



ABRS4
EXTERNAL LOUVRE

External louvre ABRS4

External louvres

Application

The aluminum anodized external louvres type ABRS4-G are suitable for use in exterior walls, for air and blowing out exhaust air.

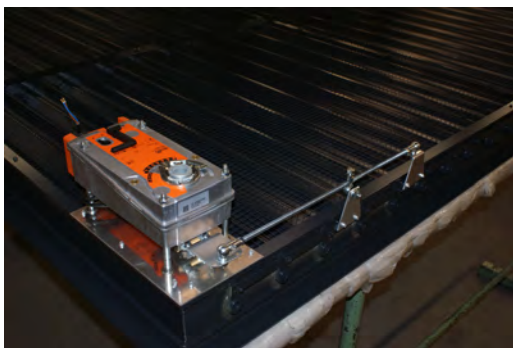
Features

For the supply of air, an air velocity of 2.5 m/s is recommended. For the return air, a maximum velocity of 4 m/s is recommended. The blades are fitted with a double water bar to prevent water ingress. Blades h.t.h. 105 mm; louvre depth 110 mm.

Standard version

The external louvres are manufactured as standard with anodized aluminum profiles, drainage holes at the bottom and fitted at the back with a frame with plastic mesh.

The profiles are not equipped with mounting holes. Optional with manual control type ABRS4-G-H or with servomotor control type ABRS4-G-S.

