

Louvres

Small outdoor grilles



AWA 251 - Aluminium

Advantages

- Light weight grille suitable for ventilation airflows.
- Available from stock in most standard dimensions.

APPLICATION

- Fresh air supply or exhaust of polluted air.
- Wall mounted.

DESCRIPTION

- Frame in extruded aluminium, horizontal rain-hood type fins in extruded aluminium.
- Centre distance of 25 mm between the vanes.
- Internally fitted with a protection grille (diamond shaped) 10 x 30, diameter 0.8 mm.
- Finish – anodised aluminium, natural satin finish.
- Visible fixing, by screwing into the frame.

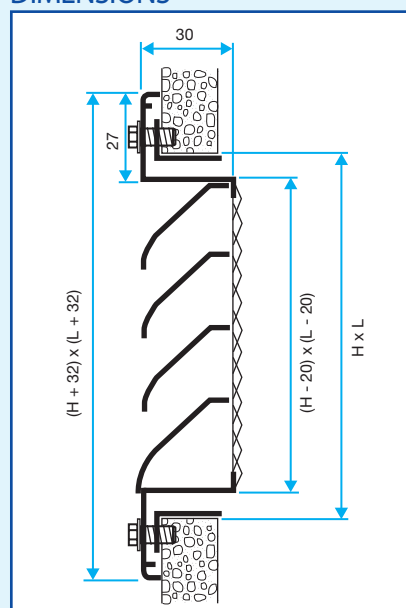
ACCESSORIES

- F4 fitting frame in galvanised sheet steel.
- Rear connector plenum up to 600 x 600 mm (please consult us).

ADDITIONAL RANGE

- Paint finish in accordance with the RAL colour chart (please, consult us).
- All sizes available up to 1200 x 1200 mm (please, consult us).

DIMENSIONS



AWA 251 grille with mounting frame

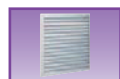
- See selection table on page 292.

RANGE R10

H	L 200 Code	L 250 Code	L 300 Code	L 350 Code	L 400 Code	L 450 Code
100	11152023	11052069	11052024	11052070	11152025	11052071
150	11052027	11052077	11052028	11052078	11052029	11052079
200	11052032	11052084	11052033	11052085	11052034	11052086
250	11052089	11052090	11052091	11052092	11052093	11052094
300	11052126	11052127	11052039	11052128	11052040	11052129
350	11052132	11052133	11052134	11052135	11052136	11052137
400	11052144	11052145	11052146	11052147	11052045	11052148
450	11052149	11052150	11052151	11052152	11052153	11052154

H	L 500 Code	L 600 Code	L 700 Code	L 800 Code	L 900 Code	L 1000 Code
100	11152026	11052072	11052073	11052074	11052075	11052076
150	11052030	11052031	11052080	11052081	11052082	11052083
200	11052035	11052036	11052037	11052038	11052087	11052088
250	11052095	11052096	11052097	11052098	11052099	11052125
300	11052041	11052042	11052043	11052044	11052130	11052131
350	11052138	11052139	11052140	11052141	11052142	11052143
400	11052046	11052047	11052048	11052049	11052050	11052051
450	11052155	11052156	11052157	11052158	11052159	11052160
500	11052052	11052064	11052065	11052066	11052067	11052068
600		11052167	11052168	11052169	11052170	11052171
700		11052172	11052173	11052174	11052175	11052176
800		11052177	11052178	11052179	11052180	11052181

