

# EBL3 20/0° Linear grilles with horizontal fixed bars with filter



## Description

Aluminium exhaust grilles with fixed horizontal blades with 0° deflection, with the insertion of a special profile or counter-frame that allows for a flat filter for coarse and fine dust to be housed.

## Characteristics

Material: aluminium.  
Finish: painted RAL9016.  
Filter: COARSE class (G2) thickness 12 mm.

## Installation

Installation is carried out by opening the special brackets in the counter-frame or, alternatively, by securing the latter to the wall or duct using screws.

## Use

For external or indoor air exhaust where dust pre-filtration is recommended.  
Initial pressure drop lower than 40 Pa with 1.5 m/s speed on the filter.

## Models

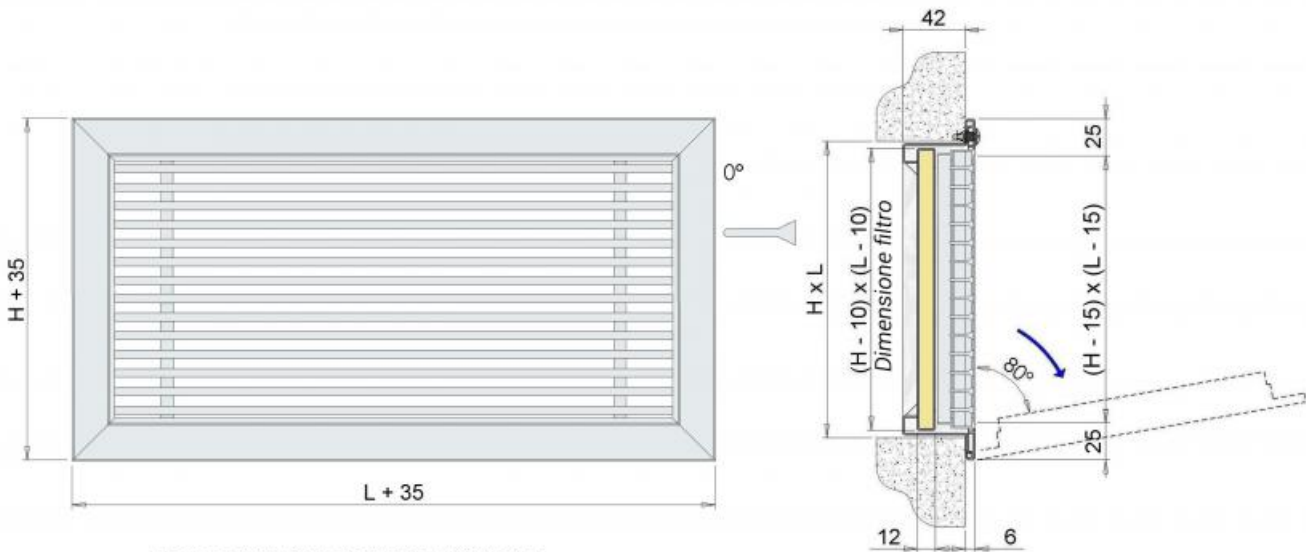
EBL3 20/0°: grille with special counter-frame secured with a hinge to the grille frame to allow for easy filter maintenance. Closing by means of a screw mechanism.

## Accessories

- EPZ galvanised plenum;
- EPI insulated plenum.

## On request

Fastening with magnet or knob.



**EBL3 20/0° DIMENSIONI FRONTALI**  
**FRONTAL DIMENSIONS EBL3 20/0°**

## Effective cross-section

All dimensions are expressed in mm.

H	L				
	400	500	600	800	1000
	effective cross-section of the grille m <sup>2</sup>				
150	0,031	0,039	0,047	0,064	0,080
200	0,042	0,053	0,064	0,086	0,108
300	0,063	0,079	0,097	0,130	0,164

## Operating data

m<sup>3</sup>/h: flow rate

Pa: pressure drops in Pascal

dB(A): noise level

V: face velocity on the filter (m/s)

An air velocity on the filter of 1.5 m/s is recommended to contain pressure drops and maintain filtration efficiency; the flow rate data in the table refers to the grille with the filter.