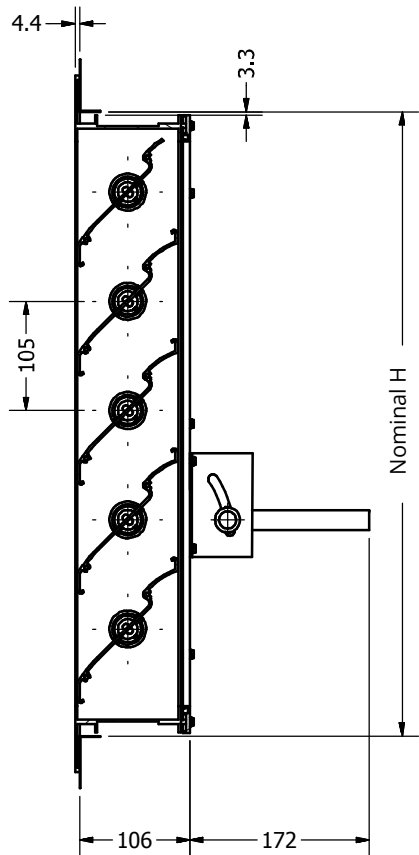
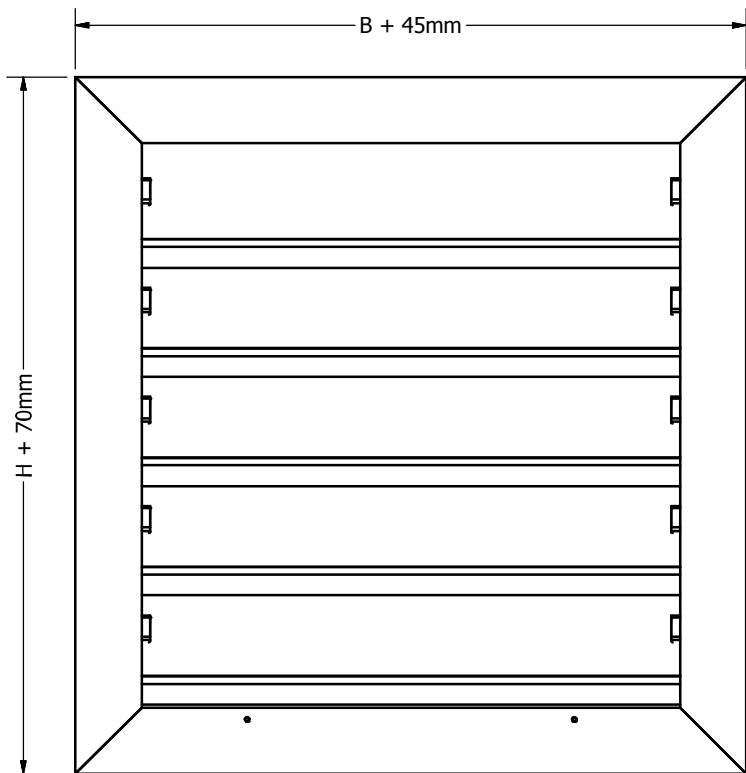
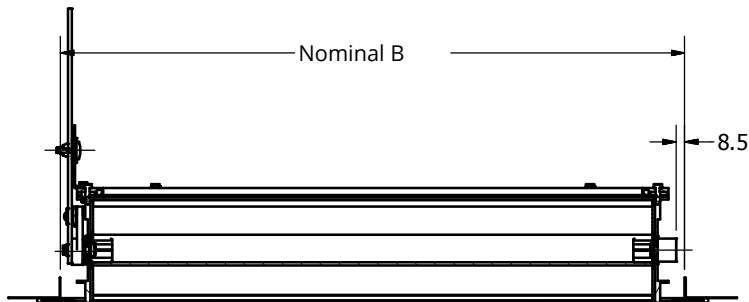
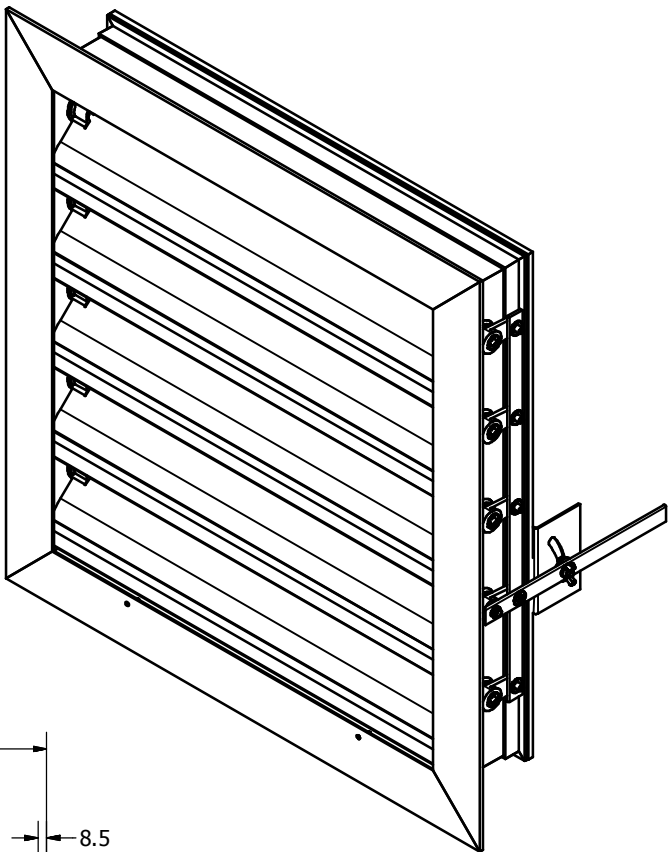
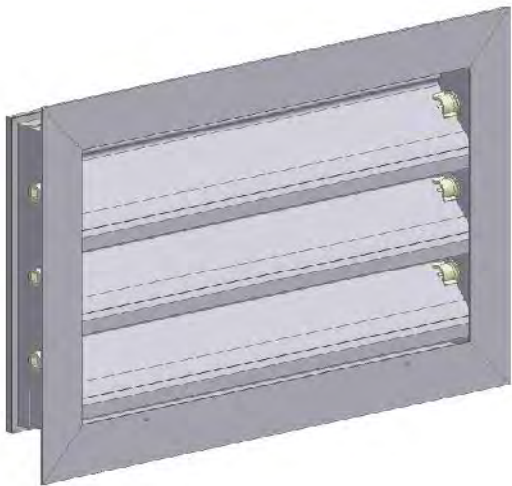


Options

Available with servo motor.
Can be supplied with insect mesh (type ABRS4-I). Can be supplied with stainless steel wire mesh (type ABRS4-V).
Can be equipped with mounting holes.
Available in RAL-colour.
Available with various mounting accessories.
Deliverable with manual operation close spring/open spring.
Manual operation on front side.

