

HREC

Wall diffuser Return Lattice

Available types

HREC-Z

- H** high-capacity diffuser
- R** return
- E** lattice (15 x 15 mm)
- C** surface-mounted frame 29 mm, fixed internal unit

- Accessories

- O** none
- V** volume unit

- Z** square connection

SA-Select

Check SA-Select to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Use

De HREC wall diffuser is suitable for air extraction. The diffuser is suitable for high capacity. The aluminium internal unit consists of thin louvres to achieve a good flow. The diffuser is not suitable for mechanical loads and should preferably be mounted out of direct reach.

Characteristics

Free flow: 83 %

Version

Wall diffuser

Frame: anodised aluminium
 Lattice: aluminium
 Post-treatment: epoxy
 Colour: white RAL 9010, optional RAL colour of your choice

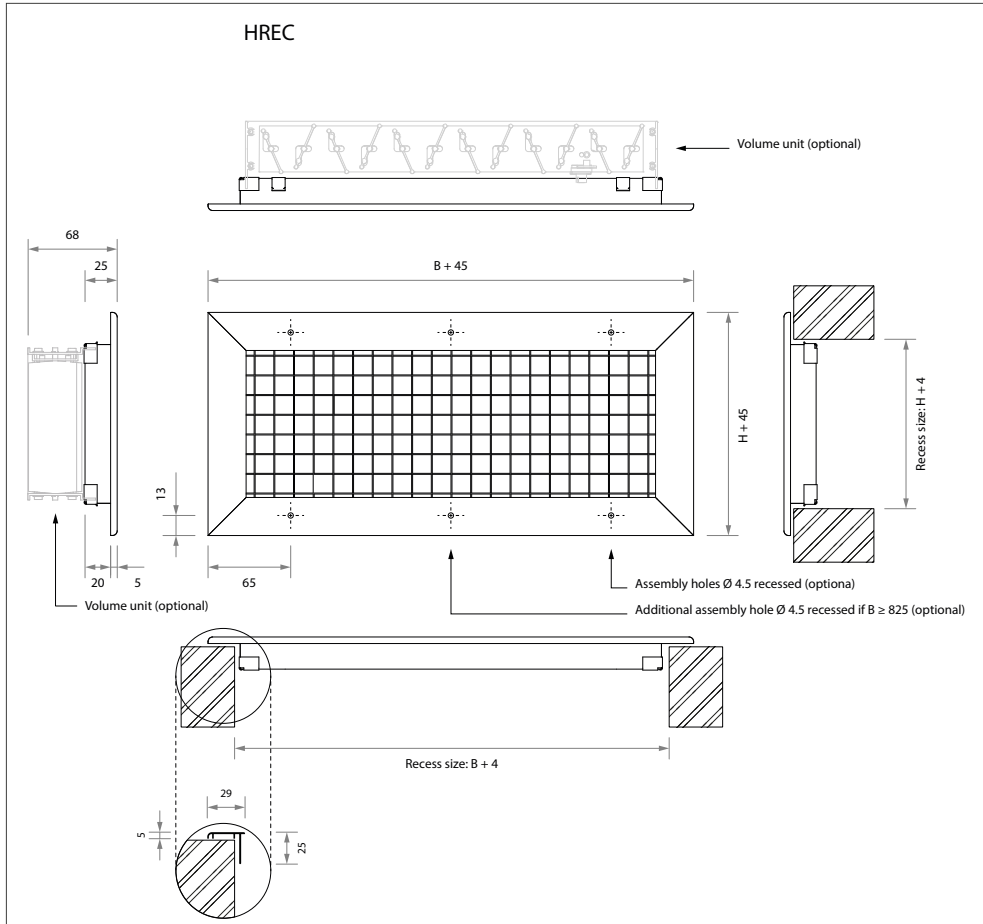
Volume unit

Frame and vanes: anodised aluminium
 Post-treatment: none

Optional

Frame: 25 mm removable internal unit
 U frame: HREU
 Loose lattice: HREO
 Mounting holes: sunk round mounting holes 4.5 mm in frame
 Plenum boxes: WRO to W x H 1025 x 325 mm, insulated or uninsulated

Dimensions



Standard dimensions

H	B							
	225	325	425	525	625	825	1025	1200
75	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■
225	■	■	■	■	■	■	■	■
325		■	■	■	■	■	■	■
425			■	■	■	■	■	■
525				■	■	■	■	■
600					■	■	■	■

Available dimensions

- Interim widths and heights available in increments of 5 mm.
- Width min. 100, max. 1200.
- Height min. 75, max. 600.

