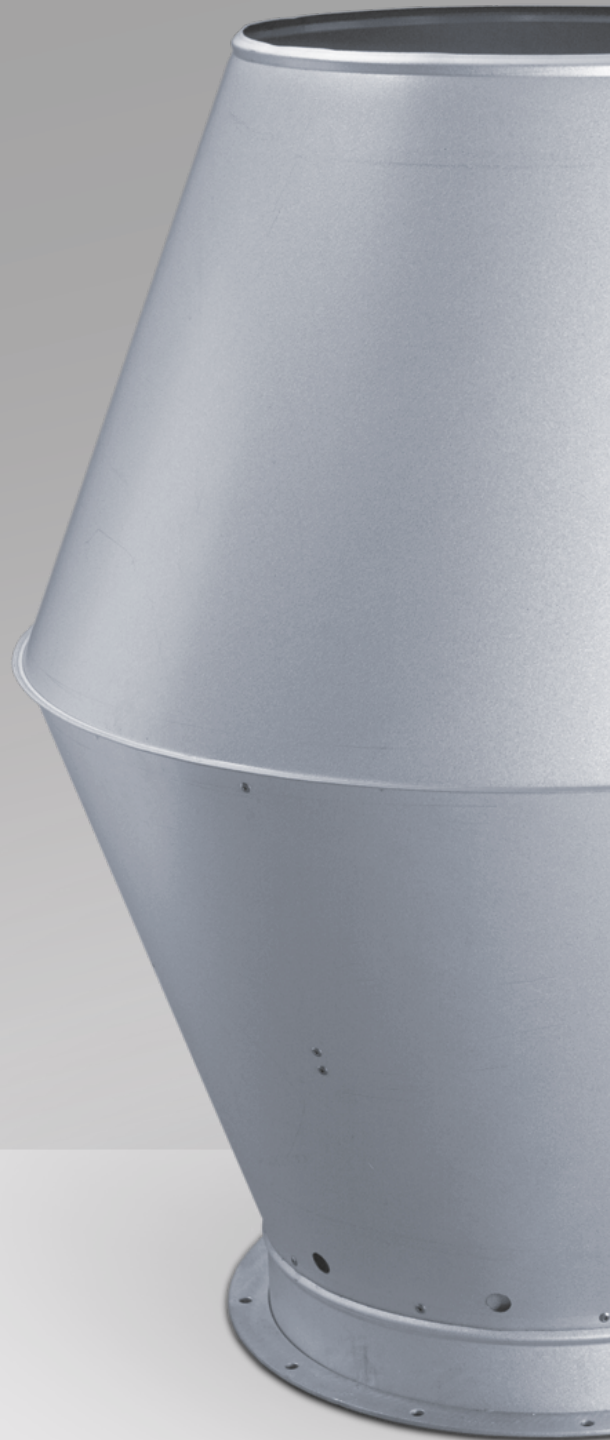


EKOVENT®

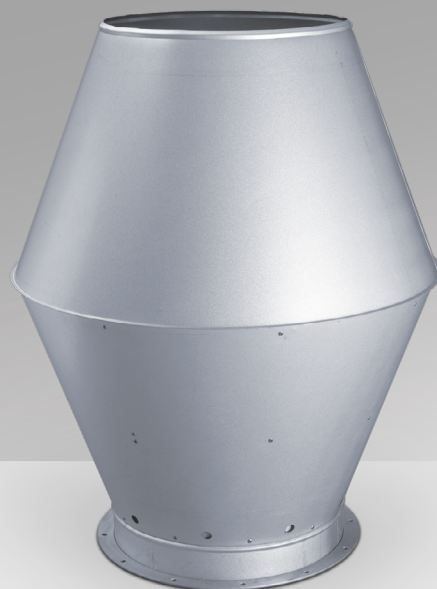


EKO-HJ

Exhaust Air Hood

EXHAUST AIR HOOD

EKO-HJ



Quick facts

EKO-HJ is a circular exhaust roof hood for use in comfort and industrial installations. EKO-HJ is manufactured according to AMA VVS&Kyl 19.

- Sizes from 100 mm to 1500 mm
- Zinc Magnesium ZM120 (C4) as standard
- Internal water deflector
- Compatible with roof duct EKO-T and EKO-TR
- Available in powder-coated finish
- Available in MagiCAD

Design

EKO-HJ consists of a connecting pipe, cone, and jacket. The connection pipe is adapted to fit standard spiral ducts. The hood is manufactured with a socket connection up to size 315, thereafter with flange as standard. When adapting to the roof duct EKO-T, the hood must be supplemented with a base plate with an attachment frame. Larger hoods from size 400 upwards are equipped with lifting fittings and wire stays.

