



## ZL 150 central domestic ventilation unit

### with passive heat recovery

#### Energy-efficient, airtight building envelopes in newly constructed and renovated buildings lead to hazardous air quality

In order to reduce energy consumption, regulations regarding heat protection and building insulation have been considerably tightened for newly constructed and renovated buildings. What may be an advantage for the environment and for your pocket, however, is not so good for the indoor climate. Moisture, mildew and stale air are the results of inadequate air exchange. The solution is to install a modern ventilation system.

#### Controlled domestic ventilation from Dimplex - intelligent and energy-saving

The ZL 150 domestic ventilation unit ensures a controlled air exchange in apartments of up to approx. 110 m<sup>2</sup> (e.g. secondary suites or whole-floor apartments). Air extraction takes place in the rooms which are most subjected to moisture and odours, e.g. the bathroom and kitchen. Fresh air is supplied to living rooms and bedrooms - just like opening the window - when the air quality leaves something to be desired. The ventilation unit contains a cross counter flow heat exchanger, which heats the fresh air using heat extracted from the exhaust air. The building thus retains the majority of its heat energy.



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**Dimplex**  
 INNOVATIVE HEATING AND COOLING



ZL 150 domestic ventilation unit

### Central domestic ventilation unit

- ✓ High degree of heat recovery (up to 90%)
- ✓ Efficient EC ventilators
- ✓ Ventilation output freely adjustable from 50 to 150 m<sup>3</sup>/h for each of the three ventilation levels
- ✓ Convenient and energy-saving: Air volume regulation according to need by determining the exhaust air quality via an optional CO<sub>2</sub> and/or humidity sensor
- ✓ Space-saving: The device can be integrated into a kitchen unit thanks to its narrow 60 cm width

### Intelligent detailed solutions

The ZL 150 combines a compact, lightweight design with easy installation. It includes integrated ice protection with automatic defrosting. Changing filters is simple and requires no tools, and maintenance work can be carried out via easily accessible components without having to remove the device from the pipe system.

### Device information for ZL 150

Order reference		ZL 150
Application in living spaces	m <sup>2</sup>	up to approx. 110
Ventilator levels	Unit(s)	3
Air volume flow standard (freely programmable)	m <sup>3</sup> /h	60 / 90 / 120
Sound pressure level at a distance of 1m	dB(A)	30 / 32 / 39
Connection voltage	V	1/N/PE ~230 V, 50 Hz
Power consumption, max.	W	26 / 48 / 80
Degree of protection according to VDE		IP 20
Heat recovery efficiency	%	to 90
Filter class		G4
Air connections	mm	Ø 125
Width x Height x Depth	mm	600 x 680 x 425

Essential accessories <sup>1</sup>		
Remote control device (surface-mounted installation)		PFB 15
CO <sub>2</sub> sensor		CARBON
Humidity sensor for wall installation		HYG 200

Accessories		
Replacement filter (2 units, filter class G4)		EFG 150

<sup>1</sup> Essential accessories: Either the remote control or, alternatively, a sensor, is required for ventilation unit operation.

### Typical application

Residences of up to approx. 110 m<sup>2</sup> (whole-floor apartments, apartment blocks, small residential houses)

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