

Basic unit	
Trade name	Ensy
Product name	Wave AHU-400HH AHU-400HV
ErP compliance	2018
Unit category	RVU
Unit type	BVU
Drive	Variable speed
Heat recovery type	Regenerative
Thermal efficiency	87 %
$q_{Vd} \max$	285 m <sup>3</sup> /h
$P_{tU}$	100 Pa
$P_{el,max}$	211 W
Sound power level $L_{wa}$	47 dB(A)
$q_v \text{ ref}$	226 m <sup>3</sup> /h
$P_{tU} \text{ ref}$	50 Pa
Max external and Internal Leakage. Overpressure 250 Pa	4.22 %
Max external and Internal Leakage. Underpressure 250 Pa	4.10 %
Annual operation hours $t_a$	8760 h/a
Primary energy factor $pef$	2,5
Net ventilation rate $q_{net}$	1,3 m <sup>3</sup> /hm <sup>2</sup>
MISC (ducted)	1,1
CTRL (local demand)	0,65
X value. Motor drive characteristic (Variable speed)	2
SPI Specific power input	0,43 W/m <sup>3</sup> /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 $\Delta T_h$ Average	9,5 K
Average temperature difference $\Delta T_h$ Cold	14,5 K
Average temperature difference $\Delta T_h$ Warm	5 K
Thermal efficiency $\eta_h$	0,75
Specific heat capacity $C_{air}$	0,000344 kWh/m <sup>3</sup> K
Reference natural ventilation rate $q_{ref}$	2,2 m <sup>3</sup> /hm <sup>2</sup>
Thermal efficiency of HRS $\eta_t$	0,87