

Information according to EU Regulation 1254/2014			
a)	Manufacturer	GEALAN Fenster-Systeme GmbH	GEALAN Fenster-Systeme GmbH
b)	Model name	GEALAN-CAIRE® smart Visible installation	GEALAN-CAIRE® smart Concealed installation
		  <i>Exterior view</i> <i>Interior view</i>	  <i>Exterior view</i> <i>Interior view</i>
c)	SEC classification	A	B
c)	SEC (specific energy consumption) in kWh/(m²a) (Climate zone: cold / average / warm)	-70 / - 34 / -10.7	-65.9 / -29.9 / -6.7
d)	Type	Two-way ventilation unit	Two-way ventilation unit
e)	Drive type	Multi-stage drive	Multi-stage drive
f)	Type of heat recovery system	recuperative	recuperative
g)	Degree of temperature change of the HRU in % at reference volume flow rate	75	75
h)	Highest air volume flow in m³/h	40	40
i)	Max power consumption in W	35	38
j)	Sound power level L_{wA} in dB(A)	55	55
k)	Reference air volume flow in m³/h	28	28
l)	Reference pressure difference in Pa	–	–
m)	SEPC (specific electrical power consumption) in W/(m³/h)	0.49	0.71
n)	Control factor and control typology	1.21 / 0.65	1.21 / 0.65
o)	Highest internal and external air leakage rate in %	4.9 / 4.9	4.9 / 4.9
p)	Mixing rate in %	–	–
q)	Filter position and description	see assembly and operating instructions	see assembly and operating instructions
t)	Pressure fluctuation sensitivity of the airflow at +20 Pa and - 20 Pa	4%	4%
u)	Air density between inside and outside in m³/h	2.9	2.9
v)	Annual power consumption in kWh/a per 100 m² (Climate zone: cold / average / warm)	937 / 399 / 354	1098 / 560 / 515
w)	Annual heat energy savings in kWh/a per 1 m² (Climate zone: cold / average / warm)	84.7 / 43.3 / 19.6	84.7 / 43.3 / 19.6

Manufacturer		GEALAN Fenster-Systeme GmbH		GEALAN Fenster-Systeme GmbH	
Model name		GEALAN-CAIRE® smart	GEALAN-CAIRE® smart + sound insulation	GEALAN-CAIRE® smart	GEALAN-CAIRE® smart + sound insulation
		Visible installation		Concealed installation	
					
		Exterior view	Interior view	Exterior view	Interior view
Maximum level of heat provision in %		75		89	
Sound insulation value (Dn,e,w) in dB		45	47	44	49
Air volume flows in m³/h	Level 1	4	4	5	4
Sound power level L _{WA} in dB		29.2			
Air volume flows in m³/h	Level 2	8	8	9	7
Sound power level L _{WA} in dB		35.5			
Air volume flows in m³/h	Level 3	16	16	13	10
Sound power level L _{WA} in dB		46.3			
Air volume flows in m³/h	Level 4	28	28	28	20
Sound power level L _{WA} in dB		54.1			
Air volume flows in m³/h	Level 5	40	40	40	28
Sound power level L _{WA} in dB		60.3			
Filter quality class		ISO Coarse 50%		ISO Coarse 50%	
Pollen filter optional		ISO ePM2.5 70%		ISO ePM2.5 70%	
Operating temperature in °C		-25 to +50 °C		-25 to +50 °C	
Protection rating		Power supply unit PR II / ventilator unit PR III		Power supply unit PR II / ventilator unit PR III	
Supply voltage in VAC		100 / 240		100 / 240	
Operating voltage in VAC		24		24	
Sensors		Temp. / humidity		Temp. / humidity	
Mounting		horizontal / vertical		horizontal	
Ventilator levels		5 + automatic		5 + automatic	
Control		Mobile APP / push button / external push button		Mobile APP / push button / external push button	
Interfaces		WiFi		WiFi	
Dimensions of the ventilator unit in mm		910 / 126 / 70		910 / 126 / 70	
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