

9. Allegati

9.1 Dati tecnici

Supplier			GEAtherm srl - via Staffali, 39b - 37062 Villafranca di Verona					
Model Identifier			Duplex EC.5 170	Duplex EC.5 370	Duplex EC.5 570	Duplex ECV.5 280	Duplex ECV.5 380	Duplex ECV.5 580
Code Identifier			1001001 1002001 1003001	1001002 1002002 1003002	1001003 1002003 1003003	1004001 1005001 1006001	1004002 1005002 1006002	1004003 1005003 1006003
Specific energy consumption	SEC-W	kWh/(m ² a)	-17,47	-17,47	-17,34	-17,51	-17,41	-17,35
	SEC-A	kWh/(m ² a)	-42,17	-42,28	-42,03	-42,21	-42,22	-42,05
	SEC-C	kWh/(m ² a)	-80,69	-81,00	-80,56	-80,73	-80,93	-80,85
Specific energy class	SEC-W		E	E	E	E	E	E
	SEC-A		A+	A+	A+	A+	A+	A+
	SEC-C		A+	A+	A+	A+	A+	A+
Declared Typology		RVU/BVU	RVU/BVU	RVU/BVU	RVU/BVU	RVU/BVU	RVU/BVU	
Type of drive		VSD	VSD	VSD	VSD	VSD	VSD	
Type of heat recovery			Counterflow heat recovery core S6.A			Counterflow heat recovery core S3.B		
Thermal efficiency of heat recovery	t	%	85	86	85	85	86	85
Maximum flow rate	Qm	m ³ /h	175	370	570	285	365	565
Electric power input ad maximum flow rate		W	79	167	313	118	192	345
Sound power level	LwA	dB	37	38	42	35	36	42
Reference flow rate	Qr	m ³ /h	0,034	0,072	0,111	0,055	0,071	0,113
Reference pressure difference		Pa	50	50	50	50	50	50
Specific power input	SPI	W/(m ³ /h)	0,248	0,255	0,258	0,245	0,26	0,257
Control factor	CTRL		0,65 Local demand control	0,65 Local demand control	0,65 Local demand control	0,65 Local demand control	0,65 Local demand control	0,65 Local demand control
Declared maximum internal leakage		%	2,5	2,5	2,2	2,5	2,5	2,2
Declared maximum external leakage		%	1,6	1,6	1,6	1,6	1,6	1,7
Position and description of visual filter warning	Control panel "clogged filter" Air filters in the unit must be changed regularly. Clogged air filters result in reduced performance and total efficiency of the ventilation unit.							
Internet address for pre-/dis-assembly instructions	www.geatherm.it/erp							
Annual electricity consumption	AEC-W	kWh/rok	1,31	1,35	1,37	1,30	1,38	1,36
	AEC-A	kWh/rok	1,76	1,80	1,82	1,75	1,83	1,81
	AEC-C	kWh/rok	7,13	7,17	7,19	1,12	7,20	7,18
Annual heating saved	AEC-W	kWh/rok	20,75	20,85	20,75	20,75	20,85	20,75
	AEC-A	kWh/rok	45,90	46,11	45,90	45,90	46,11	45,90
	AEC-C	kWh/rok	89,79	90,19	89,79	89,79	90,19	89,79

Warning: All types of control system that are builtin within the unit commonly include at least two inputs, so the electrical signals from human operation of lights or other equipment, that automatically control the performance of the unit, can be connected. These inputs or other types of sensors must always be connected (ex. CO₂, VOC, rH, etc)