

Product fiche

Ventilation unit: LG 150 A

| | manual control | clock control | central demand control | local demand control | |
|---|--|---------------|------------------------|------------------------------|---------------------------|
| Specific energy consumption (SEC) | | | | | |
| cold climate | -77,5 | -78,5 | -80,4 | -83,7 | [kWh/(m ² ·a)] |
| average climate | -38,3 | -39,2 | -40,8 | -43,7 | [kWh/(m ² ·a)] |
| warm climate | -13,2 | -14,1 | -15,6 | -18,1 | [kWh/(m ² ·a)] |
| Specific energy consumption class | A | A | A | A+ (most efficient) | |
| 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 | | 92,4% [-] | |
| Maximum flow rate | | q_{Vd} | | 150 [m ³ /h] | |
| Electric power input of the fan drive, including any motor control equipment, at maximum flow rate | | P_E | | 54,9 [W] | |
| Sound power level | | L_{WA} | | 39 [dB(A)] | |
| Reference flow rate | | q_{Vn} | | 105 [m ³ /h] | |
| Reference pressure difference | | p_{tU} | | 50 [Pa] | |
| Specific power input | | SPI | | 0,25 [W/(m ³ /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} | | | 0,86% [-] | |
| external | q_{ve} / q_{Vn} | | | 1,05% [-] | |
| 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) | | | | | |
| 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 2002/95/EC (RoHS) and the directive 2002/96/EC (the WEEE directive). | | | | | |
| Annual electricity consumption (AEC) | ' 20 | ' 23 | &Z | % | QK \ electricity#U |
| Annual heating saved (AHS) | | | | | |
| cold climate | 91,1 | 91,4 | 91,8 | 92,8 | [kWh primary energy/a] |
| average climate | 46,6 | 46,7 | 46,9 | 47,4 | [kWh primary energy/a] |
| warm climate | 21,1 | 21,1 | 21,2 | 21,4 | [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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