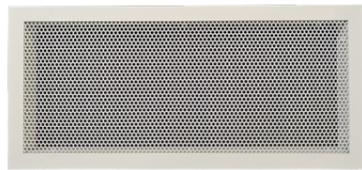


21-FR-R



Perforated sheet grille

Product description

KOOLAIR perforated sheet grille, model 21-FR-R, with L x H dimensions, for supply or return. Made of galvanised sheet steel, with standard Ø4.8 mm round perforation - 6.4 mm grid element spacing, and available with other perforation patterns, i.e., Ø5 mm - 8 mm grid element spacing.

The grille can include a control damper (-O) and fixing accessories to be determined.

Painted in RAL colour to be defined.

Fixings

With clips. Mounting frame (-MM) needed.

SFO. Hidden fixing system. Mounting frame (-MM) needed.

SFO-PT. Includes hidden fixing system for installation on walls and ceilings 5 to 40 mm thick, which does not require a mounting frame.

T. With screws. Unless otherwise specified, the grille comes with countersunk holes for screws.

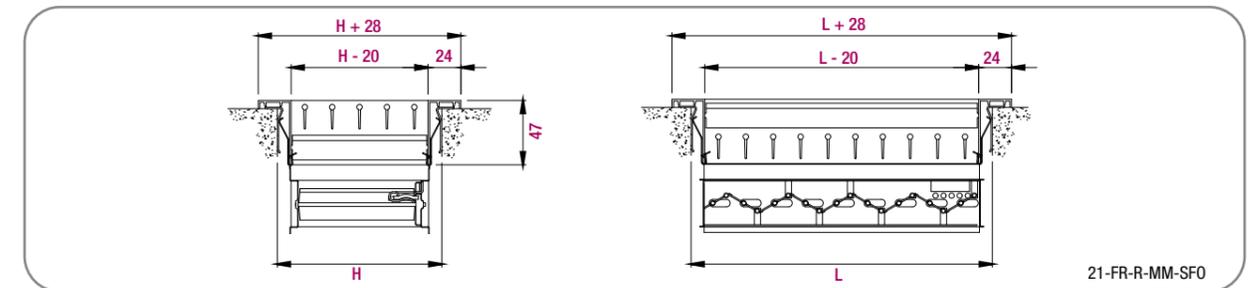
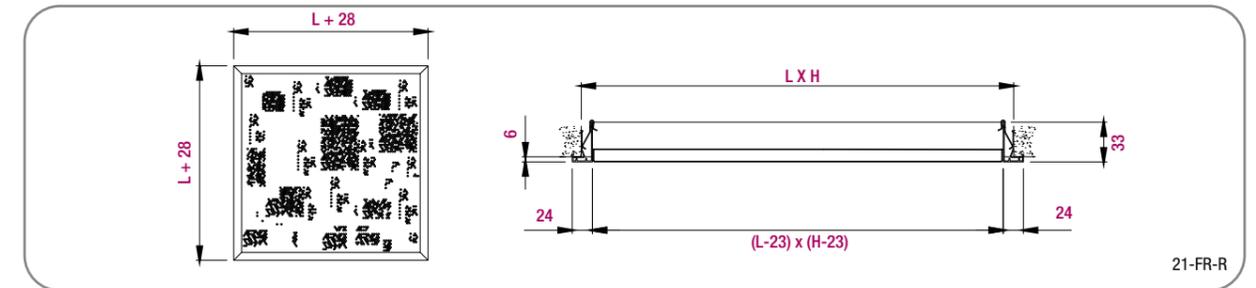
PE20 or **PE21.** With removable plenum with side or top connection (front.)

PFL or **PFS.** With fixed plenum with side or top connection (front.)

Accessories

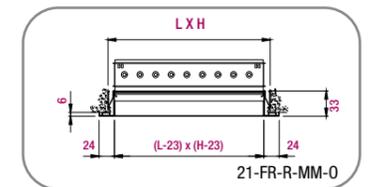
A. Internally insulated plenum.

General dimensions



Selection table

Size	Q [m³/h]	Supply			Return	
		L _{wa} [dB(A)]	ΔP _t [Pa]	X [m]	L _{wa} [dB(A)]	ΔP _t [Pa]
200 x 100	150	24	22	0,9	<20	28
	200	32	40	1,3	24	49
	280	40	78	1,8	34	96
300 x 100 200 x 150	220	24	20	1,1	<20	25
	300	32	37	1,5	26	46
	420	40	73	2,1	34	90
300 x 150	310	24	15	1,2	<20	18
	430	32	29	1,7	26	36
	600	40	56	2,4	34	69
600 x 100 400 x 150 300 x 200	400	24	14	1,4	<20	17
	560	32	27	1,9	26	33
	775	40	51	2,6	34	63
500 x 150	500	24	13	1,5	<20	16
	700	32	26	2,1	26	32
	970	40	50	2,9	34	62
600 x 150 300 x 300	600	24	12	1,6	<20	15
	850	32	24	2,3	26	30
	1150	40	44	3,1	34	55
600 x 200 500 x 250 400 x 300 525 x 225	800	24	11	1,8	<20	13
	1100	32	20	2,5	26	25
		40	38	3,4	33	47



SYMBOLS

Q [m³/h]: Air flow
 L_w [dB(A)]: Sound power level
 ΔP_t [Pa]: Total pressure loss
 X [m]: Horizontal throw for a terminal air jet velocity of 0.5 m/s and a temperature differential of ΔT = -10 °C.

The Selection Table shows a summary of dimensions. Other sizes are available. Please refer to technical department.