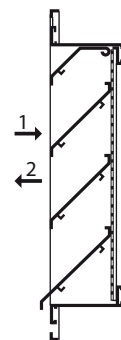
Selection Tables



AWA 251 Series

Air intake and discharge

Af (m²)	L x H (mm)	qv (m³/hr)																Lw Pa1	Vf Pa2			
		250	500	750	1000	1500	2000	2500	3000	3500	4000	5000	6000	7000	8000							
0.010	200 x 100	33 7	88 68																			
0.015	300 x 100	20	36	44	156																	
0.017	200 x 150	4.6	30	9.2	120																	
0.020	400 x 100	–	22	35	80																	
	200 x 200	3.5	17	6.9	60																	
0.025	500 x 100	–	14	26	51	42	115															
	300 x 150	2.8	11	5.5	38	8.3	86															
0.033	400 x 150	–	10	21	39	37	90															
	300 x 200	2.4	8	4.6	29	7.1	70															
0.040	500 x 150		–	22	26	51	38	91														
	400 x 200		3.5	16	5.3	39	7.1	69														
0.050	600 x 150 - 500 x 200		–	13	–	34	33	65	44	120												
	300 x 300		2.7	10	4.3	25	6	50	8.1	90												
0.070	600 x 200				–	19	25	37	36	68												
	400 x 300				3.2	14	4.5	28	6.1	51												
0.080	700 x 200				–	13	–	26	33	55	43	118										
					2.7	18	3.7	20	5.6	43	7.5	89										
0.090	800 x 200 - 500 x 300				20	10	–	20	29	42	39	80	46	125	52	160						
	400 x 400				2.4	8	3.2	15	4.9	33	6.6	60	8.3	94	9.5	130						
0.100	600 x 300						–	16	27	33	36	63	45	98	49	126						
							2.8	12	4.4	26	5.9	47	7.4	73	8.4	102						
0.120	500 x 400						–	10	23	27	33	51	39	80	45	102						
							2.6	8	3.9	21	5.3	38	6.6	59	7.6	83						
0.125	700 x 300							22	24	30	46	38	72	44	93							
								3.7	19	5	35	6.3	55	7.3	76							
0.140	600 x 400							–	16	23	29	30	45	37	65	41	89	46	116			
	800 x 300							3	12	4	22	5	34	5.7	43	6.7	59	7.7	77			
0.150	500 x 500							–	15	22	27	29	42	34	60	39	82	44	107			
								2.9	11	3.8	20	4.8	31	5.5	40	6.4	54	7.3	71			
0.160	700 x 400								21	16	25	25	31	48	36	65	39	85				
									3.4	14	4.3	22	4.9	32	5.7	44	6.5	58				
0.180	600 x 500								21	14	24	22	29	42	34	57	38	74	48	116		
									3.2	12	4	19	4.6	28	5.4	38	6.2	50	7.8	78		
0.190	800 x 400								–	12	23	17	27	32	31	44	37	58	44	91		
									3	11	3.8	15	4.3	21	5	29	5.7	38	7.1	59		
0.210	900 x 400								–	11	–	16	24	26	30	35	34	46	42	72		
	700 x 500								2.8	10	3.5	15	4	19	4.7	26	5.4	34	6.8	53		
0.220	600 x 600								–	10	–	15	25	26	27	30	27	33	34	52		
									2.5	9	3.2	13	3.8	19	4.0	21	4.2	24	5.3	38		
0.240	1000 x 400								–	11	–	15	–	23	27	31	33	41	41	70		
	800 x 500								2.5	9	3.1	12	3.6	17	4.2	23	4.8	30	6.2	50		
0.260	700 x 600								–	9	–	14	–	22	25	30	33	40	41	70		
	600 x 700								2.1	8	2.7	11	3.2	15	3.9	21	4.3	29	5.3	50		
0.270	900 x 500									–	12	–	18	–	25	24	25	30	36			
										2.8	10	3.2	13	3.7	18	3.8	18	4.5	28			
0.295	600 x 800 - 800 x 600									–	11	–	16	–	23	25	28	37	44			
	700 x 700									2.4	10				2.9	11	3.3	16	3.8	20	4.8	31
0.300	1000 x 500										–	14	–	19	35	46	43	72				
											2.8	10	3.3	14	5.1	34	6.3	53				
0.340	700 x 800 - 800 x 700										–	11	–	16	–	20	35	35	39	45	42	60
	900 x 600										2.5	8	2.9	11	3.3	15	4.3	25	5	35	5.9	45
0.360	1000 x 600										–	12	–	14	–	18	31	30	35	40	39	56
											2.4	9	2.7	10	3.2	14	4	23	4.8	31	5.7	43
0.390	900 x 700											–	15	27	22	33	35	38	45			
	800 x 800											2.9	8	3.5	17	4.4	27	5	35			
0.440	1000 x 700											–	13	23	20	30	30	34	36	37	50	
	900 x 800											2.6	10	3.4	15	4	23	4.5	28	5.2	39	
0.480	1000 x 800	Lw Vf	Pa1 Pa2									–	9	–	15	28	23	31	30	33	39	
												2.3	7	2.9	12	3.5	18	4	23	4.6	30	



The values Lw (NR) do not take the attenuation in the premises into account.

Pa1 (Pa) = Pressure loss on air intake.

Pa2 (Pa) = Pressure loss on exhaust discharge.

Af (m²) = Front surface.

Vf (m/s) = Front velocity.