

# -B/03 series supply air grilles

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## -B/03 seriee SUPPLY AIR GRILLES

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### FEATURES

Supply air grille with individually adjustable vertical flaps.

**Material of construction:** anti-condensation PVC

**Color:** White RAL 9010

**Flaps pitch:** 20mm

**Extinguishing grade:** Class V0

**Operating temperature:** -30°C/+60°C

**Fixing methods:** Clips, screws, magnets

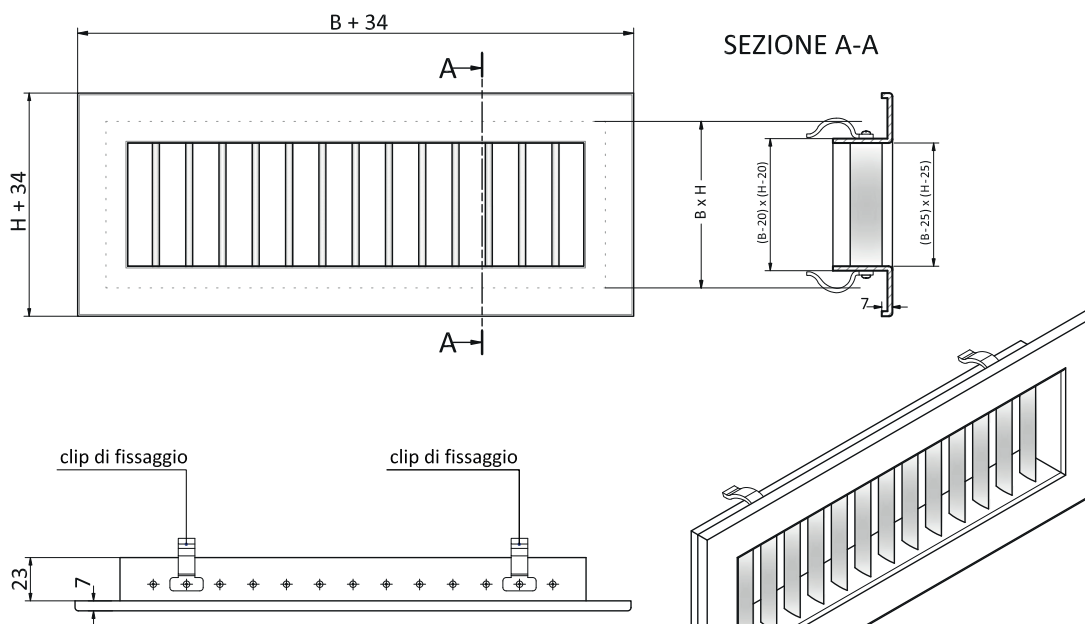
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### ACCESSORIES (optional)

- Calibration dampers -S/01 series,
- Galvanized sheet metal counterframes -C/01 series,
- Polycarbonate plenums -EP/01 series or PVC plenums. For sizes 200/300/400x100, "VMAD" adapters are also usable.

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### DIMENSIONS



**B x H : HOLE MEASURES (in mm)**

( B is always the hole measurement taken on the larger side of it while  
H is always the hole measurement taken on the smaller side )

