

# Product fiche

# Ventilation unit: LG 500 PF

Specific energy consumption (SEC)	manual control		clock control		central demand control	local demand control
	cold climate	-68,08	-69,56	-72,39	-77,58	[kWh/(m <sup>2</sup> ·a)]
average climate	-33,42	-34,56	-36,71	-40,54	[kWh/(m <sup>2</sup> ·a)]	
warm climate	-10,94	-11,88	-13,64	-16,68	[kWh/(m <sup>2</sup> ·a)]	

Specific energy consumption class	B	A	A	A
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**Type**  
"residential ventilation system", "bidirectional ventilation system"

**Motor and drive**  
variable speed x-value 2 [-]

**Type of heat recovery system**  
recuperative

**Thermal efficiency of heat recovery**  $\eta_t$  77,6% [-]

**Maximum flow rate**  $q_{Vd}$  445 [m<sup>3</sup>/h]

**Electric power input of the fan drive, including any motor control equipment, at maximum flow rate**  $P_E$  177,2 [W]

**Sound power level**  $L_{WA}$  42 [dB(A)]

**Reference flow rate**  $q_{Vn}$  311,5 [m<sup>3</sup>/h]

**Reference pressure difference**  $p_{tU}$  50 [Pa]

**Specific power input** SPI 0,255 [W/(m<sup>3</sup>/h)]

**Ventilation control (CTRL)**

local demand control	1	0,95	0,85	0,65	[-]
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**Maximum air leakage rate referred to reference flow rate**

internal	$q_{vi} / q_{Vn}$	0,58% [-]
external	$q_{ve} / q_{Vn}$	1,50% [-]

**Filter change**  
The filters are to be replaced as soon as the command to replace the filters appears on the display of the operator control unit (marked red in the picture alongside).

**CAUTION:**  
If the filters are not changed regularly, the system can not work efficiently and the power consumption increases.



Operator control unit "PI-HMI"

**Waste disposal**  
Units that are no longer in working order have to be dismantled and properly disposed of by a specialized company via suitable collection centres and in compliance with the waste electrical and electronic equipment ordinance (WEEE), which provides for ratification of community law, directive 202/95/EC (RoHS) and the directive 2002/96/EC (the WEEE directive).

**Annual electricity consumption (AEC)**

	1	2	3	4	QK \ electricity#UQ
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**Annual heating saved (AHS)**

cold climate	81,91	82,60	84,00	86,79	[kWh primary energy/a]
average climate	41,87	42,22	42,94	44,37	[kWh primary energy/a]
warm climate	18,93	19,09	19,42	20,06	[kWh primary energy/a]

Information based on the current state of knowledge of EU Regulations 1253/2014 and 1254/2014  
Download from: www.pichlerluft.at

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