

Basic unit		
Trade name	Ensy	
Product name	AHU- 700 BH AHU- 700 BV	
ErP compliance	2018	
Unit category	RVU	
Unit type	BVU	
Drive	Variable speed	
Heat recovery type	Regenerative	
Thermal efficiency of HRS	83	%
q Vd max	840	m ³ /h
P tU	100	Pa
P _{el,max}	1000	W
Sound power level L _{wa}	58	dB(A)
q v ref	588	m ³ /h
P tU ref	50	Pa
Max external and Internal Leakage. Overpressure 250 Pa	2.9	%
Max external and Internal Leakage. Underpressure 250 Pa	2.7	%
Annual operation hours t _a	8760	h/a
Primary energy factor p _{ef}	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)	0,00039	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	0,83	

Basic unit		
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	206	kWh/a
AEC cold	206	kWh/a
AEC warm	206	kWh/a
AHS Average. Annual heating saved per m ²	45,5	kWh/a
AHS Cold	89,0	kWh/a
AHS Warm	20,6	kWh/a
SEC Average. Specific energy consumption	-40,3	kWh/m ² a
SEC Cold	-83,8	kWh/m ² a
SEC Warm	-15,4	kWh/m ² a
Efficiency Class	A	