

LUNOS e²



Decentralized ventilation system with built-in regenerative heat recovery core

BENEFITS

Operating and wired in groups of 2 or 4, these fans provide continuous ventilation without the need for ductwork - installed directly in the exterior wall. The regenerative core is charged every 70 seconds for a standard fan (250mm) and 50 seconds for a short fan (173mm), after which the fan reverses and the incoming air absorbs the stored heat on its way in. Creates a very quiet heat recovery ventilation system without the need for ducts and balancing, with specific fan efficiency that is second to none.

PRODUCT SPECIFICATIONS

The basic unit is a through wall fan, with a ceramic regenerative heat exchanger behind it. Operating and wired in pairs, these fans provide continuous ventilation without the need for duct-work and are installed directly in the exterior wall.

The fan's heat recovery is possible thanks to a ceramic core that is charged in a 70 second cycle for a standard fan (250mm) and 50 seconds for a short fan (173mm). To learn about how LUNOS heat recovery works, watch our short video introduction to the LUNOS system.

For projects with walls thinner than 11-3/4" (eg with 2x6 framing), you may want to go with the Lunos e² Short (6.3") version. However, the short version comes with a slightly lower efficiency (~85%). Otherwise, furring the tube toward the interior is an option for your project to obtain the maximum (90.6%) efficiency in a shorter (ie 2x6) wall assembly.

Includes one transformer (110V-12V) and controller. Maximum four fans (two pairs) can be wired to one controller. Installation sleeve included – can be preinstalled in wall before insulating/during construction.

Technical Specs	
Ventilation Rates	10/15/20 CFM or 9/18/22CFM
Heat Recovery Efficiency	90.6% (tested with DIN 308 / DIBt protocol)
Humidity Recovery	20-30%
Specific Fan Efficiency	0.07-0.09 Wh/m ³ (0.11-0.14 W/cfm)
Ventilation System Efficiency	0.30 Wh/m ³
Filter	G3 (MERV 5) or optional pollen F5 (MERV 9-10)
Sound Levels	16.5db/19.5 dB /26.0 dB

475 can only sell and ship LUNOS products within the United States.

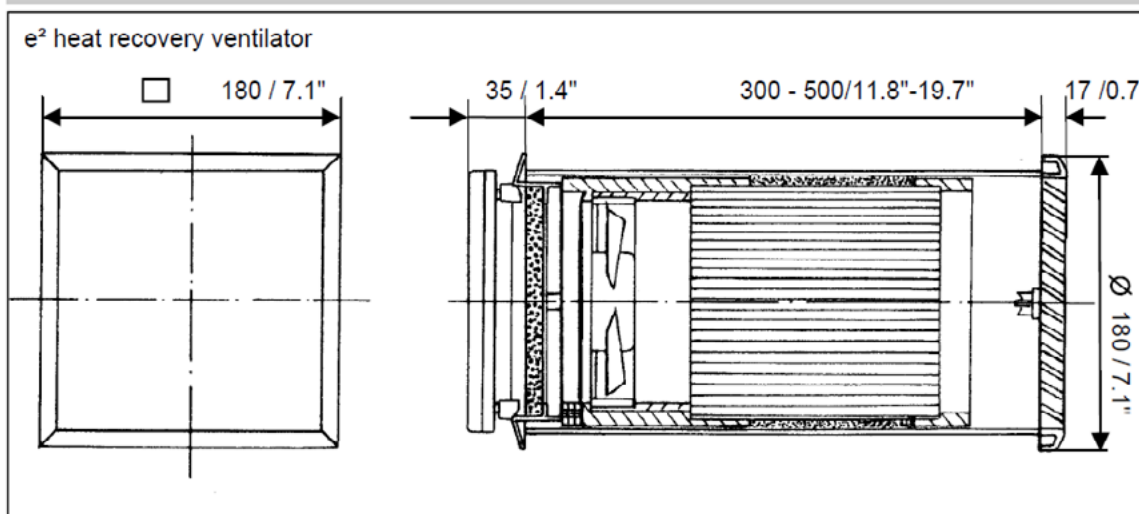
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LUNOS e²

Dimensions	
Diameter Unit	5 7/8" (150mm)
Exterior Diameter Tube	6 3/8" (163mm)
Minimum Wall Thickness	12" (300 mm); 7.5" (190mm) if short version
Installation Tube (can be cut)	12' to 19.5" (300 to 500 mm) Optional 27" (700mm) tube
Fan Length	standard: 9.8" (248mm) short: 6.8" (173mm)
Inside Cover	7 1/16" x 7 1/16" (180 x 180 mm)
Outside Grill Diameter	7 1/16" (180mm)

Dimensions (mm and inches)



* For bathrooms it is recommended to use the **eGO HRV**. Using intermittent high efficiency exhaust fan, is an option, but will decrease e² efficiency slightly during the time it is in operation. Or if the bathroom is located an exterior wall a pair of e² can be installed. The same principle can be applied to kitchens.