

Product fiche

Ventilation unit: LG 450

| Specific energy consumption (SEC) | manual control | clock control | central demand control | local demand control | |
|---|----------------|---------------|------------------------|----------------------|---------------------------|
| cold climate | -76,9 | -77,9 | -79,9 | -83,2 | [kWh/(m ² ·a)] |
| average climate | -38,2 | -39,1 | -40,7 | -43,5 | [kWh/(m ² ·a)] |
| warm climate | -13,4 | -14,2 | -15,7 | -18,2 | [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 | 90,9% | [-] |
| Maximum flow rate | | | q_{Vd} | 450 | [m ³ /h] |
| Electric power input of the fan drive, including any motor control equipment, at maximum flow rate | | | P_E | 166,7 | [W] |
| Sound power level | | | L_{WA} | 42,9 | [dB(A)] |
| Reference flow rate | | | q_{Vn} | 315 | [m ³ /h] |
| Reference pressure difference | | | p_{tU} | 50 | [Pa] |
| Specific power input | | | SPI | 0,24 | [W/(m ³ /h)] |
| Ventilation control (CTRL) | | | | | |
| local demand control | 1 | 0,95 | 0,85 | 0,65 | [-] |
| Maximum air leakage rate | | | | | |
| internal | | | q_{vi} / q_{Vn} | 0,25% | [-] |
| external | | | q_{ve} / q_{Vn} | 0,59% | [-] |

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 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) | ' 4 | 31 | 86 | 77 | QK \#m ² UQ |
|--------------------------------------|-------|-------|-------|-------|------------------------|
| Annual heating saved (AHS) | | | | | |
| cold climate | 90,02 | 90,31 | 90,90 | 92,07 | [kWh/m ² a] |
| average climate | 46,02 | 46,17 | 46,47 | 47,06 | [kWh/m ² a] |
| warm climate | 20,81 | 20,88 | 21,01 | 21,28 | [kWh/m ² a] |

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

Download from: www.pichlerluft.at

Responsible for the content: J. Pichler Gesellschaft m.b.H.
Photos: Archiv J. Pichler Gesellschaft m.b.H. | Text: J. Pichler Gesellschaft m.b.H.
All rights reserved | All photos are symbolic photos | Subject to change without notice | Version: 12/2018 db



Systematic ventilation.

J. PICHLER
Gesellschaft m.b.H.

office@pichlerluft.at
www.pichlerluft.at

ÖSTERREICH
9021 KLAGENFURT
AM WÖRTHSEE
Karlweg 5
T +43 (0)463 32769
F +43 (0)463 37548

ÖSTERREICH
1100 WIEN
Doerenkampgasse 5
T +43 (0)1 6880988
F +43 (0)1 6880988-13

Sales offices in
Slovenia and Serbia.
Sales partners in
Germany, Switzerland
and Italy.