## QUICK SELECTION TABLE

Code	Hole size BxH	Actual crossing area [m <sup>2</sup> ]	Flow rate (m <sup>3</sup> /h) with v= 1 m/s	Flow rate (m <sup>3</sup> /h) with v= 2 m/s	Flow rate (m <sup>3</sup> /h) with v= 2.5 m/s	Flow rate (m <sup>3</sup> /h) with v= 3 m/s	Flow rate (m <sup>3</sup> /h) with v= 4 m/s
	[mm]		Pressure drop: 2 Pa	Pressure drop: 4 Pa	Pressure drop: 7 Pa	Pressure drop: 9 Pa	Pressure drop: 15 Pa
-B/03200X100B	200x100	0.0130	47	94	117	140	188
-B/03300X100B	300x100	0.0200	72	144	180	216	288
-B/03400X100B	400x100	0.0270	97	194	243	292	388
-B/03500X100B	500x100	0.0340	122	245	306	367	490
-B/03600X100B	600x100	0.0410	148	295	369	443	590
-B/03300X150B	300x150	0.0330	119	238	297	356	476
-B/03400X150B	400x150	0.0450	162	324	405	486	648
-B/03500X150B	500x150	0.0570	205	410	513	616	820
-B/03600X150B	600x150	0.0690	248	497	621	745	994
-B/03700X150B	700x150	0.0810	292	583	729	875	1166
-B/03800X150B	800x150	0.0930	335	670	837	1004	1340
-B/03200X200B	200x200	0.0300	108	216	270	324	432
-B/03300X200B	300x200	0.0470	169	338	423	508	676
-B/03400X200B	400x200	0.0630	227	454	567	680	908
-B/03500X200B	500x200	0.0800	288	576	720	864	1152
-B/03600X200B	600x200	0.0970	349	698	873	1048	1396
-B/03700X200B	700x200	0.1130	407	814	1017	1220	1628
-B/03800X200B	800x200	0.1300	468	936	1170	1404	1872
-B/031000X200B	1000x200	0.1630	587	1174	1467	1760	2348
-B/03300X300B	300x300	0.0730	263	526	657	788	1052
-B/03400X300B	400x300	0.0990	356	720	891	1069	1440
-B/03500X300B	500x300	0.1260	454	907	1134	1361	1814
-B/03600X300B	600x300	0.1520	547	1094	1368	1642	2188
-B/03800X300B	800x300	0.2040	734	1469	1836	2203	2938
-B/031000X300B	1000x300	0.2570	925	1850	2313	2776	3700
-B/03400X400B	400x400	0.1360	490	979	1224	1469	1958
-B/03600X400B	600x400	0.2070	745	1498	1863	2236	2996
-B/03800X400B	800x400	0.2790	1004	2009	2511	3013	4018
-B/031000X400B	1000x400	0.3510	1264	2572	3159	3791	5054

v = crossing speed

**Parameters for calculating flow rates** : 0° inclined flaps - shutter closed (if applicable) = 0% - supplied air temperature = 16°C - room air temperature = 26°C.

Correspondence between the value of the crossing speed **v** and the noise index **NR**, with an indication of the type of installation environment:

- for v = 1 m/s - noise index NR<10 (in all rooms for v.m.c. systems)
- for v = 2 m/s - noise index 10<NR<15 (concert halls, libraries)
- For v = 2.5 m/s - noise index 15<NR<20 (apartments, hotel rooms, hospital rooms)
- For v = 3 m/s - noise index 20<NR<25 (hotel rooms, radio studios)
- for v = 4 m/s - noise index 30<NR<35 (offices in general, restaurants)

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## GRILLE FIXING SYSTEMS (AMONG THEM ALTERNATIVE): CLIPS, SCREWS, MAGNETS

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Each of the three systems is not included in the supply price of the grille but is quoted separately. Unless otherwise specified by the customer, FITT AGIX provides the standard fastening system, i.e., the one with the clips that are delivered already attached to the grille.

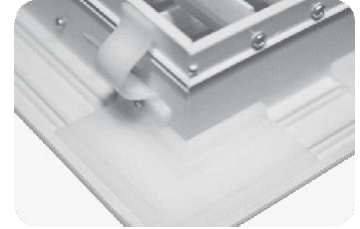
Of the three fixing systems, the one with screws, in particular, corresponds to a grille that is not provided with holes and therefore delivered aesthetically identical to a grille provided with clips or magnets.

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### Clips (standard, separate)

The set of clips supplied with each grille is in a number dependent on the size of the grille. In particular:

- to the grille having the largest side B measuring less than or equal to 600 mm corresponds no.4 clips per set,
- to the grille having the largest side B measuring between 700 mm and 1000 mm corresponds n.6 clips for each set.




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### Screws (upon request, separately)

The screws, made of galvanized steel, are supplied painted RAL 9010 on the heads. The vent frame is easily drilled by the customer, who can freely choose the location of the holes. A set of No. 4 screws is provided for any size of vents, except for vents having the largest side equal to 1000 mm for which the set provides No. 8 screws.



