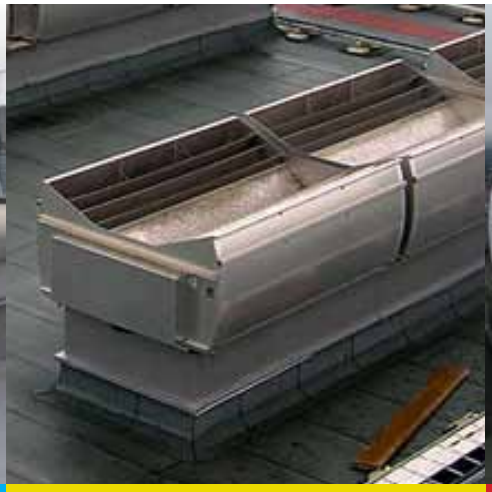
Robertson Ventilation Solutions
by **Zefyr Group**

Zefyr


Gravity roof ventilator
HEATMOVER S-CE

Technical specifications | Material specification | Accessories | Installation details | References



Technical Specifications

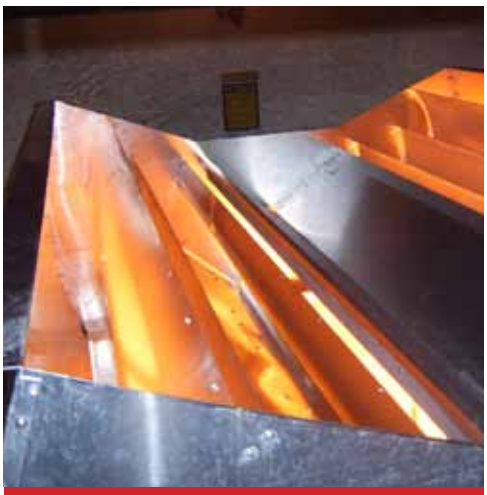
Wwidth of individual unit: max. 2200 mm (1500 mm roof opening)
length of individual unit: max. 3000 mm
height: approx. 1300 mm

- Inherently stable design of aluminium with integrated blades
- Blades: streamline design
- Interlinked rotary flap type setting linkage
- Rotary flaps with setting lever for manual, electrical or
- pneumatic adjustment

Tested Natural Smoke & Heat Exhaust Ventilator
Gravity roof ventilator tested according to CE norm EN 12101-2 with Cv of 0.65 at rain-protected position

Material Specifications

- Gravity roof ventilator with integrated rotary flaps of corrosion resistant aluminium of Al99.5 or AlMg3 alloy
- Minimum material thickness: 2.0 mm
- Bearing pins of aluminium
- Bearings: life-lubricated antifriction bearings (maintenance-free)
- Connecting parts: aluminium or stainless steel



Accessories (optional)

- Electric drive 230 V / 90 W / IP 54 5000N
- Electric drive 400 V 3 ph. 5000N
- Pneumatic drive 8 bar 5000N
- Smoke and heat exhaust equipment (pneumatic cylinder, TW, CO^2 cylinder)
- Anti-noise lining (R´w = 13 dB) double-shell blades (20 mm insulation)
- Powder coating 80 µm in RAL finish
- Anodized
- Bird screen: aluminium/stainless steel/galvanized steel
- Insect screen: stainless steel/plastic
- Muffler (incl. approval certificate)

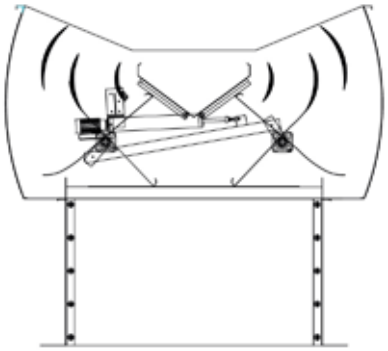
Fire Test at Erwitte Materials Testing Institute

Installation Details

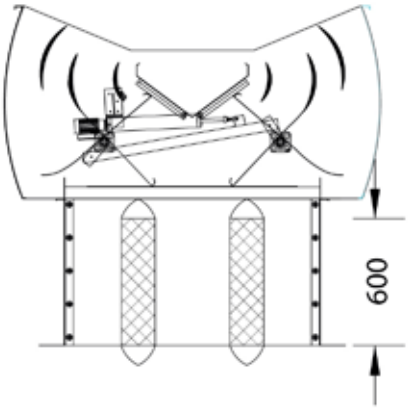
- Daily ventilation and smoke and heat exhaust function at rain-protected position
- Hot environments (steel mills, power plants, glass smelters, foundries, etc.)

