



High-induction linear bar grille

Product description

High induction linear grille for supplying or returning air, KOOLAIR, model **31-HI** of dimensions LxH, with horizontal fixed blades at 5° or 15° deflection (reversible core). It can incorporate volume control damper **(-O)** and fixation accessory to be determined.

Finished in anodised aluminium or any RAL colour upon request.

Other models

31-HI-G. Linear bar grille with fixed blades (deflection 5° or 15°), with secondary deflection.

Mounting

With pressure clips. Mounting frame needed **(-MM)**.

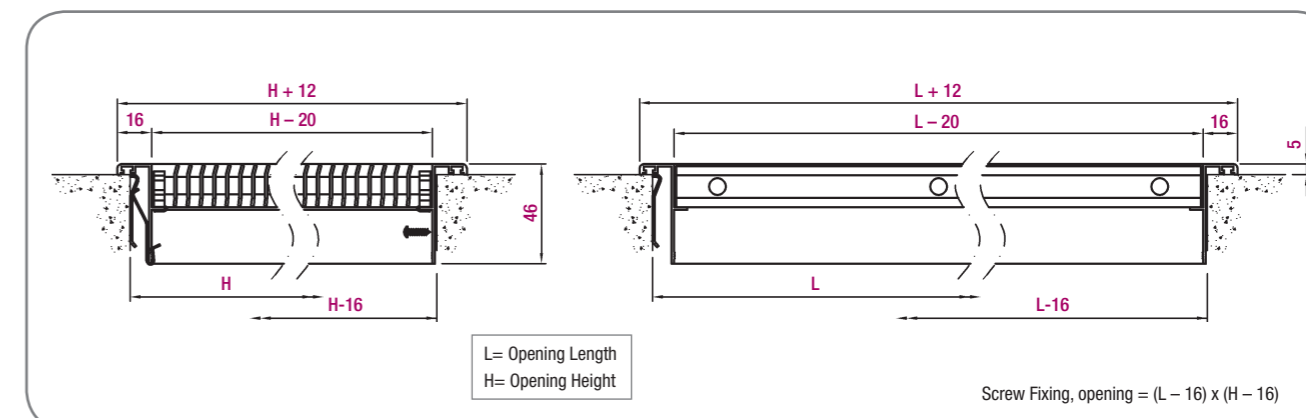
With screws **(-T)**. The grille is provided with holes for screwing the mounting frame.

With plenum box made of galvanised steel sheet, with side or top spigot connection **(-PE21/20)**.

PM. With mounting bridge.



General dimensions



Selection table

Dimension	Q (m³/h)	L _{wa} [dB(A)]	ΔP _t (Pa)	X (m)	V _k (m/s)
325 x 125	300	24	9	3.7	3.6
	400	32	15	4.9	4.8
	530	40	27	6.5	6.4
425 x 125	360	24	7	3.9	3.3
	490	32	13	5.3	4.5
	650	40	24	7.0	6
525 x 125	430	24	7	4.2	3.2
	600	32	13	5.8	4.5
	750	40	21	7.2	5.6
625 x 125	490	24	6	4.3	3.1
	710	32	13	6.3	4.4
	850	40	19	7.5	5.3
425 x 225	640	24	6	4.9	3.3
	850	32	10	6.5	4.3
	1100	40	17	8.4	5.6
525 x 225	750	24	5	5.2	3.1
	1000	32	9	6.9	4.1
	1300	40	15	8.9	5.4
625 x 225	850	24	5	5.4	2.9
	1150	32	8	7.3	4.0
	1500	40	14	9.5	5.2
825 x 225	1150	24	5	6.3	3.0
	1500	32	8	8.2	3.9
	2000	40	15	11.0	5.3
625 x 325	1200	24	4	6.3	2.9
	1600	32	8	8.4	3.8
	2150	40	14	11.3	5.2
825 x 325	1500	24	4	6.9	2.7
	2000	32	7	9.1	3.6
	2650	40	12	12.1	4.8

The Selection Table shows a summary of dimensions. Other sizes available. Consult the Sales Department.



LEGEND

Q (m³/h): Air flow.
 L_{wa} [dB(A)]: Sound power level.
 ΔP_t (Pa): Total pressure loss.
 X (m): Throw for a maximum velocity of 0.25 m/s at the occupied zone
 ΔT = 0 °C, installed at 3 m of height, with ceiling effect.
 V_k (m/s): Effective velocity.