

The heat recovery unit of the future

LUNOS goes Ne<sup>xxx</sup>t



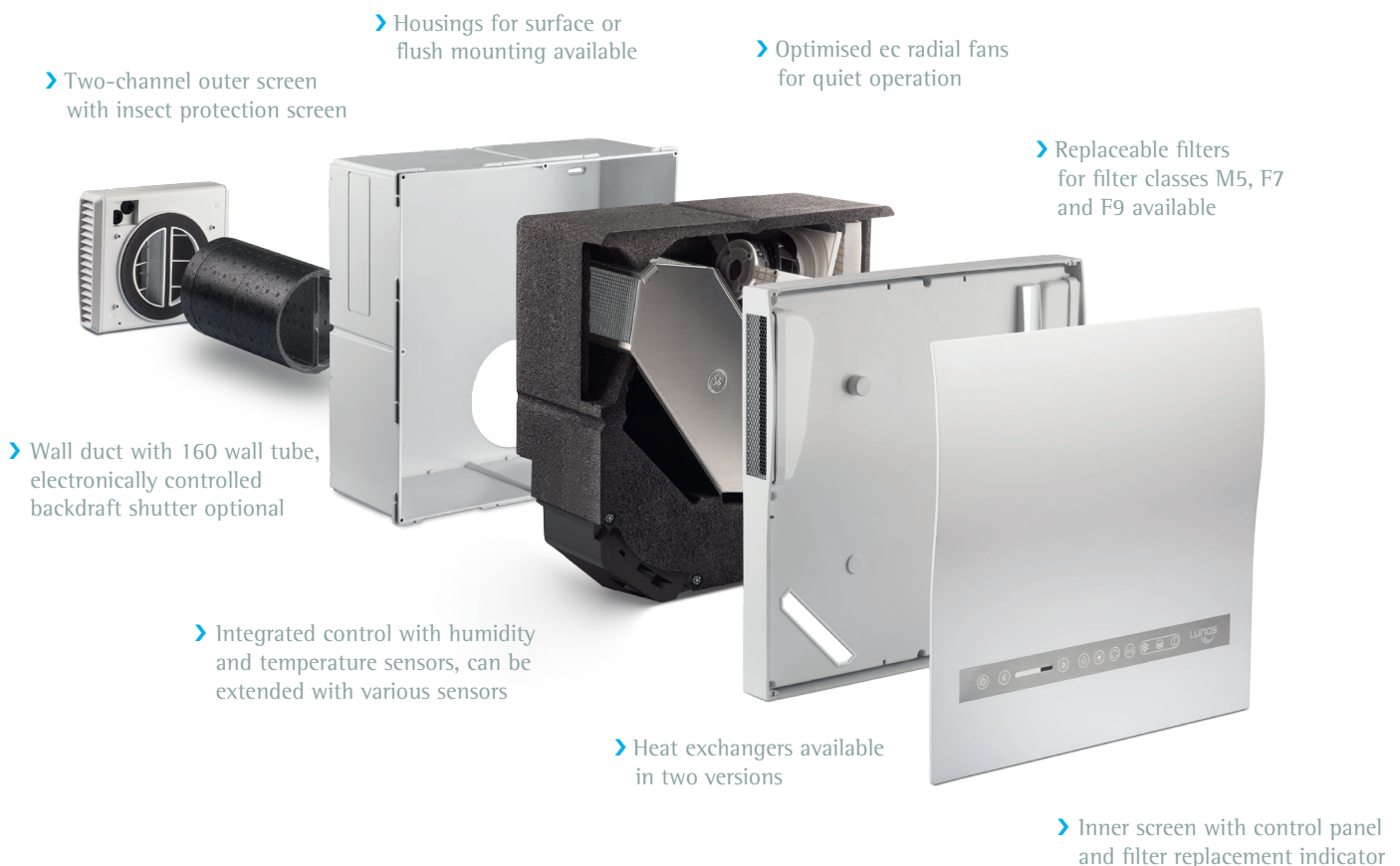
# Home ventilation with Ne<sup>xt</sup>, the evolution

Ne<sup>xt</sup>

## All features at the highest level of quality

LUNOS, the company that confirmed its position as a market leader in decentralised ventilation with the highly successful e<sup>2</sup>, has now opened up the decentralised market with the introduction of the Ne<sup>xt</sup>. The Ne<sup>xt</sup> is a decentralised heat recovery unit which can be used in kindergartens, schools, offices, hotels, and of course in homes and apartments. The Ne<sup>xt</sup> is also suitable for use in regions where large wind loads prevail, and when there is a need for additional sound proofing. With the optional use of an F9 filter, the Ne<sup>xt</sup> exceeds all standards of hygiene many times over. The Ne<sup>xt</sup> achieves a heat recovery rate of up to 90%. The Ne<sup>xt</sup> is built around a cross-flow heat exchanger with the option of upgrading to a counter-flow heat exchanger core for additional efficiency.

The Ne<sup>xt</sup> is rounded off with a new control concept with all controls on an easily accessible and elegant front screen. This screen provides clear but subtle feedback with backlighting. The Ne<sup>xt</sup> is controlled via humidity and temperature sensors by default. The Ne<sup>xt</sup> is also versatile in installation with options to install on the interior wall surface or to embed the unit within the wall. The standard LUNOS 160 wall tube is used for the single wall penetration to the external environment and combines both the air inlet and outlet within one wall penetration.



