

## Acoustic Diffuser Type YAD

Acoustic diffusers type YAD are standard products for use in normal installations for comfort and industrial ventilation.

The YAD is available in 14 sizes from Ø250 to Ø1600 mm and with cores in seven sizes from Ø160 to Ø578 mm fitted according to the hub sizes in the Novax range.

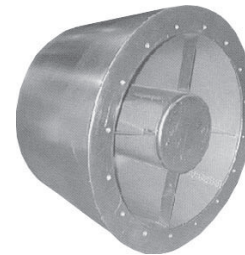
### Environment

Acoustic diffusers type YAD are designed for the temperature range: -40 to +120 °C.

The basic version is, in terms of materials, designed to operate in the environmental categories C1, C2 and C3 as formulated in DS/EN ISO 12944.

In connection with an itemised tender, fans can be supplied with improved surface treatment for use in corrosion class C4.

Please note that sound data and silencing values are based on measurements with the Novax axial flow fan type ACG.



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External Diameter [mm]	Hub Diameter [mm]	Octave Band [Hz]															
		63		125		250		500		1k		2k		4k		8k	
		Core		Core		Core		Core		Core		Core		Core		Core	
		Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]	Without [dB]	With [dB]
250	160	1	1	0	1	2	2	8	9	5	11	1	11	1	8	2	5
315	160	1	1	0	1	2	2	8	9	5	11	1	11	1	8	2	5
400	160	0	0	0	2	3	3	11	12	6	11	1	11	1	7	1	4
500	160	0	0	1	1	4	4	11	10	7	12	3	10	3	6	2	4
400	230	0	0	0	2	2	2	10	11	8	14	3	13	3	10	3	6
500	230	0	0	0	2	9	9	11	12	7	12	3	12	2	8	2	5
560	230	0	0	1	1	4	4	12	12	8	13	4	11	4	7	3	5
630	230	0	0	2	2	5	5	13	13	8	13	4	10	3	6	3	5
710	230	0	1	3	3	6	6	13	13	9	12	4	9	3	6	3	5
800	230	0	0	1	1	8	8	14	14	7	12	4	9	3	6	2	4
500	280	0	0	0	2	2	2	11	12	9	15	5	15	4	11	4	7
560	280	0	0	0	2	10	10	12	13	7	12	3	13	3	9	2	5
630	280	0	0	1	1	4	4	12	12	8	14	5	11	4	7	3	5
710	280	0	0	3	3	7	7	14	14	10	13	5	9	4	7	3	5
800	280	0	0	1	1	9	8	15	15	8	13	5	10	3	6	3	4
900	280	1	1	3	3	7	7	13	13	5	11	2	7	3	6	4	5
500	330	0	0	0	2	3	3	14	15	12	18	8	18	6	13	5	8
560	330	0	0	0	3	4	4	16	17	11	16	6	16	4	10	3	6
630	330	0	0	0	2	10	10	12	13	8	13	4	13	3	9	3	5
710	330	0	1	2	2	5	5	15	15	10	15	5	12	4	7	3	5
800	330	0	1	3	3	7	7	15	15	10	14	5	10	4	7	4	5
900	330	0	0	1	1	9	9	15	15	8	14	5	10	4	7	3	4
560	380	0	0	0	2	3	3	14	15	13	19	8	18	7	14	5	8
630	380	0	0	1	2	11	11	13	15	9	15	6	15	4	11	3	6
710	380	0	0	1	1	5	5	15	14	11	16	6	13	5	9	4	6
800	380	0	1	3	3	8	8	16	16	12	15	6	11	5	7	4	6
900	380	0	0	1	1	9	9	16	16	9	15	6	11	4	7	3	5
1000	380	1	1	3	3	7	7	14	14	6	11	3	8	4	6	4	6
900	403	0	0	1	1	10	10	17	17	10	15	6	11	4	7	3	5
1000	403	1	1	4	4	7	7	15	15	6	12	3	8	4	7	4	6
1120	403	1	1	3	3	7	7	11	14	6	11	4	8	4	6	4	5
1250	403	1	2	2	2	7	7	5	9	4	10	4	7	4	6	3	5
1400	403	1	2	2	2	7	7	5	8	4	9	3	7	4	5	3	4
900	578	0	0	1	1	6	6	18	18	15	20	10	16	7	11	5	7
1000	578	0	0	4	4	9	9	19	19	14	18	8	13	6	9	5	7
1120	578	0	0	1	1	11	11	19	19	12	17	8	13	5	8	4	5
1250	578	1	1	4	4	8	8	13	16	7	13	5	9	5	7	5	6
1400	578	1	2	3	3	8	8	6	10	5	11	5	8	5	6	4	5
1600	578	1	2	3	3	8	8	6	9	5	10	4	8	4	6	4	5

Silencing Values for YAD