



VENTILATION GRILLES IN ABS

TE-BA
SERIES

MATERIALS
ASSEMBLY DIMENSIONS

Overview :

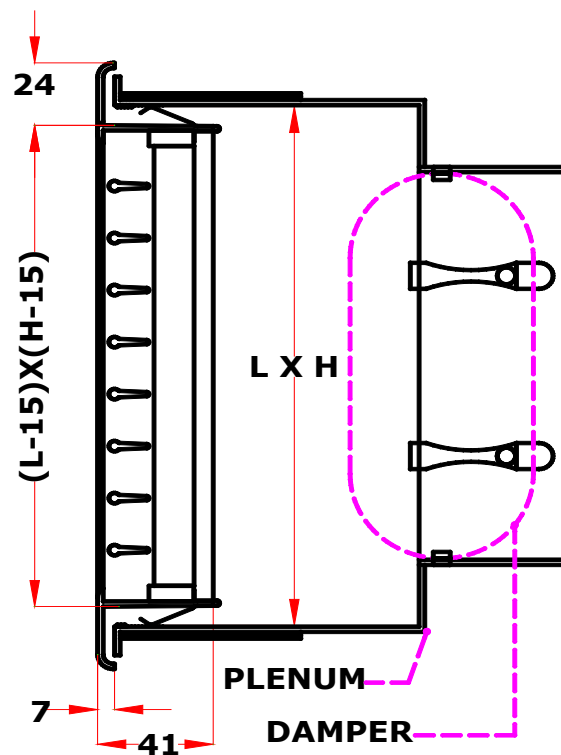
The TE-BA grille is a double layer of adjustable blades. Each layer can be positioned separately (horizontally or vertically) and adjusted according to specific project requirements. Built specifically for both wall and ducts installations, recognisable from the single structure of the body of the grille made entirely in ABS class V0 RAL 9010. The drip design of the blades with a 20mm pitch are also made from ABS class V0 RAL 9010 and are very easily adjustable simultaneously. Studied to be used in conjunction with the PAaxb plenum, fixed by clips but can also be fitted to a standard steel plenum.

Accessories :

Plenum in ABS complete with damper (refer to table TE-PA for details).

Installation :

Fixing to duct using clips. Wall mounting using clips on plenum TE-PA.





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PERFORMANCE

$L \times H$ (mm)		Air Flow	Throw T (m)	Δps (Pa)	Lp dB(A)	Front section (m ²)
200	100	100	2,6	1,6	<20	0,012
300	100		2,2	0,6	<20	0,018
200	100	200	5,2	6,4	30	0,012
300	100		4,3	2,5	<20	0,018
400	100		3,8	1,6	<20	0,024
300	150		3,6	0,9	<20	0,032
300	100	300	6,5	5,7	30	0,018
400	100		5,7	3,5	24	0,024
300	150		5,4	2,0	<20	0,032
400	150		4,8	1,2	<20	0,041
400	100	400	7,6	6,2	33	0,024
300	150		7,2	3,5	25	0,032
400	150		6,4	2,1	<20	0,041
500	150		5,8	1,2	<20	0,053
400	200		5,6	1,0	<20	0,059
300	150	500	9,0	5,4	32	0,032
400	150		8,0	3,2	25	0,041
500	150		7,2	1,9	<20	0,053
600	150		6,7	1,3	<20	0,064
400	200		8,4	1,6	<20	0,059
500	200		6,4	1,0	<20	0,076
400	150	600	9,5	4,6	30	0,041
500	150		8,7	2,8	24	0,053
600	150		8,0	1,9	20	0,064
400	200		8,4	2,3	22	0,059
500	200		7,6	1,4	<20	0,076
600	200		7,0	0,9	<20	0,093

The data in the above table refer to the following conditions:

Terminal velocity $V_t=0,25$ m/s, $\Delta T= -10^\circ\text{C}$, distance from ceiling 300mm,

indicated pressure: static pressure Δps (Pa) with 100% opened damper.