Material, surface treatment

EKO-HJ is manufactured as standard in Zinc Magnesium ZM120, with a corrosivity class of C4, and can be delivered powder-coated in any desired color. Additionally, it is available in aluminum, copper, stainless steel, Zinc Magnesium ZM310 (C5), and Zinc Magnesium ZM310 (C5) RRP.

Sizes

EKO-HJ is manufactured in 16 standard sizes. Other dimensions can be customized upon request.

Maintenance

We advocate preventive maintenance of the hood for the best feature. Check once a year and clean if necessary.

How to order EKO-HJ

Exhaust Air Roof Hood EKO-HJ-A-B-C-D-E

A – Size

See size table

B – Material

- 1 = Zinc Magnesium ZM120 (C4) - Standard
- 2 = Aluminium
- 3 = Copper
- 4 = Stainless EN 1.4404
- 5 = Zinc Magnesium ZM310 (C5)
- 7 = Zinc Magnesium ZM310 (C5) RRP

C – Surface treatment

- 1 = Untreated
- 2 = Powder-coated (Stated in plain text)

D – Connection

- 1 = Flange
- 2 = Socket

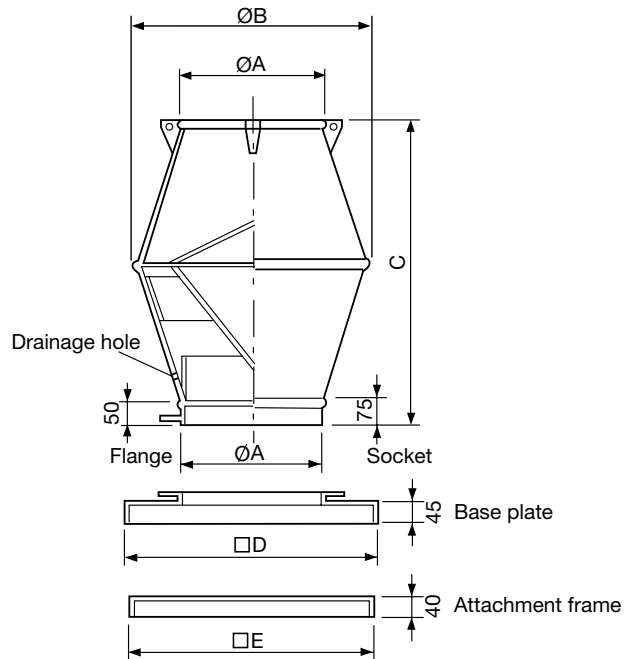
E – Accessories

- 1 = Counter flange
- 2 = Base plate with attachment frame
- 3 = Roof duct EKO-T
- 4 = Roof duct EKO-TR
- 5 = Lifting fittings for size 100-315

