

CERTIFICATE

Certified Passive House Component

Component-ID 0241vI03 / 0013vI03 valid until 31st December 2021

Passive House Institute
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Category: **Air handling unit with heat recovery**
Manufacturer: **J. PICHLER Gesellschaft m.b.H.**
Austria
Product name: **LG 3200 System VENTECH**
Specification: Airflow rate > 600 m³/h
Heat exchanger: Recuperative

This certificate was awarded based on the product meeting the following main criteria

Heat recovery rate	η_{HR}	\geq	75 %
Specific electric power	$P_{el,spec}$	\leq	0.45 Wh/m ³
Leakage		$<$	3 %
Performance number		\geq	10
Comfort			Supply air temperature \geq 16.5 °C at outdoor air temperature of -10 °C

Airflow range
950-1800 m ³ /h at an external pressure of 259 Pa ¹⁾ (Requirements non-residential buildings)
950-2200 m ³ /h at an external pressure of 236 Pa ²⁾ (Requirements residential buildings)
Heat recovery rate
η_{HR} = 84 % (non-residential) η_{HR} = 82 % (residential)
Specific electric power
$P_{el,spec}$ = 0.41 Wh/m ³
Performance number
10.3

¹⁾ The real available external pressure with installed filters for application in non-residential buildings makes **223 Pa**.

²⁾ The real available external pressure with installed filters for application in non-residential buildings makes **194 Pa**.

Additional components, e.g. heating coils, decrease the available pressure difference accordingly.

cool, temperate climate



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COMPONENT**

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