Sound: Sound pressure level Lp dB(A) with absorption equal to 10dB of the chamber

The throws indicated for a blade angel of $\alpha^\circ=0$. For installation distances between 400mm and 600mm, the blades must be angled at $\alpha^\circ=15^\circ$ towards the ceiling.

Correction coefficient for the throw :

With $\Delta T 0^\circ\text{C}$ isothermal condition, multiply the throw by 1,1;

With $\Delta T +10^\circ\text{C}$ isothermal condition, multiply the throw by 1,2.

The throws change in relation to the diffusion angle on the blades.

For angles different to 0° , multiply the throw by the value for k in the table.

α	k
15	0,97
45	0,71
60	0,50



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$L \times H$ (mm)		Portata (m ³ /h)	Lancio T (m)	Δps (Pa)	Lp dB(A)	Sezione (m ²)
400	150	700	11,1	6,3	35	0,041
500	150		10,1	3,8	29	0,053
600	150		9,3	8,1	24	0,064
400	200		9,8	3,1	26	0,059
500	200		8,9	1,9	20	0,076
600	200		8,2	1,2	<20	0,093
500	150	800	11,5	5,0	33	0,053
600	150		9,3	3,4	28	0,064
400	200		11,2	4,0	30	0,059
500	200		10,2	2,4	24	0,076
600	200		9,4	1,6	<20	0,093
600	150	900	12,0	4,3	31	0,064
400	200		12,6	5,1	33	0,059
500	200		11,4	3,1	27	0,076
600	200		10,6	2,0	22	0,093
600	150	1000	13,3	5,3	34	0,064
400	200		14,0	6,3	37	0,059
500	200		12,7	3,8	30	0,076
600	200		11,7	2,5	25	0,093
500	200	1100	14,0	4,6	33	0,059
600	200		11,7	3,0	28	0,076
500	200	1200	15,2	5,5	36	0,076
600	200		14,1	3,6	30	0,093
500	200	1300	16,5	6,4	38	0,076
600	200		15,2	4,2	33	0,093
500	200	1400	17,8	7,5	41	0,076
600	200		16,4	4,9	35	0,093

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indicated pressure: static pressure Δps (Pa) with 100% opened damper.

Sound: Sound pressure level Lp dB(A) with absorption equal to 10dB of the chamber

The throws indicated for a blade angle of $\alpha=0$. For installation distances between 400mm and 600mm, the blades must be angled at $\alpha=15^\circ$ towards the ceiling.

Correction coefficient for the throw :

With $\Delta T 0^\circ\text{C}$ isothermal condition, multiply the throw by 1,1;

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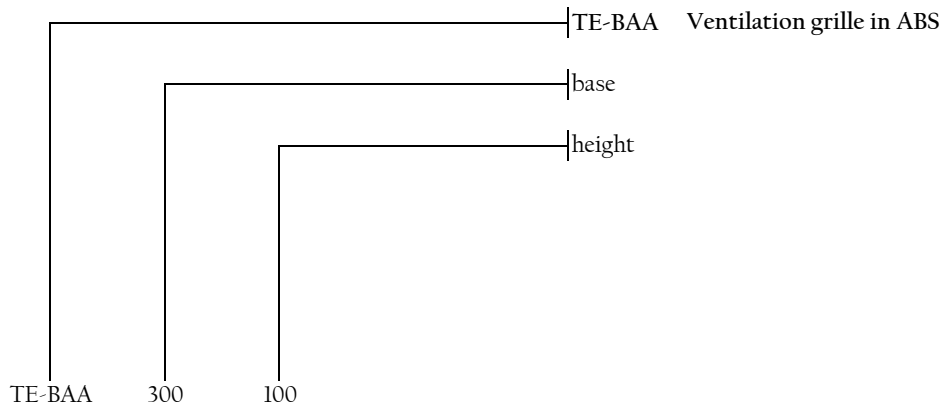
α	k
15	0,97
45	0,71
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HOW TO ORDER



Suitable bases
200
300
400
500
600

Suitable heights
100
150
200