Example: Exhaust Roof Hood EKO-HJ-125-1-1-1-1

Technical Data

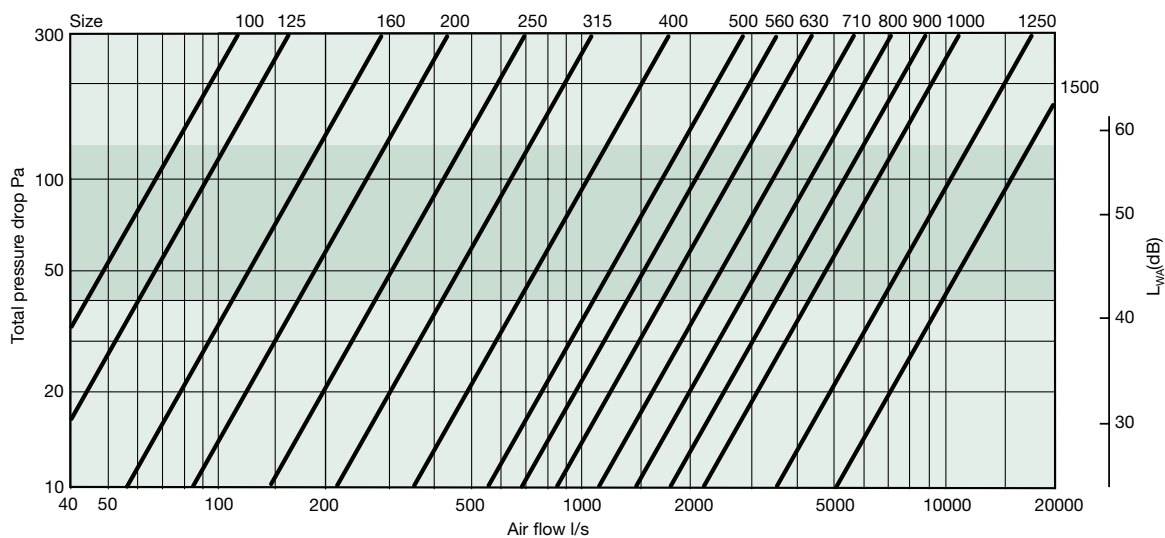
Dimensions



Standard sizes EKO-HJ and choice of Roof duct EKO-T, EKO-TR

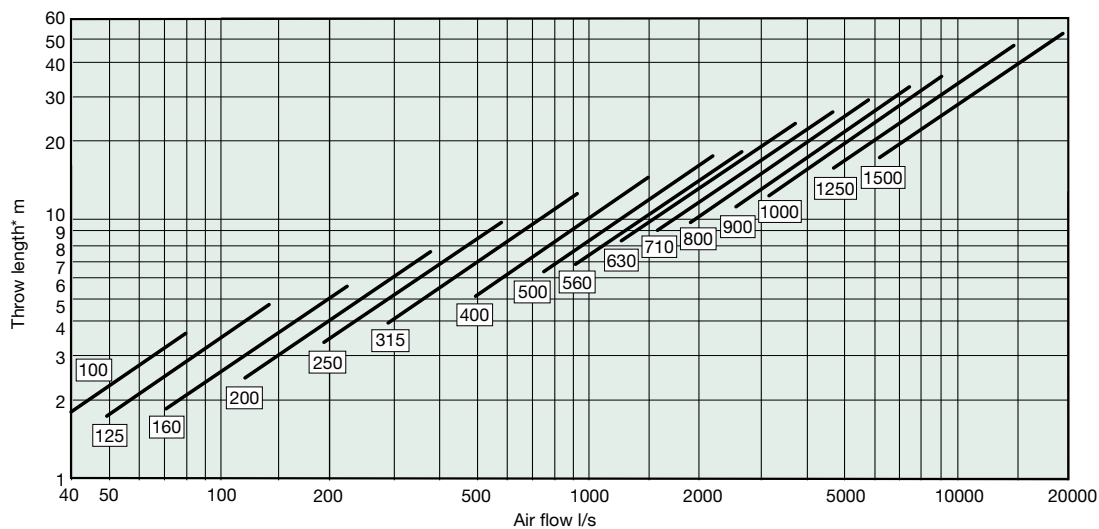
EKO-HJ	$\varnothing A$	$\varnothing B$	C_{Socket}	C_{Flange}	$\square D$	$\square E$	Choose EKO-T	Choose EKO-TR	Weight (kg)
100	100	195	225	200	380	355	3	10	3
125	125	240	570	245	380	355	3	12	4
160	160	310	360	335	380	355	3	16	4
200	200	375	450	425	380	355	3	20	6
250	250	450	600	575	480	455	4	25	8
315	315	565	660	635	580	555	5	31	11
400	400	725	-	875	580	555	5	-	19
500	500	905	-	1100	680	655	6	-	32
560	560	1010	-	1235	780	755	7	-	41
630	630	1140	-	1395	880	855	8	-	56
710	710	1290	-	1575	980	955	9	-	70
800	800	1455	-	1775	980	955	9	-	95
900	900	1675	-	2050	1080	1055	10	-	115
1000	1000	1860	-	2300	1180	1155	11	-	140
1250	1250	2310	-	2815	1480	1455	14	-	220
1500	1500	2760	-	3350	1680	1655	16	-	310

Dimensioning diagram



Shaded field specifies recommended pressure drop range.

Throw length



*The air throw length is a distance from the opening of the hood to the point where the air velocity drops to 2 m/s in calm weather.