All dimensions are expressed in mm

H	V m/s	L				
		400	500	600	800	1000
		air flow rate m <sup>3</sup> /h				
150	1,5	324	405	486	648	810
	2	432	540	648	864	1080
200	1,5	400	505	605	810	1015
	2	535	670	805	1080	1355
300	1,5	610	765	925	1235	1550
	2	810	1025	1230	1650	2065

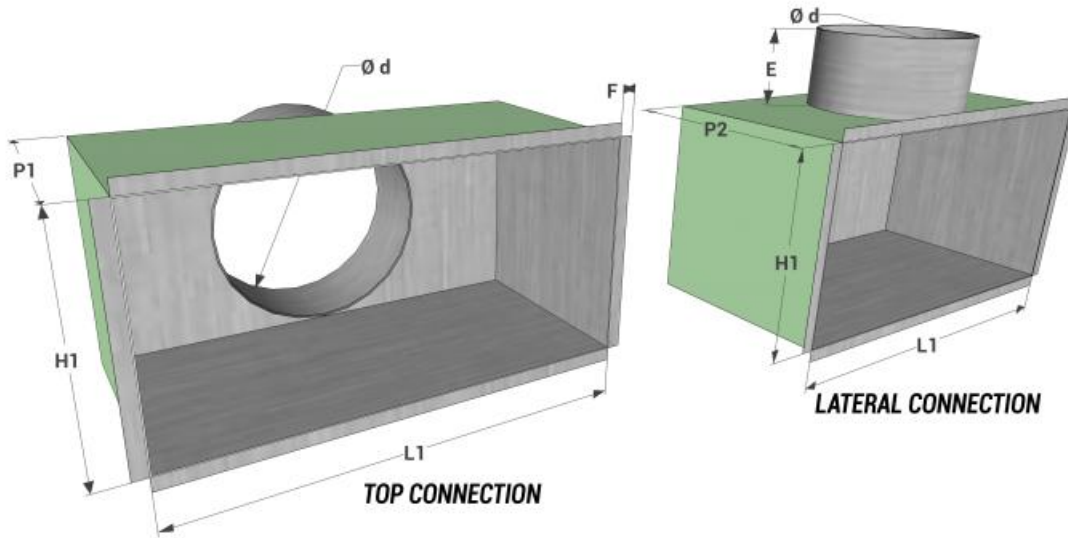
## Noise level dB(A)

V m/s	dB(A)
1,5	32/38
2	39/45

### Pressure drop (Pa)

V m/s	Pa
1,5	35/38
2	62/68

### Plenum box for EBL3 20/0°



model L1 x H1	top connection			lateral connection			E	F
	P1	no. connections	Ø d	P2	no. connections	Ø d		
400x150	200	1	148	250	1	148	80	12
500x150	200	2	148	250	2	148	80	12
600x150	200	2	148	250	2	148	80	12
800x150	200	2	148	250	2	148	80	12
1000x150	200	3	148	250	3	148	80	12
400x200	200	1	198	300	1	198	80	12
500x200	200	1	198	300	1	198	80	12
600x200	200	2	198	300	2	198	80	12
800x200	200	2	198	300	2	198	80	12
1000x200	200	2	198	300	2	198	80	12
400x300	200	1	248	350	1	248	80	12
500x300	200	1	248	350	1	248	80	12
600x300	200	2	198	350	2	248	80	12
800x300	200	2	248	350	2	248	80	12
1000x300	200	2	248	350	2	248	80	12

### Price list

dimensions	EBL3 20/0° painted white RAL9016	top connection		lateral connection	
		EPZ galvanized plenum	EPI isolated plenum	EPZ galvanized plenum	EPI isolated plenum
LxH	euro	euro	euro	euro	euro
400x150	▼	▼	▼	▼	▼
500x150	▼	▼	▼	▼	▼
600x150	▼	▼	▼	▼	▼
800x150	▼	▼	▼	▼	▼
1000x150	▼	▼	▼	▼	▼
400x200	▼	▼	▼	▼	▼
500x200	▼	▼	▼	▼	▼
600x200	▼	▼	▼	▼	▼
800x200	▼	▼	▼	▼	▼
1000x200	▼	▼	▼	▼	▼
400x300	▼	▼	▼	▼	▼
500x300	▼	▼	▼	▼	▼
600x300	▼	▼	▼	▼	▼
800x300	▼	▼	▼	▼	▼
1000x300	▼	▼	▼	▼	artDS1701232