

KSV
Linear Slot Diffuser
Handbook



Table of Contents

Description3
Dimensions & Weights7
Ordering Codes8
Accessories10
Quick Selection20
Technical Parameters24
Installation44
Transport, Storage and Operation57
Supplement58



Description

KSV is a slot diffuser with adjustable deflectors, primarily designated for air supply. It is suitable for installation into ceilings or into walls of public or residential premises in elevation up to 4 m. The installation of this slot diffuser is possible with or without plenum box.

Highlights

- Long impact
- High induction
- Narrow construction
- Comfort design
- Modularity
- 1 to 4 slots on diffuse available

Types of Product

- KSV: Linear Diffuser
- KSV...C: 90° corner unit with no ventilation functionality

List of Accessories

- PB-KSV: Plenum Box
- MB-KSV: Mounting Bridge
- CP-PB-KSV: Connection Plate
- EC-KSV: End-cap
- S-KSV: Inner Spacer

Design

KSV is manufactured from extruded aluminium profile with elox surface and the inner part of the slot is plastic. PB-KSV with both socket and regulating damper are manufactured from galvanized steel sheet. PB-KSV can be supplied with sound-attenuating material from the inner side or thermal insulating material from the outer side.

Types of Product



KSV...-0: Complete unit with side frame at both short ends



KSV...-E: End unit for linear assembly with side frame at one end



KSV...-M: Middle unit for linear assembly without side frames at both ends



KSV...-C: 90° corner unit with no ventilation functionality

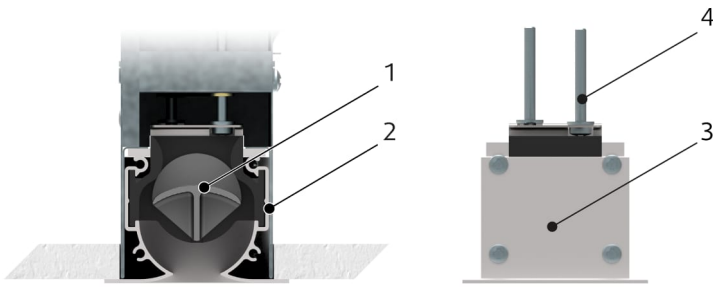
List of Accessories

- PB-KSV: Plenum Box
- MB-KSV: Mounting Bridge
- CP-PB-KSV: Connection Plate
- EC-KSV: End-cap
- S-KSV: Inner Spacer

Design

KSV is made of extruded aluminium profile with elox surface and the inner part of the slot is plastic. Plenum box of the slot with both socket and regulating damper are made of galvanized steel sheet. Plenum box can be supplied with sound attenuating material from the inner side or thermal insulating material from outer side.