Product description ABRS4

A	Airosonic
B	External louvre
R	Louvre
S	Hinged blades
4	Mounting depth 110 mm
-G	Plastic mesh
-V	Stainless steel mesh
-I	Aluminium insect mesh
-H	Manual control
-S	Servo motor



Selection Examples

External louvres ABRS4

		Free area m2						
		Width						
		300	400	500	600	700	800	900
Height	300	0,023	0,032	0,041	0,050	0,060	0,069	0,078
	400	0,036	0,050	0,064	0,078	0,092	0,106	0,120
	500	0,049	0,068	0,087	0,106	0,125	0,144	0,163
	600	0,061	0,085	0,109	0,134	0,158	0,182	0,206
	700	0,074	0,103	0,132	0,161	0,190	0,219	0,249
	800	0,087	0,121	0,155	0,189	0,223	0,257	0,291
	900	0,099	0,138	0,178	0,217	0,256	0,295	0,334
	1000	0,112	0,156	0,200	0,244	0,288	0,333	0,377
	1100	0,125	0,174	0,223	0,272	0,321	0,370	0,419
	1200	0,137	0,192	0,246	0,300	0,354	0,408	0,462
	1300	0,150	0,209	0,268	0,327	0,387	0,446	0,505
	1400	0,163	0,227	0,291	0,355	0,419	0,483	0,547
	1500	0,176	0,245	0,314	0,383	0,452	0,521	0,590
	1600	0,188	0,262	0,336	0,411	0,485	0,559	0,633
	1700	0,201	0,280	0,359	0,438	0,517	0,596	0,676
	1800	0,214	0,298	0,382	0,466	0,550	0,634	0,718
	1900	0,226	0,315	0,405	0,494	0,583	0,672	0,761
	2000	0,239	0,333	0,427	0,521	0,615	0,710	0,804

		Free area m2					
		Width					
		1000	1200	1400*	1600*	1800*	2000*
Height	300	0,087	0,105	0,119	0,137	0,156	0,174
	400	0,135	0,163	0,185	0,213	0,241	0,269
	500	0,182	0,220	0,250	0,288	0,326	0,365
	600	0,230	0,278	0,315	0,364	0,412	0,460
	700	0,278	0,336	0,381	0,439	0,497	0,556
	800	0,325	0,394	0,446	0,515	0,583	0,651
	900	0,373	0,451	0,512	0,590	0,668	0,746
	1000	0,421	0,509	0,577	0,665	0,754	0,842
	1100	0,468	0,567	0,643	0,741	0,839	0,937
	1200	0,516	0,624	0,708	0,816	0,925	1,033
	1300	0,564	0,680	0,774	0,892	1,010	1,128
	1400	0,612	0,740	0,839	0,967	1,095	1,224
	1500	0,659	0,797	0,905	1,043	1,181	1,319
	1600	0,707	0,855	0,970	1,118	1,266	1,415
	1700	0,755	0,913	1,035	1,194	1,352	1,510
	1800	0,802	0,971	1,101	1,269	1,437	1,605
	1900	0,850	1,028	1,166	1,345	1,523	1,701
	2000	0,898	1,086	1,232	1,420	1,608	1,796

For other sizes, free area in m2=(B-0.046)x((0.50H)-0.059).

* For widths > 1,200 mm, the grille is provided with a center post.

Pressure drop free area							
Air velocity m/s	2	2,5	3	3,5	4	4,5	5
ΔP in Pa inlet	8	12	17	24	30	39	47
ΔP in Pa exhaust	5	8	11	16	20	26	31



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