# heat recovery

## in the decentralised system



### Maximum noise protection

Due to intelligent design and internal baffling the maximum sound attention level of 56 dB can be achieved. This allows the Ne<sup>xt</sup> to be used in areas with high external noise levels (and even at airports!)

### Low operation noise due to EC fan technology

While the extremely successful e<sup>2</sup> system with the axial EC technology has already achieved top ratings for quiet operation, the new radial/centrifugal EC motors of the Ne<sup>xt</sup> introduce a new level of quiet but powerful operation. This quiet operation is further silenced by the flow optimised EPP (expanded polypropylene) chassis.

### Filters

The filters meet the highest quality standard of M5 filters, F7 filters or F9 filters.

### Efficiency

With its very low power consumption, the Ne<sup>xt</sup> is extremely energy efficient, thus making an active contribution to environmental protection. The highly efficient ec technology enables a very low power consumption at all airflow levels.

### The Ne<sup>xt</sup>-housing can be used universally

A stylish design frame is available for the surface-mounted version. The flush-mounted version requires a wall thickness of at least 280 mm.

### Heat recovery and control technology

The key component of the Ne<sup>xt</sup> is the built-in device with heat exchanger, which is available in two versions: **Ne<sup>xt</sup> K**: The crossflow heat exchanger achieves heat recovery levels of up to 80 %. (62 % according to EN 13141-8) at 75 m<sup>3</sup>/h reference airflow volume). **Ne<sup>xt</sup> G**: The bigger counterflow heat exchanger has a significantly higher efficiency, providing a heat recovery level of up to 90 % (84 % according to EN 13141-8 at 60 m<sup>3</sup>/h reference airflow volume).

The integrated control provides the perfect interaction of the various components. Equipped with humidity-temperature sensors, even the standard version of the automatic control ensures efficient ventilation with humidity protection. Optionally, features such as, for example the CO<sub>2</sub> sensor can be integrated or connected.

### LUNOS design line

The Ne<sup>xt</sup> adds a clean design aesthetic to the LUNOS product line. With an inner screen size of 510 x 510 mm, the fan thus remains a stylish element of home technology. The front screen also contains the plainly designed control panel. The total unit depth of 240 mm can be slimmed down to a 67 mm in-room size by embedding the unit into the external wall.

### LUNOS compatibility

By using the LUNOS 160 mm wall tube the Ne<sup>xt</sup> is compatible with all LUNOS fans from the 160 series. The unit requires a two-way outer screen to be fitted for correct operation. With the surface mounted variant it is particularly easy to upgrade a 160 series fan with the Ne<sup>xt</sup>.

### Tested according to EN 13141-8

Conforming to standards: All device data of the ErP product data sheet and the energy labels have been determined according to EN 13141-8



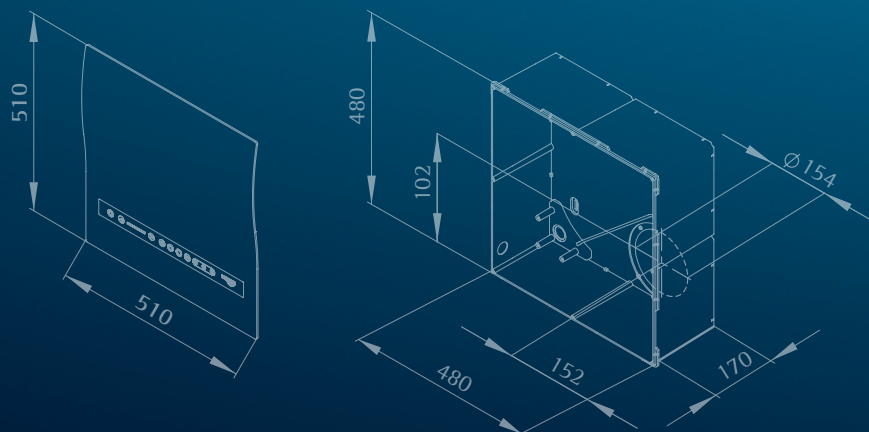
# Technical data: The Ne<sup>xx</sup>t

with crossflow heat exchanger (Ne<sup>xx</sup>t K) and  
with counterflow heat exchanger (Ne<sup>xx</sup>t G)

	Ne <sup>xx</sup> t K	Ne <sup>xx</sup> t G
Efficiency*	62 %	84 %
Airflow volume	15-110 m <sup>3</sup> /h (stagelessly adjustable)	15-90 m <sup>3</sup> /h (stagelessly adjustable)
Power Consumption**	22 Watt	20 Watt
Mains Voltage	230 V / 50 Hz 115 V / 60 Hz US version (available on request)	230 V / 50 Hz 115 V / 60 Hz US version (available on request)
Sound Power Level**	40 dB(A)	39 dB(A)
Core Drilling	162 mm	
Minimum Wall Thickness (surface mounting/flush mounting)	110 mm / 280 mm	
Depth in Wall Installation	172 mm housing + 105 mm flap closure in wall duct	
Cutout Installation Housing	min. 482 mm x 482 mm	
Dimensions of the Unit	480 mm x 480 mm x 170 mm	
Size of the Inner Screen	510 mm x 510 mm x 66 mm	
Size of the Outer Hood	235 mm x 205 mm x 72 mm	
Energy Efficiency Class		

\* according to EN 13141-8

\*\* at 70 % of the maximum airflow volume, according to ErP Directive EU Regulation 1254, measured with M5 filters.



LAROS Technologies Pty Ltd  
Unit 2 / 5 Bodalla Place  
Fyshwick ACT 2609

+61 2 6160 7777  
sales@laros.com.au · www.laros.com.au