

LWA 100

CENTRAL

PRODUCT-NO.: 221470

As a slightly smaller version, the LWA 100 system impresses as it has the same excellent performance characteristics as the LWA 252. As a complete central ventilation system, it is equipped with an ultra-quiet fan that creates a slight negative pressure in connected rooms. Fresh air flows in from the outside through individual supply valves. A heat pump extracts the residual energy from the extract air and feeds it into the integral 100 litre DHW cylinder. The energy recovered from the extract air heats the DHW to around 55 °C, covering the DHW demand for the entire apartment. A 3 kW immersion heater inside the cylinder provides additional heating power in cases of higher DHW demand, as a result of which there is always enough hot water on tap. The LWA 100 is also ideally suited to retrofitting.



The main features

Compact device offering the following functions: Ventilation and DHW heating

Automatic ventilation independent of tenant behaviour

Easy calculation of additional costs

Dehumidifies rooms, creating a comfortable ambient climate

Maintenance of the fabric of the building

With dummy panel to cover the air connections



Type	LWA 100
Part no.	221470
Width	510 mm
Height	1290 mm
Depth	510 mm
Air flow rate	60-130 m ³ /h

Technical data

Energy efficiency class, DHW heating (extract air), load profile M	A
Rated capacity	100 l
HP DHW temperature	55 °C
Max. DHW temperature	80 °C
Electric emergency/booster heater	3 kW
Nominal DHW temperature (EN 16147)	55 °C
Nominal load profile (EN16147)	M
Maximum available amount of DHW at 40 °C (EN 16147 / A20 extract air)	138 l
Average heating output (EN 16147 / A20 extract air)	0,8 kW
Heat-up time (EN 16147 / A20 extract air)	7,15 h
Average heat pump power consumption (EN 16147 / A20 extract air)	0,3 kW
Power consumption, standby period (EN 16147 / A20 extract air)	0,017 kW
Performance factor (EN 16147 / A20 extract air)	2,26
Air connector diameter	125 mm
Refrigerant	R290
Refrigerant capacity	0,15 kg

Application range min./max.	15...30 °C
Weight	65 kg
Sound power level (EN 12102)	45 dB(A)
Filter class	ISO Coarse > 30 % (G2)

Contact information

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **info@stiebel-eltron.com**

Installation information

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.