



# R F D

PRODUCT DATA SHEET

SWIRL DIFFUSER

Integrated ducting and diffusion systems

BUSINESS PARTNER OF

## TROX<sup>®</sup> TECHNIK



- Ideal for rooms with ceiling heights of approximately 2.6 to 4.00m
- High Induction
- Low Noise
- Available in sizes 125, 160, 200, 250, 315 & 400 Dia

### contact Head Office

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20 Garland Avenue North Albury NSW 2640  
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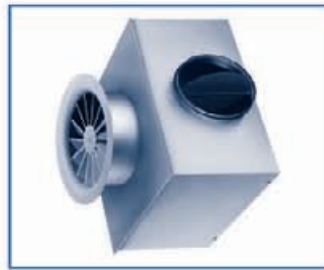
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# RFD

## SPECIFICATIONS

### SWIRL DIFFUSER



#### Quick Selection

Continuous ceiling installation with discharge nozzle



Freely suspended with discharge nozzle



Continuous ceiling installation without discharge nozzle



Size	f <sub>max</sub>		f <sub>min</sub>		L <sub>WA</sub> max dB(A)	L <sub>WNC</sub> max NC	L <sub>WA</sub> min dB(A)	L <sub>WNC</sub> min NC	A <sub>eff</sub> m <sup>2</sup>
	l/s	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h					
125	35	128	10	36	39	34	< 20	< 25	0.0034
160	50	180	13	47	38	33	< 20	< 25	0.0060
200	70	252	17	61	38	34	< 20	< 25	0.0092
250	110	396	30	108	38	33	< 20	< 25	0.0150
315	200	720	50	180	46	41	< 20	< 25	0.0265
400	270	972	70	252	46	40	< 20	< 25	0.0355

Size	f <sub>max</sub>		f <sub>min</sub>		L <sub>WA</sub> max dB(A)	L <sub>WNC</sub> max NC	L <sub>WA</sub> min dB(A)	L <sub>WNC</sub> min NC	A <sub>eff</sub> m <sup>2</sup>
	l/s	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h					
125	20	72	7	25	39	34	< 20	< 25	0.0026
160	35	126	8	29	45	39	< 20	< 25	0.0037
200	50	180	13	47	37	32	< 20	< 25	0.0066
250	80	288	20	72	38	33	< 20	< 25	0.0110
315	150	540	35	126	45	40	< 20	< 25	0.0205
400	210	756	50	180	46	41	< 20	< 25	0.0280

#### Relative Spectra ΔL for damper angle 0°

Type	Effective jet velocity V <sub>eff</sub> m/s	Octave band centre frequency Hz							
		63	125	250	500	1000	2000	4000	8000
RFD-...-D-K	4	7	3	5	-1	-10	-20	-27	-33
	5	6	2	4	0	-8	-17	-24	-31
	7	2	0	2	0	-7	-13	-19	-27
	10	-2	-3	-1	-1	-6	-9	-14	-24
RFD-...-D-U	4	8	3	4	0	-10	-20	-24	-33
	5	6	2	3	0	-8	-17	-21	-31
	7	2	-1	1	0	-6	-12	-18	-28
	10	-3	-4	-2	-2	-5	-9	-15	-26
RFD-...-D-A	4	12	6	4	-4	-6	-16	-27	-33
	5	10	6	4	-4	-5	-14	-24	-31
	7	6	5	2	-4	-4	-12	-20	-28
	10	1	4	0	-4	-4	-9	-16	-26
RFD-...-K	2	18	9	5	-6	-16	-33	-44	-48
	3	13	7	5	-3	-12	-25	-36	-40
	5	5	3	4	-1	-8	-18	-26	-32
	7	-1	0	2	-1	-6	-14	-21	-28
RFD-...-U	2	14	3	5	-1	-15	-28	-41	-47
	3	10	2	5	0	-11	-22	-33	-40
	5	3	0	3	0	-8	-16	-25	-33
	7	-2	-2	1	0	-6	-12	-19	-29
RFD-...-A	2	17	11	5	-6	-17	-33	-34	-39
	3	13	9	5	-4	-11	-25	-28	-34
	5	6	6	4	-3	-6	-17	-22	-30
	7	1	3	2	-4	-4	-13	-20	-29

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