



<b>Basic unit</b>	
Trade name	<b>Ensy</b>
Product name	<b>AHU-300 HH AHU-300 HV</b>
ErP compliance	<b>2018</b>
Unit category	<b>RVU</b>
Unit type	<b>BVU</b>
Drive	Variable speed
Heat recovery type	Regenerative
Thermal efficiency of HRS	<b>90 %</b>
<b>q<sub>v</sub>d max</b>	<b>240 m<sup>3</sup>/h</b>
<b>P<sub>tU</sub></b>	<b>100 Pa</b>
<b>P<sub>el,max</sub></b>	<b>243 W</b>
Sound power level $L_{wa}$	<b>43 dB(A)</b>
<b>q<sub>v</sub> ref</b>	<b>168 m<sup>3</sup>/h</b>
<b>P<sub>tU</sub> ref</b>	<b>50 Pa</b>
Max external and Internal Leakage. Overpressure 250 Pa	<b>3.9 %</b>
Max external and Internal Leakage. Underpressure 250 Pa	<b>4.0 %</b>
Annual operation hours $t_a$	<b>8760 h/a</b>
Primary energy factor $pef$	<b>2,5</b>
Net ventilation rate <b>q<sub>net</sub></b>	<b>1,3 m<sup>3</sup>/hm<sup>2</sup></b>
MISC (ducted)	<b>1,1</b>
CTRL (local demand)	<b>0,65</b>
X value. Motor drive characteristic (Variable speed)	<b>2</b>
SPI Specific power input (measurement)	<b>0,00046 kW/m<sup>3</sup>/h</b>
Total hours heating season <b>t<sub>h</sub></b> Average	<b>5112 h/a</b>
Total hours heating season <b>t<sub>h</sub></b> Cold	<b>6552 h/a</b>
Total hours heating season <b>t<sub>h</sub></b> Warm	<b>4392 h/a</b>
Average temperature difference $\Delta T_h$ Average	<b>9,5 K</b>
Average temperature difference $\Delta T_h$ Cold	<b>14,5 K</b>
Average temperature difference $\Delta T_h$ Warm	<b>5 K</b>
Thermal efficiency <b><math>\eta_h</math></b>	<b>0,75</b>
Specific heat capacity $C_{air}$	<b>0,000344 kWh/m<sup>3</sup>K</b>

Reference natural ventilation rate $q_{ref}$	<b>2,2</b> m <sup>3</sup> /hm <sup>3</sup>
Thermal efficiency of HRS $\eta_t$	<b>0,90</b>
Defrosting period $t_{defr}$ Average	<b>168</b> h/a
Defrosting period $t_{defr}$ Cold	<b>1003</b> h/a
Defrosting period $t_{defr}$ Warm	<b>0</b> h/a
Average temperature difference defrost $\Delta T_{defr}$ Average	<b>2,4</b> K
Average temperature difference defrost $\Delta T_{defr}$ Cold	<b>5,2</b> K
Average temperature difference defrost $\Delta T_{defr}$ Warm	<b>0</b> K
AEC average. Annual electrical consumption per 100 m <sup>2</sup>	<b>244</b> kWh/a
AEC cold	<b>244</b> kWh/a
AEC warm	<b>244</b> kWh/a
AHS Average. Annual heating saved per m <sup>2</sup>	<b>46,9</b> kWh/a
AHS Cold	<b>91,8</b> kWh/a
AHS Warm	<b>21,2</b> kWh/a
SEC Average. Specific energy consumption	<b>-40.8</b> kWh/m <sup>2</sup> a
SEC Cold	<b>-85.7</b> kWh/m <sup>2</sup> a
SEC Warm	<b>-15.1</b> kWh/m <sup>2</sup> a
Efficiency Class	<b>A</b>