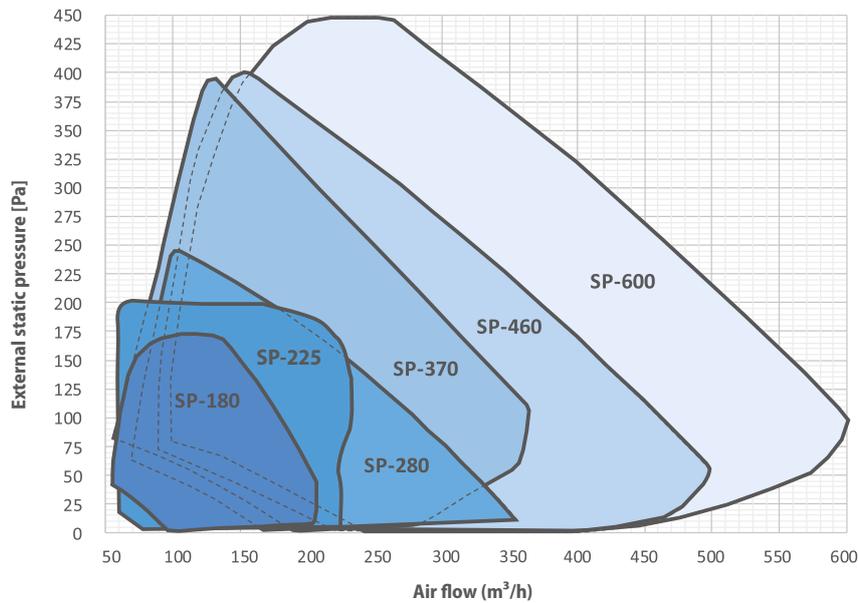


Energy Smart units are suitable for operation in balanced or slightly unbalanced flow and return conditions. They ensure residential air exchange, recovering the heat from the extracted air and conveying it to the clean air. The chart below shows the recommended operating ranges in terms of volumetric supply air flow rate at standard conditions and available external static pressure.

Pro ENY-SP vertical version



	Model	ENY-SP-180	ENY-SP-225	ENY-SP-280	ENY-SP-370	ENY-SP-460	ENY-SP-600
Q_{max}	m³/h	180	225	280	370	460	600
Q_{rif}	m³/h	130	158	200	260	320	420
P_{el}	W	23	47,4	35	47	76	105
η^t_{rvu}	%	91,5%	89,0%	91,4%	92,5%	88,6%	88,0%
SPI	W/m³/h	0,174	0,3	0,174	0,179	0,237	0,247
CTRL	-	0,85	0,85	0,85	0,85	0,85	0,85
SEC	kWh/m²a	-42,32	-38,6	-42,29	-42,47	-40,10	-39,71
Energy class	-	A+	A	A+	A+	A	A
Filter efficiency	-	ePM ₁ 55% - F7 ePM ₁₀ 50% - M5					
L_{WA}	dB(a)	38,9	43	43,1	46,3	47,9	52,4
LK_i	%	1,2%	1,7%	0,7%	0,5%	0,3%	0,60%
LK_E	%	1,7%	1,8%	1,0%	0,8%	0,7%	1,84%
HEP	W	500	800	900	1250	1600	2000

LEGEND (all terms must be considered in compliance with Standard EU 1253/2014)

Q_{max} = Maximum flow rate, at max motor speed and external static pressure of 100 Pa

Q_{rif} = Reference flow rate - 70% of Q_{max}

P_{el} = Power supply at Q_{rif} and external static pressure of 50 Pa

η^t_{rvu} = Thermal efficiency at Q_{rif}

SPI = Specific power input

CTRL = Control factor - Centralised automatic control

SEC = Specific energy consumption

L_{WA} = Sound power level emitted by structure

LK_i = Internal leakage at 100 Pa compared to Q_{rif}

LK_E = External leakage at 250 Pa compared to Q_{rif}

HEP = Pre-heater power (only mod. SPEL and SPER)