Product fiche

Ventilation unit: LG 150 BF

	manual control	clock control	central demand control	local demand control	
Specific energy consumption (SEC)					
cold climate	-67,2	-68,9	-72,2	-78,0	[kWh/(m²·a)]
average climate	-30,8	-32,3	-35	-39,8	[kWh/(m²·a)]
warm climate	-7,3	-8,6	-11,1	-15,3	[kWh/(m²·a)]
Specific energy consumption class	B	B	A	A	

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	η_t	83,4%	[-]
Maximum flow rate	q_{Vd}	180	[m³/h]
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	P_E	135,4	[W]
Sound power level	L_{WA}	45	[dB(A)]
Reference flow rate	q_{Vn}	126	[m³/h]
Reference pressure difference	p_{tU}	50	[Pa]
Specific power input	SPI	0,399	[W/(m³/h)]

Ventilation control (CTRL)					
local demand control	1	0,95	0,85	0,65	[-]

Maximum air leakage rate referred to reference flow rate

internal	q_{vi} / q_{Vn}	0,63%	[-]
external	q_{ve} / q_{Vn}	2,06%	[-]

Filter change
The filters are to be replaced as soon as:
- the warning light appears on the operator control unit "MINI"
- the command to replace the filters appears on the display of the operator control unit "TOUCH" (marked red in the pictures alongside)

Operator control unit "MINI"

Operator control unit "TOUCH"

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

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)	5,4	5,0	4,1	2,6	[kWh electricity/a]
Annual heating saved (AHS)					
cold climate	85,5	86,0	87,1	89,1	[kWh primary energy/a]
average climate	43,7	44,0	44,5	45,6	[kWh primary energy/a]
warm climate	19,8	19,9	20,1	20,6	[kWh primary energy/a]

Information based on the current state of knowledge of EU Regulations 1253/2014 and 1254/2014
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Systematic ventilation.

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