



<b>Basic unit</b>		
Trade name	<b>Ensy</b>	
Product name	<b>AHU-200 H AHU-200 V</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>85</b>	%
<b>q<sub>v</sub>d max</b>	<b>260</b>	m <sup>3</sup> /h
<b>P<sub>tU</sub></b>	<b>100</b>	Pa
<b>P<sub>el,max</sub></b>	<b>152</b>	W
Sound power level $L_{wa}$	<b>45</b>	dB(A)
<b>q<sub>v</sub> ref</b>	<b>182</b>	m <sup>3</sup> /h
<b>P<sub>tU</sub> ref</b>	<b>50</b>	Pa
Max external and Internal Leakage. Overpressure 250 Pa	<b>3.42</b>	%
Max external and Internal Leakage. Underpressure 250 Pa	<b>3.44</b>	%
Annual operation hours $t_a$	<b>8760</b>	h/a
Primary energy factor $pef$	<b>2,5</b>	
Net ventilation rate <b>q<sub>net</sub></b>	<b>1,3</b>	m <sup>3</sup> /hm <sup>2</sup>
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>0,00038</b>	kW/m <sup>3</sup> /h
Total hours heating season <b>t<sub>h</sub></b> Average	<b>5112</b>	h/a
Total hours heating season <b>t<sub>h</sub></b> Cold	<b>6552</b>	h/a
Total hours heating season <b>t<sub>h</sub></b> Warm	<b>4392</b>	h/a
Average temperature difference $\Delta T_h$ Average	<b>9,5</b>	K
Average temperature difference $\Delta T_h$ Cold	<b>14,5</b>	K
Average temperature difference $\Delta T_h$ Warm	<b>5</b>	K
Thermal efficiency <b><math>\eta_h</math></b>	<b>0,75</b>	
Specific heat capacity $C_{air}$	<b>0,000344</b>	kWh/m <sup>3</sup> K

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>0,85</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>201.1</b>	kWh/a
AEC cold	<b>201.1</b>	kWh/a
AEC warm	<b>201.1</b>	kWh/a
AHS Average. Annual heating saved per m <sup>2</sup>	<b>45.9</b>	kWh/a
AHS Cold	<b>89.8</b>	kWh/a
AHS Warm	<b>20.8</b>	kWh/a
SEC Average. Specific energy consumption	<b>-40.8</b>	kWh/m <sup>2</sup> a
SEC Cold	<b>-84.7</b>	kWh/m <sup>2</sup> a
SEC Warm	<b>-15.7</b>	kWh/m <sup>2</sup> a
Efficiency Class	<b>A</b>	