

EN-Seefire

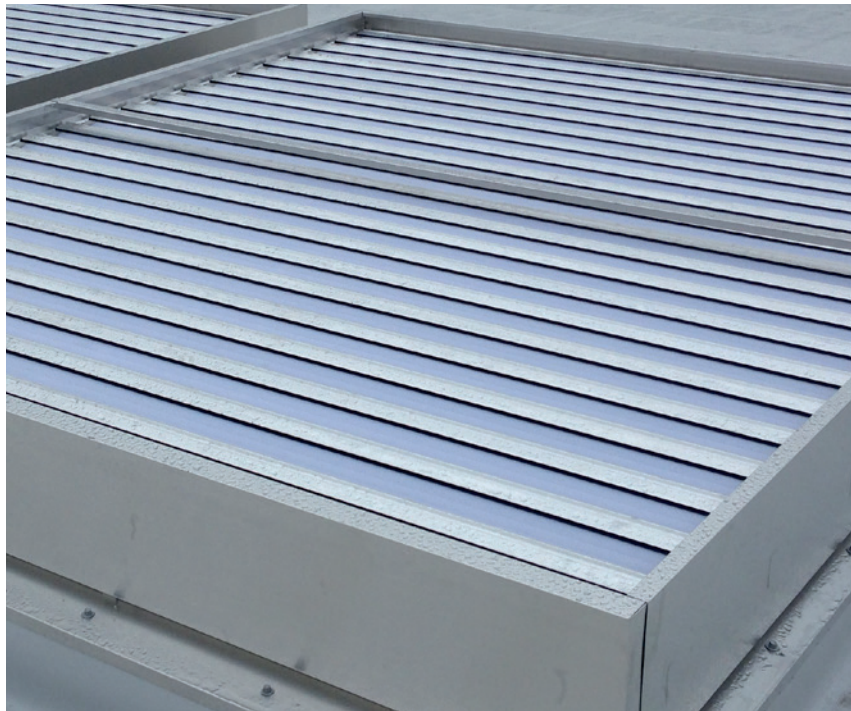
Natural louvred ventilator



EN-Seefire is a high-performance natural louvred ventilator, available in a wide range of sizes and with various louvre and control options. Tested and certified to EN 12101-2:2003 in accredited third-party laboratories, it carries the CE mark for quality and compliance. Well suited to a wide variety of industrial and commercial buildings, EN-Seefire provides effective smoke control and day-to-day ventilation. When fitted with glass or polycarbonate blades, it also allows the entry of natural daylight.

EN-Seefire offers versatile installation options and can be fitted at almost any angle, providing either low-level air inlet or high-level air extract. It is also commonly used as a termination piece for ductwork, extract fans, or air handling systems.