Note

- The listed dimensions are in mm.
- Recess size: $B + 4 \times H + 4$.

Selection details

HREC

air volume		H	B															
m ³ /s	m ³ /h		225		325		425		525		625		825		1025		1200	
			Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)	Δp_s Pa	L_{PA} dB(A)
0.020	72	75	5	-														
0.025	90	75	8	-														
0.030	108	75	12	13	5	-												
		125	3	-														
0.040	144	75	21	22	9	11	5	-										
		125	5	-														
0.050	180	75	34	30	15	18	8	10	5	-								
		125	8	-	3	-												
0.060	216	75	48	36	21	24	12	16	7	-	5	-						
		125	11	14	5	-												
0.080	288	75			37	33	21	25	13	19	9	13	5	-				
		125	19	24	8	12	5	-	3	-								
0.100	360	225	5	-	2	-												
		75					33	32	21	26	14	21	8	13	5	-		
0.125	450	125	30	31	13	19	7	11	5	-	3	-						
		225	7	11	3	-												
0.150	540	75					51	40	33	33	22	28	13	20	8	13	6	-
		125	47	38	21	27	11	18	7	12	5	-						
0.200	720	225	11	18	5	-	3	-										
		75							47	39	32	34	18	26	12	19	8	15
0.300	1080	125			30	33	16	24	11	18	7	13	4	-				
		225	16	24	7	12	4	-	2	-								
0.400	1440	325	7	12	3	-												
		75					29	34	19	27	13	22	7	14	5	-	15	24
0.500	1800	125																
		225	29	33	12	22	7	13	4	-	3	-						
0.600	2160	325	12	22	5	10	3	-										
		125																
0.800	2880	225			28	35	16	27	10	20	7	15	4	-				
		325	28	35	12	23	7	15	4	-								
1.000	3600	425	16	27	7	15	4	-										
		125																
0.400	1440	225			50	44	28	36	18	30	12	24	7	16	4	10	3	-
		325	50	44	22	33	12	24	8	18	5	13	3	-				
0.500	1800	425	28	36	12	24	7	16	4	10	3	-						
		525	18	30	8	18	4	10	3	-								
0.600	2160	125																
		225					43	43	28	37	19	32	11	24	7	17	5	13
0.800	2880	325			34	40	19	32	12	25	8	20	5	12	3	-		
		425	43	43	19	32	11	23	7	17	5	12	3	-				
1.000	3600	525	28	37	12	25	7	17	4	11	3	-						
		125																
0.600	2160	225							40	43	28	38	15	30	10	23	7	19
		325					27	38	17	31	12	26	7	18	4	11	3	-
0.800	2880	425			27	38	15	29	10	23	7	18	4	10	2	-		
		525	40	43	17	31	10	23	6	17	4	11	2	-				
1.000	3600	600	30	39	13	27	7	19	5	13	3	-						
		225																
0.800	2880	325							31	41	21	35	12	27	8	21	6	16
		425					27	39	17	32	12	27	7	19	4	13	3	-
1.000	3600	525			31	41	17	32	11	26	8	21	4	13				
		600			23	37	13	28	8	22	6	17	3	-				
0.800	2880	225																
		325																
1.000	3600	425							27	40	19	34	10	26	7	20	5	15
		525					27	40	17	33	12	28	7	20	4	14	3	-
1.000	3600	600			37	44	20	36	13	29	9	24	5	16	3	-		

General

- The pressure loss applies to a fully opened volume unit.
- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.