

1	Introduction	1
2	Everything You Need to Know About Air	3
2.1	Air Consumption	3
2.2	Air Quality	4
2.2.1	CO ₂ Content (Carbon Dioxide)	4
2.2.2	Humidity	6
2.2.3	Fine Particulates	6
2.2.4	Odors in the Air	6
2.2.5	Well-Being Factor Air	6
2.3	Natural Air Exchange	9
3	Housing Examples and Questions About the Systems	11
3.1	Floor Plan Single-Family House	11
3.2	Floor Plan Apartment	12
3.3	System Comparison Through Selected Questions	13
4	Selected Ventilation Options	15
4.1	Window Ventilation	15
4.1.1	System Questions	18
4.2	Window Rabbet Ventilation	21
4.2.1	System Questions	21
4.3	Exhaust Air System with Fresh Air Diffuser (Discharge Opening)	26
4.3.1	System Questions	28
4.4	Individual Room Unit with One Fan	32
4.4.1	System Questions	34
4.5	Individualom Unit with Two Fans	37
4.5.1	System Questions	38
4.6	Central Ventilation with Heat Recovery	43
4.6.1	System Questions	48

5	Summary of the Ventilation Options and Conclusion	61
6	The Difference Between Air Conditioning and Ventilation Systems	63
7	Ventilation Systems and Corona	67
	References	69
	Index	71