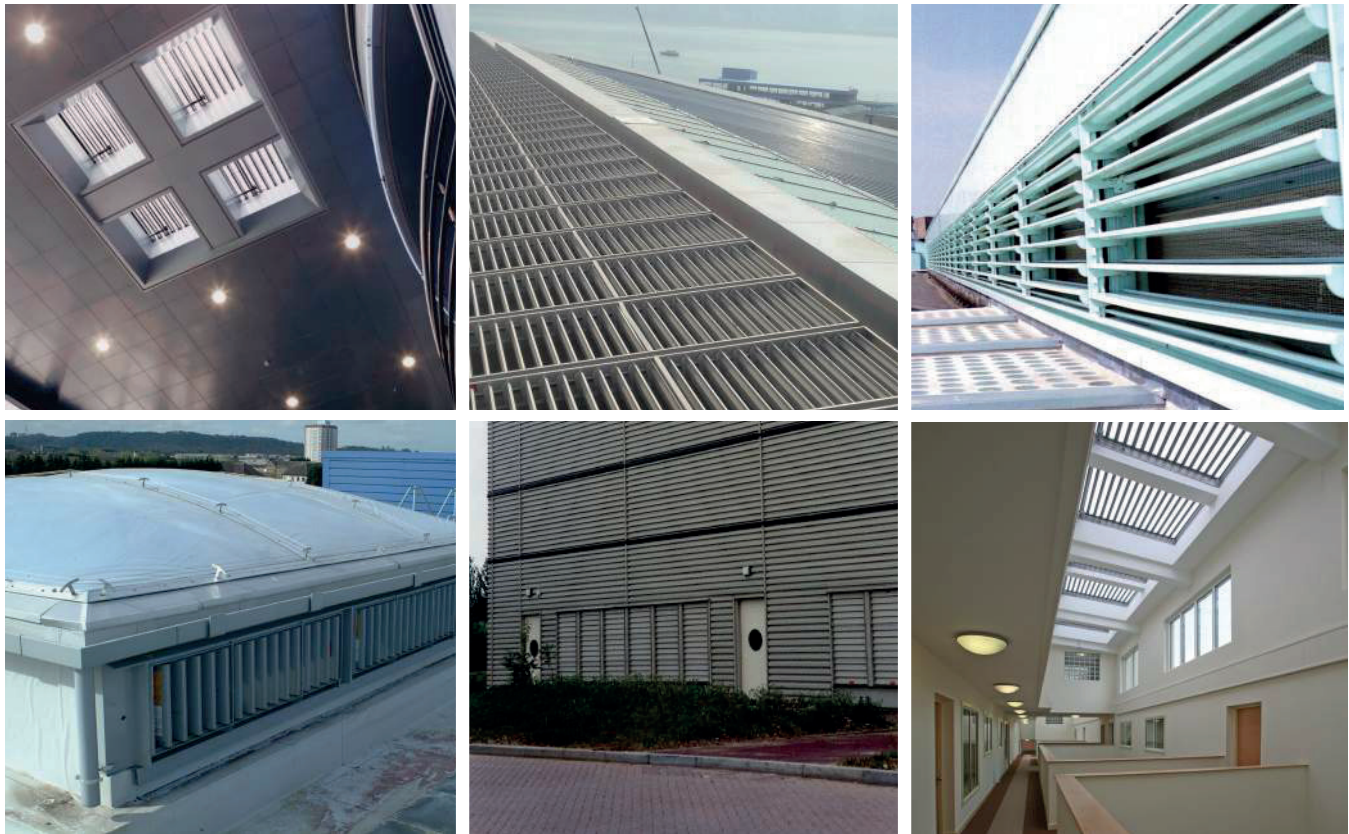
A wide range of options and accessories are available, and the ventilator is designed for durability and low maintenance. Where higher levels of thermal insulation and airtightness are required, the Colt Airlite ventilator offers an enhanced specification. For alternative requirements, the Colt product range includes a variety of natural and smoke ventilators to suit your application. Please contact our team to discuss in more detail.



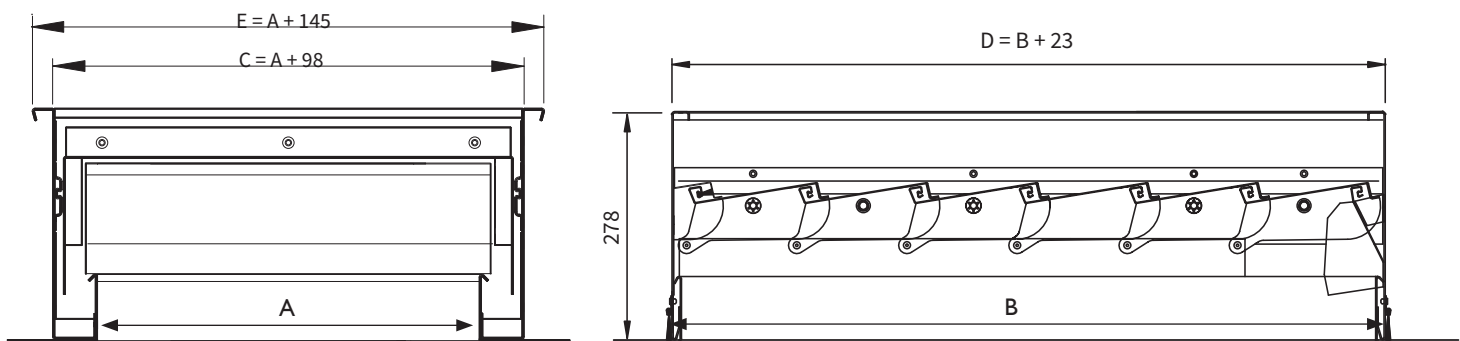
Seefire as termination piece above a fan (guard removed)

Features and Benefits:

- **Wide range of applications** – EN-Seefire is a dual-purpose ventilator for both day-to-day and smoke control ventilation. Also suitable as a termination for ducted or air handling systems, with options for polycarbonate or glass louvres to allow daylight entry.
- **High performance** – Aerodynamically efficient with excellent weather resistance. Please contact our team for specific calculations based on your requirements.
- **Proven compliance** – Independently tested and certified to EN 12101-2:2003
- **Easy to install** – Delivered fully assembled and can be mounted at any angle. A variety of base profiles are available to suit sheeting, curb or glazing applications.
- **FCO slimline flanged option** – Designed for unobtrusive vertical installation into curtain walling or glazing.
- **Weathered ventilation** – Can be installed onto a Colt Weatherlite upstand for natural ventilation in all weather conditions.
- **Durable construction** – Manufactured from corrosion-resistant aluminium (EN AW-3005), with stainless steel fixings and UV-resistant bearings.
- **Quality assured** – Made in the UK under ISO 9001 with a full functional test before dispatch.
- **Low maintenance** – Requires minimal servicing over its lifetime.



