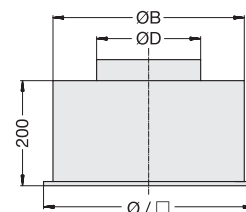
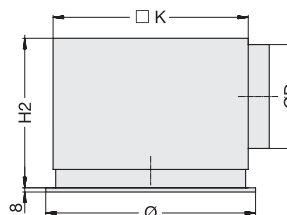
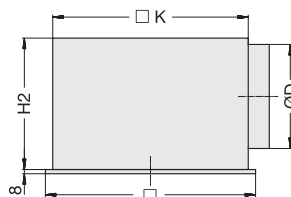
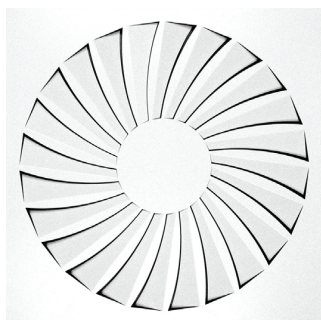


Swirl Diffusers

Type 'TDF-SilentAIR'



TDF-SA-Q-...

TDF-SA-Q-...-H

TDF-SA-R-...-H

TDF-SA-Q/R-...-V

Air Flow Rate (l/s) - For single row arrangement

Size	Distance between diffusers, A (m)						
	0	1.2	1.8	2.4	3.0	3.6	4.2
300	64	64	64	64	64	64	64
400	119	72	72	72	72	72	78
500	142	108	111	111	111	111	117
600	181	131	131	131	131	131	139
625	181	131	131	131	131	131	139

Dimensions (mm)

Size	□	Ø	ØB	ØD	H ₂	□ K
300	298	300	280	158	250	290
400	398	400	364	198	295	372
500	498	500	462	198	295	476
600	598	600	559	248	345	567
625	623	623	559	248	345	587

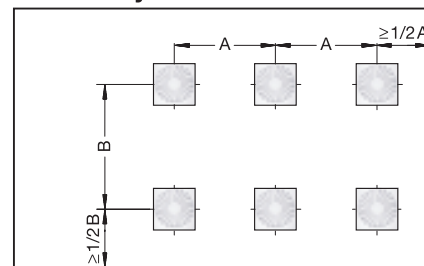
Air Flow Rate (l/s) -
For multiple row arrangement

Size	B (m)	Distance between diffusers, A (m)					
		1.2	1.8	2.4	3.0	3.6	4.2
300	3.0	50	50	50	50	53	64
400		64	64	64	64	67	72
500		81	81	81	81	94	108
600		100	100	100	100	114	131
625		100	100	100	100	114	131
300	3.6	56	56	56	56	56	64
400		67	67	69	75	75	75
500		94	92	92	92	94	111
600		111	106	106	106	111	131
625		111	106	106	106	111	131
300	4.2	64	64	64	64	64	64
400		72	75	72	75	75	97
500		108	108	108	108	108	122
600		131	131	131	131	131	139
625		131	131	131	131	131	139

Recommended
min. flow (l/s)

Size	$\dot{V}_{\min}$
300	31
400	50
500	60
600	81
625	81

Diffuser layout



Nomenclature

$\dot{V}$ in l/s = Flow rate
 $\dot{V}_{\min}$ in l/s = Minimum flow rate
 A, B in m = Distance between two diffusers

Note

In all cases, the sound power level is $L_{WA} \leq 40$ dB(A) per diffuser and the pressure drop $\Delta p_t \leq 40$ Pa.
 Selection valid for ceiling height = 2.7...3 m.

These codes need not be completed for standard products

Order Code

TDF-SA - Q - Z - M - L / 400 / P1 / RAL 9016

Type: Square (Q), Circular (R)
 Supply air (Z), Extract air (A)
 Adjustable flow rate control with single blade (M)
 Spigot with lip seal (L)

Size: 400

Specify RAL colour: P1 (RAL 9016)

0 Standard finish powder coated to RAL 9010 (GE 50 %)¹⁾
 P1 Powder coating to RAL 9006 (GE 30 %)¹⁾
 Other colours to RAL... (GE 70 %)¹⁾

¹⁾ GE = Gloss level

Note: For further details, please refer to TROX KLIMA Asia Pacific catalogue Ref. 2/6.2/EN/--.