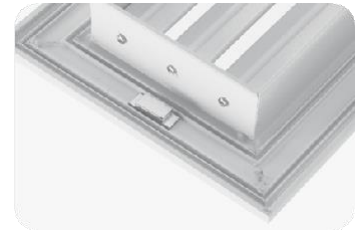

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### Magnets (upon request, separately)

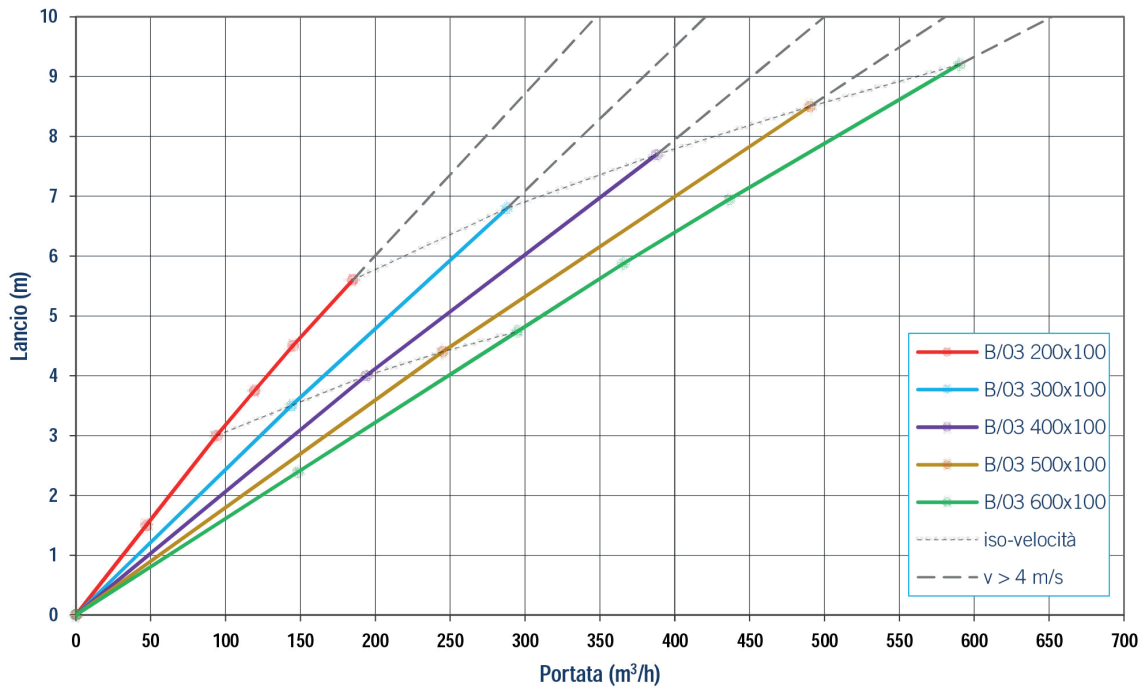
The magnet attachment system is particularly suitable where there is a need for frequent maintenance. The magnets are supplied already assembled with the grille. The set of magnets supplied with each grille is in a number dependent on the nominal size of the grille:

	Set of no.4 magnets	Set of no.6 magnets	Set of no.8 magnets	Set of no.10 magnets
Nom. measurements. grille BxH	200x100	600x100	800x150	1000x200
	300x100	600x150	800x200	1000x300
	400x100	700x150	800x300	1000x400
	500x100	500x200	800x400	
	300x150	600x200		
	400x150	700x200		
	500x150	500x300		
	200x200	600x300		
	300x200	600x400		
	400x200			
	300x300			
	400x300			
	400x400			