DIMENSIONS*



WIDTH CODE

	Throat width dimension A (mm)	Body width dimension CA + 98(mm)
07	576	674
09	726	824
10	876	974
12	1026	1124
13	1176	1274
15	1326	1424
16	1476	1574
18	1626	1724
21	1926	2024
22	2000	2098
23	2126	2224
25	2326	2424

LENGTH CODE

	Throat length dimension B (mm)	Body length dimension D B + 23(mm)**
10	705	728
11	838	861
13	971	994
14	1104	1127
15	1237	1260
17	1370	1393
18	1503	1526
19	1636	1659
21	1769	1792
22	1902	1925
23	2035	2058
25	2168	2191
26	2301	2324
27	2434	2457
29	2567	2590
30	2700	2723
31	2833	2856
32	2966	2989
34	3099	3122
35	3232	3255
36	3365	3388
38	3498	3521

*There are some restrictions on the maximum size of the ventilator if glass louvres are used. Our technical team at Colt UK can advise on this.

** Flange widths and lengths are variable and need to be clarified in each instance. For the minimum dimensions of these, add 140mm to the throat width and 140mm to the throat length.

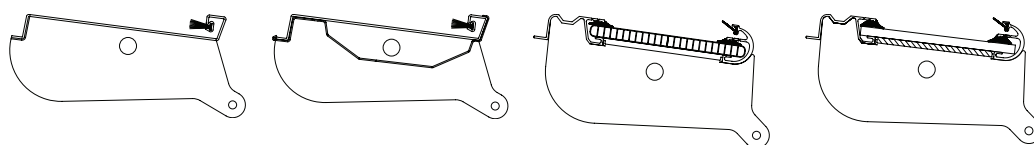
A = Measured throat area, Av - m²

B = Aerodynamic free area, Aa (AvCv) - m²

WIDTH CODE

		07	09	10	12	13	15	16	18	21	22	23	25
10	A	0.41	0.51	0.62	0.72	0.83	0.93	1.04	1.15	1.36	1.41	1.50	1.64
	B	0.28	0.36	0.40	0.47	0.54	0.61	0.65	0.71	0.84	0.86	0.91	1.00
11	A	0.48	0.61	0.73	0.86	0.99	1.11	1.24	1.36	1.61	1.68	1.78	1.95
	B	0.34	0.43	0.48	0.56	0.64	0.72	0.77	0.84	1.00	1.02	1.09	1.19
13	A	0.56	0.70	0.85	1.00	1.14	1.29	1.43	1.58	1.87	1.94	2.06	2.26
	B	0.39	0.49	0.55	0.65	0.74	0.84	0.89	0.98	1.16	1.18	1.26	1.38
14	A	0.64	0.80	0.97	1.13	1.30	1.46	1.63	1.80	2.13	2.21	2.35	2.57
	B	0.45	0.52	0.63	0.74	0.84	0.95	1.01	1.11	1.32	1.35	1.43	1.57
15	A	0.71	0.90	1.08	1.27	1.45	1.64	1.83	2.01	2.38	2.47	2.63	2.88
	B	0.50	0.58	0.70	0.82	0.95	1.07	1.13	1.25	1.48	1.51	1.60	1.76
17	A	0.79	0.99	1.20	1.41	1.61	1.82	2.02	2.23	2.64	2.74	2.91	3.19
	B	0.55	0.65	0.78	0.91	1.05	1.18	1.25	1.38	1.64	1.67	1.78	1.94
18	A	0.87	1.09	1.32	1.54	1.77	1.99	2.22	2.44	2.89	3.01	3.20	3.50
	B	0.61	0.71	0.86	1.00	1.15	1.30	1.38	1.52	1.79	1.83	1.95	2.13
19	A	0.94	1.19	1.43	1.68	1.92	2.17	2.41	2.66	3.15	3.27	3.48	3.81
	B	0.66	0.77	0.93	1.09	1.25	1.41	1.50	1.65	1.95	2.00	2.12	2.32
21	A	1.02	1.28	1.55	1.81	2.08	2.35	2.61	2.88	3.41	3.54	3.76	4.11
	B	0.71	0.83	1.01	1.18	1.35	1.52	1.62	1.78	2.11	2.16	2.29	2.51
22	A	1.10	1.38	1.67	1.95	2.24	2.52	2.81	3.09	3.66	3.80	4.04	4.42
	B	0.77	0.90	1.08	1.27	1.45	1.64	1.74	1.92	2.27	2.32	2.47	2.70
23	A	1.17	1.48	1.78	2.09	2.39	2.70	3.00	3.31	3.92	4.07	4.33	4.73
	B	0.82	0.96	1.16	1.36	1.56	1.75	1.86	2.05	2.43	2.48	2.64	2.89
25	A	1.25	1.57	1.90	2.22	2.55	2.87	3.20	3.53	4.18	4.34	4.61	5.04
	B	0.87	1.02	1.23	1.45	1.66	1.87	1.98	2.19	2.59	2.64	2.81	3.08
26	A	1.33	1.67	2.02	2.36	2.71	3.05	3.40	3.74	4.43	4.60	4.89	5.35
	B	0.93	1.09	1.31	1.53	1.76	1.98	2.11	2.32	2.75	2.81	2.98	3.26
27	A	1.40	1.77	2.13	2.50	2.86	3.23	3.59	3.96	4.69	4.87	5.17	5.66
