



Trade name	Ensy	
Product name	AHU-400 HH AHU-400 HV	
ErP compliance	2016	
Unit category	RVU	
Unit type	BVU	
Drive	Variable speed	
Heat recovery type	Regenerative	
Thermal efficiency of HRS	78	%
$q_{Vd} \max$	420	m ³ /h
P_{tU}	100	Pa
$P_{el,max}$	350	W
Sound power level L_{wa}	43	dB(A)
$q_v \text{ ref}$	294	m ³ /h
$P_{tU} \text{ ref}$	50	Pa
Max external and Internal Leakage. Overpressure 250 Pa	1,9	%
Max external and Internal Leakage. Underpressure 250 Pa	1,7	%
Annual operation hours t_a	8760	h/a
Primary energy factor pef	2,5	
Net ventilation rate q_{net}	1,3	m ³ /hm ²
MISC (ducted)	1,1	
CTRL (local demand)	0,65	
X value. Motor drive characteristic (Variable speed)	2	
SPI Specific power input (measurement)	0,00053	kW/m ³ /h
Total hours heating season t_h Average	5112	h/a
Total hours heating season t_h Cold	6552	h/a
Total hours heating season t_h Warm	4392	h/a
Average temperature difference ΔT_h Average	9,5	K
Average temperature difference ΔT_h Cold	14,5	K
Average temperature difference ΔT_h Warm	5	K
Thermal efficiency η_h	0,75	
Specific heat capacity C_{air}	0,000344	kWh/m ³ K
Reference natural ventilation rate q_{ref}	2,2	m ³ /hm ³

Thermal efficiency of HRS η_t	0,78	
Defrosting period t_{defr} Average	168	h/a
Defrosting period t_{defr} Cold	1003	h/a
Defrosting period t_{defr} Warm	0	h/a
Average temperature difference defrost ΔT_{defr} Average	2,4	K
Average temperature difference defrost ΔT_{defr} Cold	5,2	K
Average temperature difference defrost ΔT_{defr} Warm	0	K
AEC average. Annual electrical consumption per 100 m ²	281	kWh/a
AEC cold	281	kWh/a
AEC warm	281	kWh/a
AHS Average. Annual heating saved per m ²	44,4	kWh/a
AHS Cold	87,0	kWh/a
AHS Warm	20,1	kWh/a
SEC Average. Specific energy consumption	-37,4	kWh/m ² a
SEC Cold	-79,9	kWh/m ² a
SEC Warm	-13,1	kWh/m ² a
Efficiency Class	A	