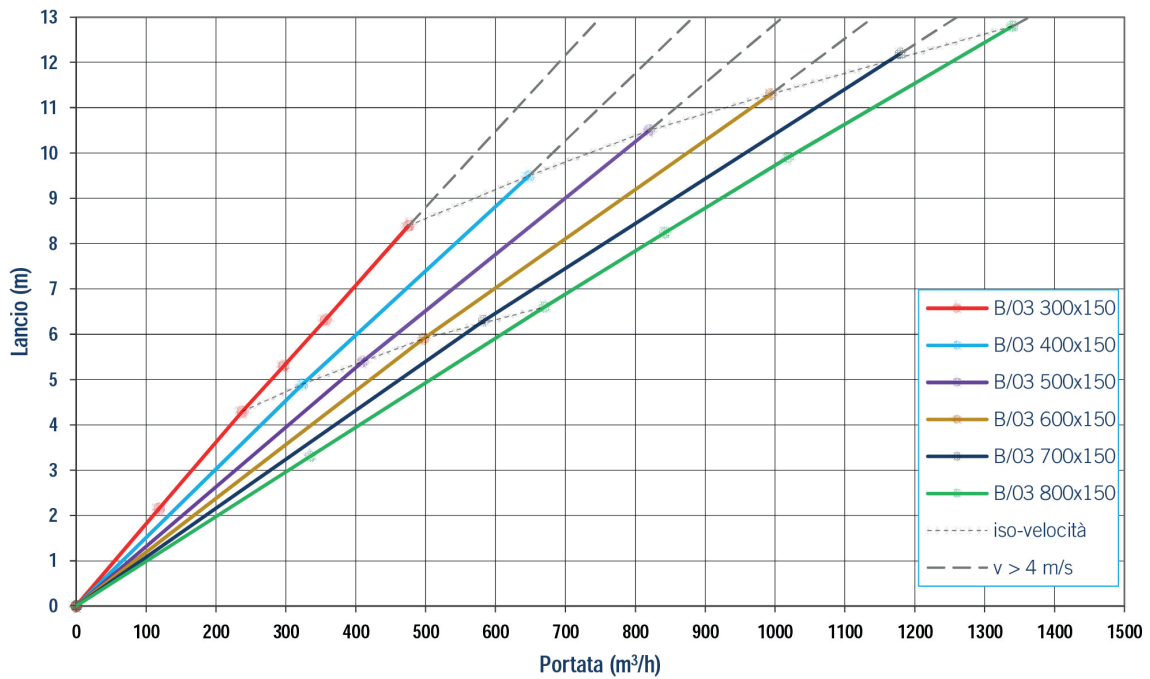
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Lancio (in mt, calcolato con velocità terminale  $v_t = 0,25$  m/s) delle bocchette B/03 di misura nominale H=100 mm