	B	0.98	1.15	1.39	1.62	1.86	2.10	2.23	2.45	2.91	2.97	3.16	3.45
29	A	1.48	1.86	2.25	2.63	3.02	3.40	3.79	4.17	4.94	5.13	5.46	5.97
	B	1.04	1.21	1.46	1.71	1.96	2.21	2.35	2.59	3.07	3.13	3.33	3.64
30	A	1.56	1.96	2.37	2.77	3.18	3.58	3.99	4.39	5.20	5.40	5.74	6.28
	B	1.09	1.27	1.54	1.80	2.06	2.33	2.47	2.72	3.22	3.29	3.50	3.83
31	A	1.63	2.06	2.48	2.91	3.33	3.76	4.18	4.61	5.46	5.67	6.02	6.59
	B	1.14	1.34	1.61	1.89	2.17	2.44	2.59	2.86	3.38	3.46	3.67	4.02
32	A	1.71	2.15	2.60	3.04	3.49	3.93	4.38	4.82	5.71	5.93	6.31	6.90
	B	1.20	1.40	1.69	1.98	2.27	2.56	2.71	2.99	3.54	3.62	3.85	4.21
34	A	1.79	2.25	2.71	3.18	3.64	4.11	4.57	5.04	5.97	6.20	6.59	7.21
	B	1.16	1.46	1.76	2.07	2.37	2.67	2.84	3.12	3.70	3.78	4.02	4.40
35	A	1.86	2.35	2.83	3.32	3.80	4.29	4.77	5.26	6.22	6.46	6.87	7.52
	B	1.21	1.53	1.84	2.16	2.47	2.79	2.96	3.26	3.86	3.94	4.19	4.59
36	A	1.94	2.44	2.95	3.45	3.96	4.46	4.97	5.47	6.48	6.73	7.15	7.83
	B	1.26	1.59	1.92	2.24	2.57	2.90	3.08	3.39	4.02	4.11	4.36	4.77
38	A	2.01	2.54	3.06	3.59	4.11	4.64	5.16	5.69	6.74	7.00	7.44	8.14
	B	1.31	1.65	1.99	2.33	2.67	3.01	3.20	3.53	4.18	4.27	4.54	4.96

LOUVRE TYPES - U VALUES & AIR PERMEABILITY



Louvre type	A1. Single skin aluminium (with option of low-loss brush seals)	A2. Insulated aluminium (with option of low-loss brush seals)	PC/PO. Twin wall opaque or clear polycarbonate with rubber seals	GR. Single skin Georgian wired laminated or toughened glass with rubber seals
Average complete ventilator U value W/m ² K including upstand*	4.1-4.8 subject to upstand height*	2.4-3.2 subject to upstand height*	2.2-3.3 subject to upstand height*	4.1-4.8 subject to upstand height*

* In many cases a U value of at least 3.0 W/m²K is required to meet the Building Regulations. This value can be achieved or surpassed if the ventilator is installed on an upstand which protrudes above the outer membrane of the roof. Actual u value will be dependent on final size and configuration of both ventilator and upstand. Colt can advise on this. For a low-loss ventilator air permeability varies between 130 and 230m³/hr/m² at 50 Pa, depending on ventilator size.



Colt International Ltd, Colt House, Ridgeway Office Park, Bedford Road, Petersfield GU32 3QF
Telephone: 02392 451111 | E-Mail: info@coltinfo.co.uk | Web: <https://www.colt.info/gb/en>



Colt International Ltd reserves the right to amend product specifications without prior notice. The information and technical details included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified for suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, please contact our technical team, the advice of which should be sought for uses of our products that are not specifically described herein. To ensure you are viewing the most recent and accurate product information, please scan the QR code.