Installation details

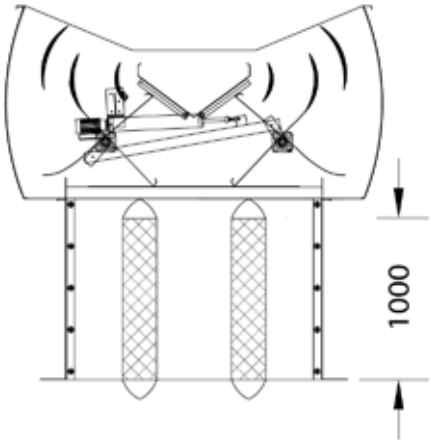
Overview of available versions



HM-S CE
B 600
WL 1500
SL 1500
RE 1000
T-30 (E-Version)
T-25 (PN-Version)
Aw = 2,74m²



HM-S CE (SD 200/600)
B 600
WL 1500
SL 1500
RE 1000
T-30 (E-Version)
T-25 (PN-Version)
Aw = 2,57m²

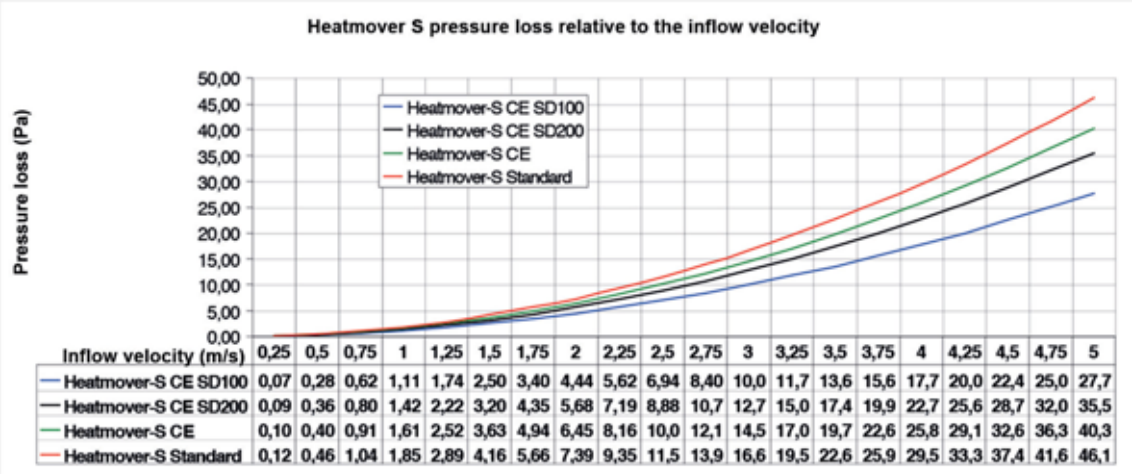


HM-S CE (SD 200/1000)
B 600
WL 1500
SL 1500
RE 1000
T-30 (E-Version)
T-25 (PN-Version)
Aw = 2,36m²

Attenuation HM-S CE									
f (Hz)	63	125	250	500	1k	2k	4k	8k	R'w
dB	1	2	6	10	14	16	17	15	13

Attenuation HM-S CE (SD 200/600)									
f (Hz)	63	125	250	500	1k	2k	4k	8k	R'w
dB	1	2	6	10	14	16	17	15	13

Attenuation HM-S CE (SD 200/1000)									
f (Hz)	63	125	250	500	1k	2k	4k	8k	R'w
dB	1	2	6	10	14	16	17	15	13



Inflow velocity (m/s)	0,25	0,5	0,75	1	1,25	1,5	1,75	2	2,25	2,5	2,75	3	3,25	3,5	3,75	4	4,25	4,5	4,75	5
Heatmover-S CE SD100	0,07	0,28	0,62	1,11	1,74	2,50	3,40	4,44	5,62	6,94	8,40	10,0	11,7	13,6	15,6	17,7	20,0	22,4	25,0	27,7
Heatmover-S CE SD200	0,09	0,36	0,80	1,42	2,22	3,20	4,35	5,68	7,19	8,88	10,7	12,7	15,0	17,4	19,9	22,7	25,6	28,7	32,0	35,5
Heatmover-S CE	0,10	0,40	0,91	1,61	2,52	3,63	4,94	6,45	8,16	10,0	12,1	14,5	17,0	19,7	22,6	25,8	29,1	32,6	36,3	40,3
Heatmover-S Standard	0,12	0,46	1,04	1,85	2,89	4,16	5,66	7,39	9,35	11,5	13,9	16,6	19,5	22,6	25,9	29,5	33,3	37,4	41,6	46,1