Correction of sound power level L_{WAKORR} for different sizes.. $L_{WAKORR} = L_{WA} + K_1$

Hood size	100	125	160	200	250	315	400	500	560	630	710	800	900	1000	1250	1500
K_1	-9	-7	-4	-2	0	+2	+4	+6	+7	+8	+9	+10	+11	+12	+14	+16

Correction of sound power level L_{WAKOK} in octave band.. $L_{WAKOK} = L_{WAKORR} + K_{OK}$

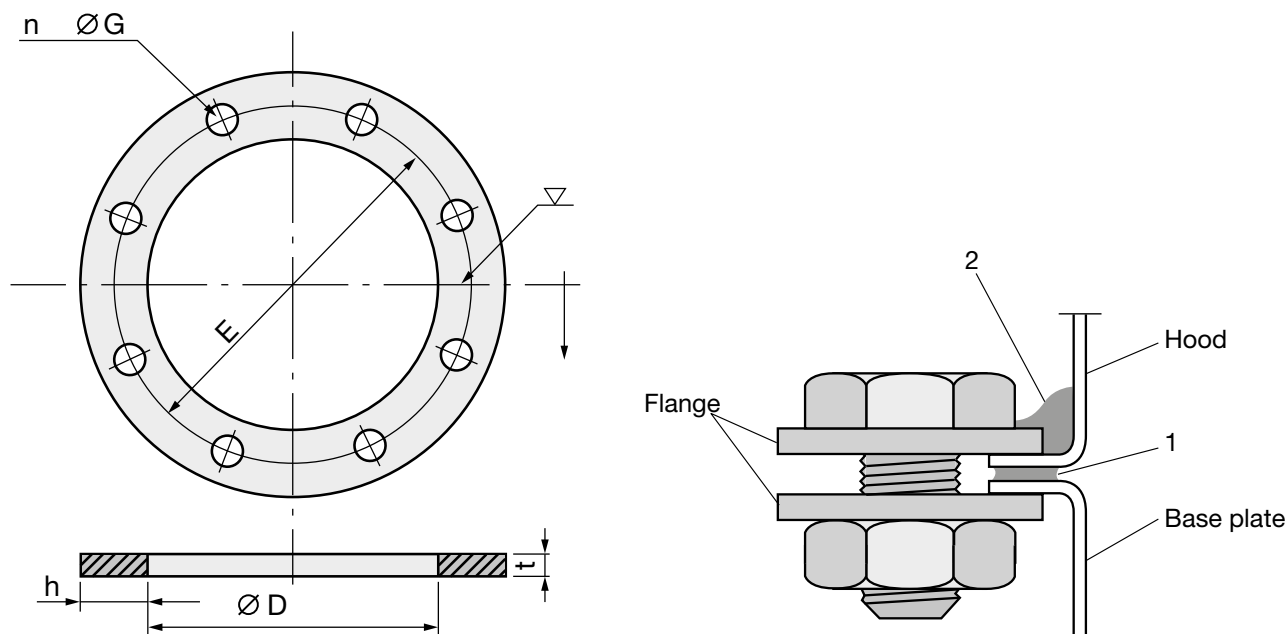
Octave band	125	250	500	1K	2K	4K	8K
K_{OK}	-3	-3	-3	-3	-10	-18	-24

Standard flanges

Size	Internal dim D mm	Hole circle E mm	Number of holes n	Hole size G mm	Weight (kg)	Material diameter mm	
						h	t
125	130	165	4	11,5	0,59	30	5
200	205	240	8	11,5	0,87	30	5
250	255	290	8	11,5	1,05	30	5
315	320	360	12	11,5	1,53	35	5
355	360	400	12	11,5	1,70	35	5
400	405	445	12	11,5	1,90	35	5
450	455	495	12	11,5	2,11	35	5
500	505	545	12	11,5	2,33	35	5
560	565	605	16	11,5	2,59	35	5
630	635	680	16	15	5,32	40	8
710	715	760	16	15	5,96	40	8
800	805	850	20	15	6,67	40	8
900	905	950	20	15	7,45	40	8
1000	1005	1050	20	15	8,24	40	8
1120	1125	1180	24	15	11,59	50	8
1250	1255	1310	24	15	12,87	50	8
1400	1405	1460	24	15	14,35	50	8
1500	1505	1560	24	15	15,33	50	8
1600	1605	1660	28	15	16,32	50	8

Assembly

During assembly apply sealant between the base plate and the hood, 1. Then apply sealant between the flange and hood as well, 2.



Stagnation

We recommend bracing roof hoods. This is conveniently done with wires that are attached to pre-punched holes or lifting loops. Larger hoods, from size 400, are equipped with loops for lifting and wire drawing. These can be delivered as accessories for smaller sizes (100-315). In wind-exposed positions, it may be appropriate to brace even smaller roof hoods.