

Supplier								
Model identifier			DUPLEX 170 EC5	DUPLEX 370 EC5	DUPLEX 570 EC5	DUPLEX 280 ECV5	DUPLEX 380 ECV5	DUPLEX 580 ECV5
Model identifier			A160500 A160510 A160520	A160501 A160511 A160521	A160502 A160512 A160522	A160503 A160513 A160523	A160504 A160514 A160524	A160505 A160515 A160525
Specific energy consumption	SEC -W	kWh/(m2.a)	-17,47	-17,47	-17,34	-17,51	-17,41	-17,35
	SEC -A	kWh/(m2.a)	-42,17	-42,28	-42,03	-42,21	-42,22	-42,05
	SEC -C	kWh/(m2.a)	-80,69	-81,00	-80,56	-80,73	-80,93	-80,57
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			Counter flow heat recovery core S6.A	Counter flow heat recovery core S6.A	Counter flow heat recovery core S3.B	Counter flow heat recovery core S3.B	Counter flow heat recovery core S3.B	Counter flow heat recovery core S3.B
Thermal efficiency of heat recovery		ηt %	85	86	85	85	86	85
Maximum flow rate		Qm m3/h	175	370	570	285	365	565
Electric power input at 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 m3/s	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/(m3/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.atrea.cz/erp					
The 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	7,12	7,20	7,18
The annual heating saved	AHC -W	kWh/rok	20,75	20,85	20,75	20,75	20,85	20,75
	AHC -A	kWh/rok	45,90	46,11	45,90	45,90	46,11	45,90
	AHC -C	kWh/rok	89,79	90,19	89,79	89,79	90,19	89,79

Warning: All types of control system that are built in 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 (e.g. CO2, VOC, rH etc.)