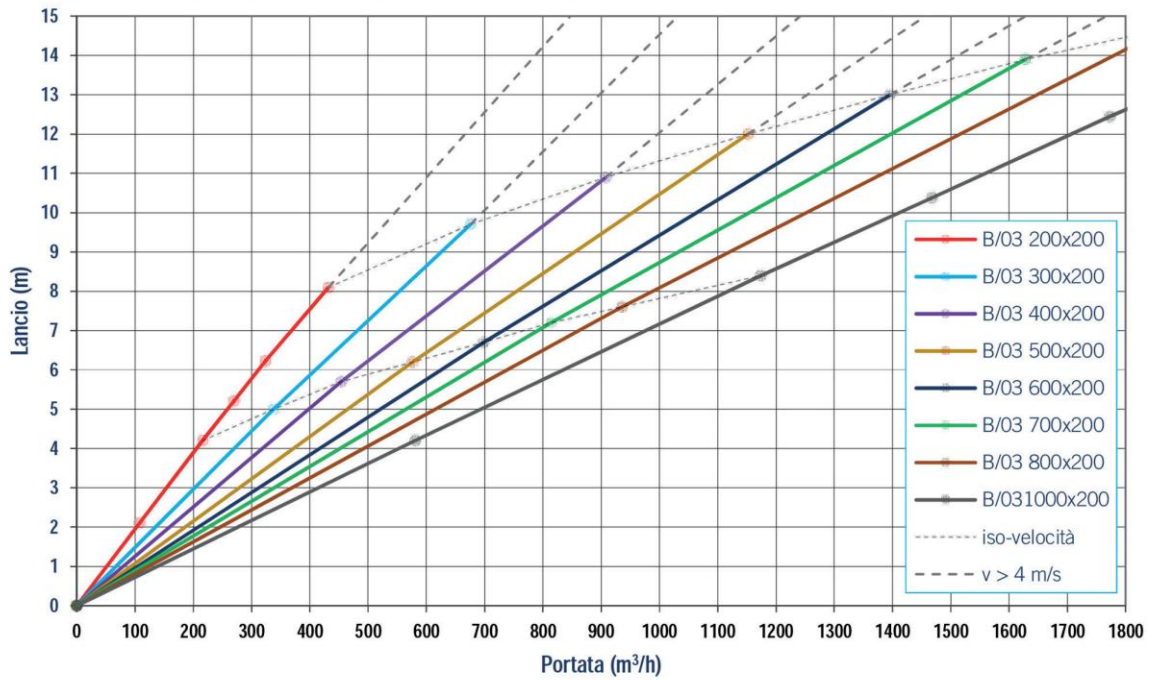


Lancio (in mt, calcolato con velocità terminale  $v_t = 0,25$  m/s) delle bocchette B/03 di misura nominale H=150 mm

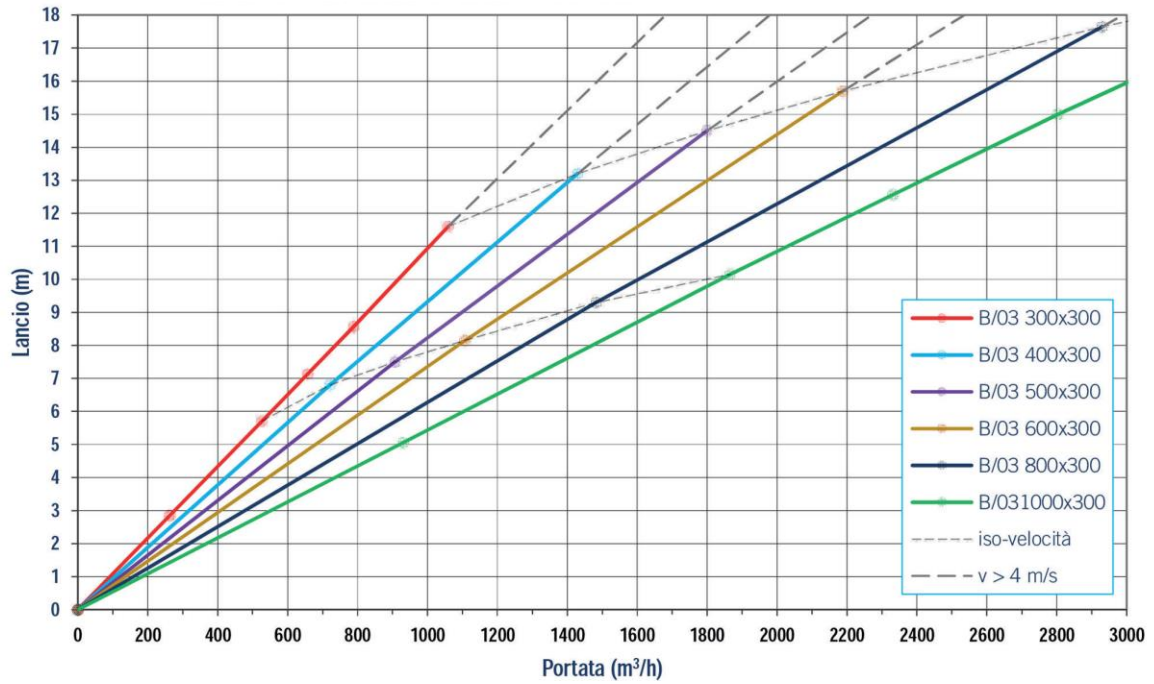


GRAPHICS

Lancio (in mt, calcolato con velocità terminale  $v_t = 0,25$  m/s) delle bocchette B/03 di misura nominale H=200 mm



Lancio (in mt, calcolato con velocità terminale  $v_t = 0,25$  m/s) delle bocchette B/03 di misura nominale H=300 mm



Lancio (in mt, calcolato con velocità terminale  $v_t = 0,25$  m/s) delle bocchette B/03 di misura nominale H=400 mm

