub>	28 - 53 dB(A)	
Power consumption	1 - 4,9 W	
Supply voltage	12 V DC SELV	
Core drilling	162 mm	
Minimum installation length	300 mm	
Dimensions	Screen 237 x217	
	Built-in device Ø 154 x 300	
Energy efficiency class	A	
Protection class	IP22	

### 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 (not for visible parts) or be shown differently in brochures.



e<sup>90</sup> built-in device



e<sup>90</sup> two-way inner screen 1/EG1



e<sup>90</sup> two-way outer screen 1/EGA



e<sup>90</sup> two-way outer screen  
1/HWE-2 or 1/HAZ-2

The e<sup>90</sup> of LUNOS achieves Energy Efficiency Class A according to the Ecodesign Directive

**A**

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