Product Parts

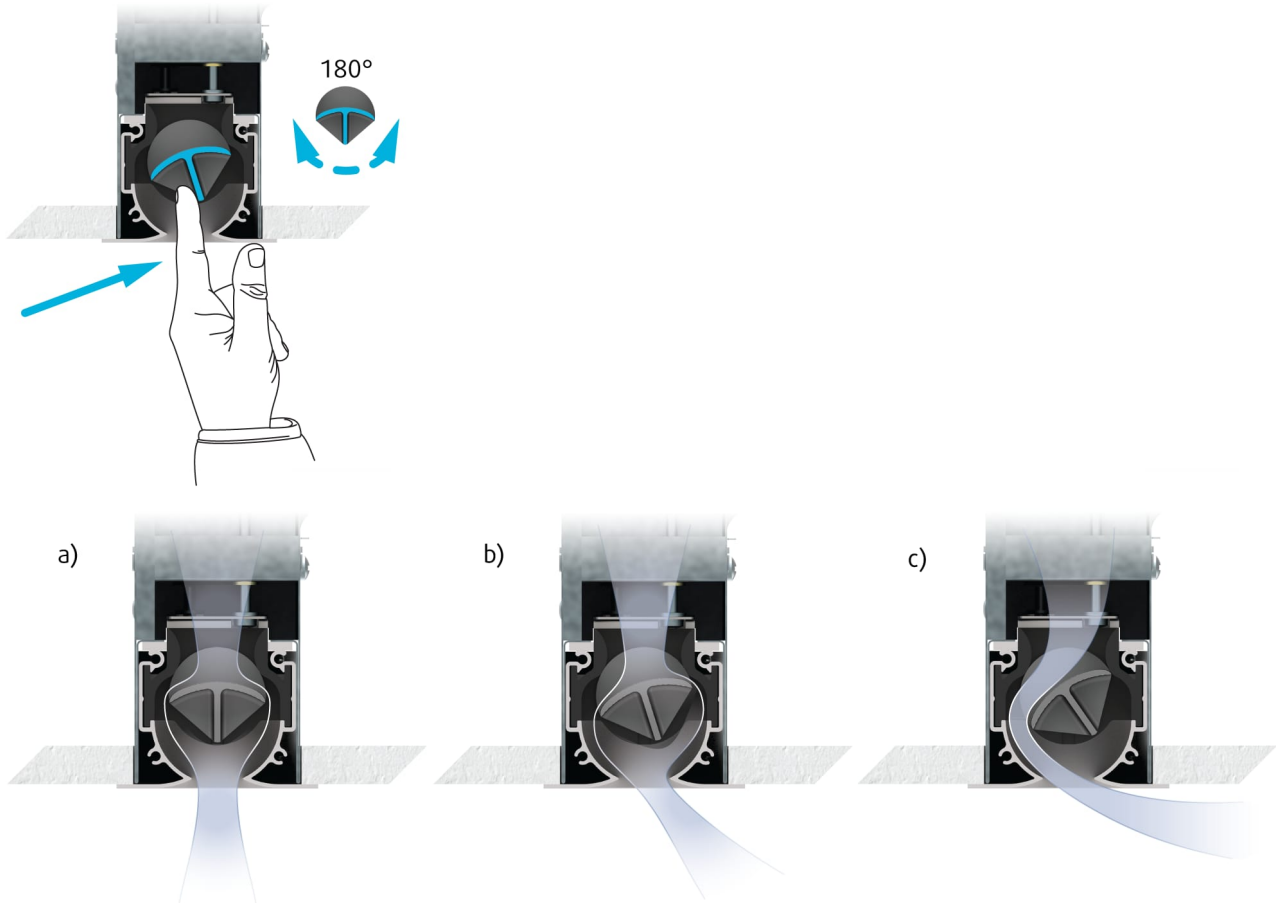


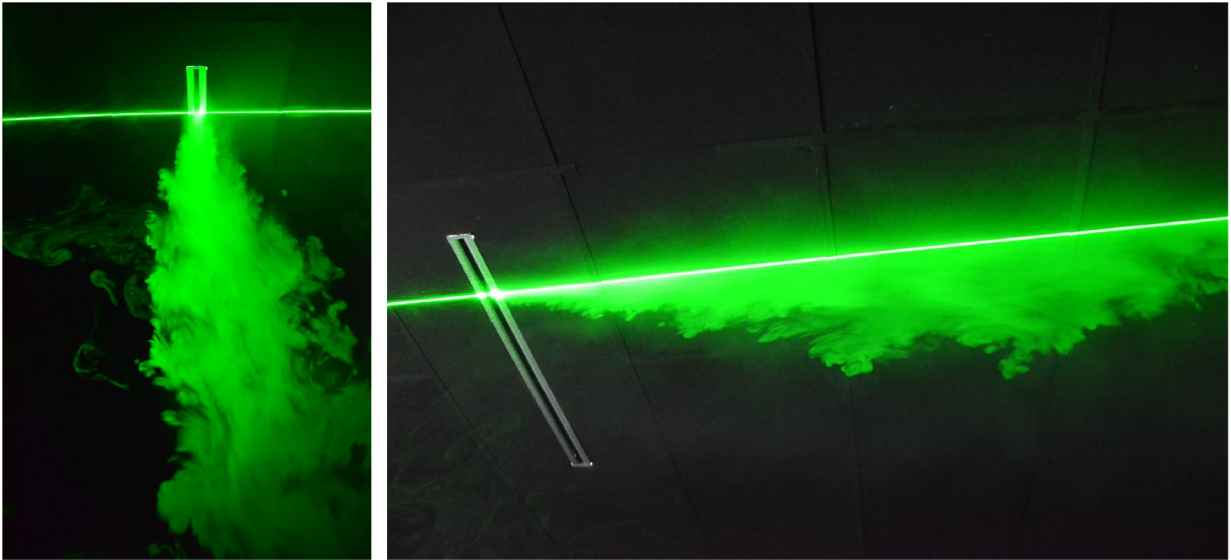
Legend

- 1 Deflector
- 2 Diffuser
- 3 Side frame
- 4 Fixing bolt

Setup Possibilities

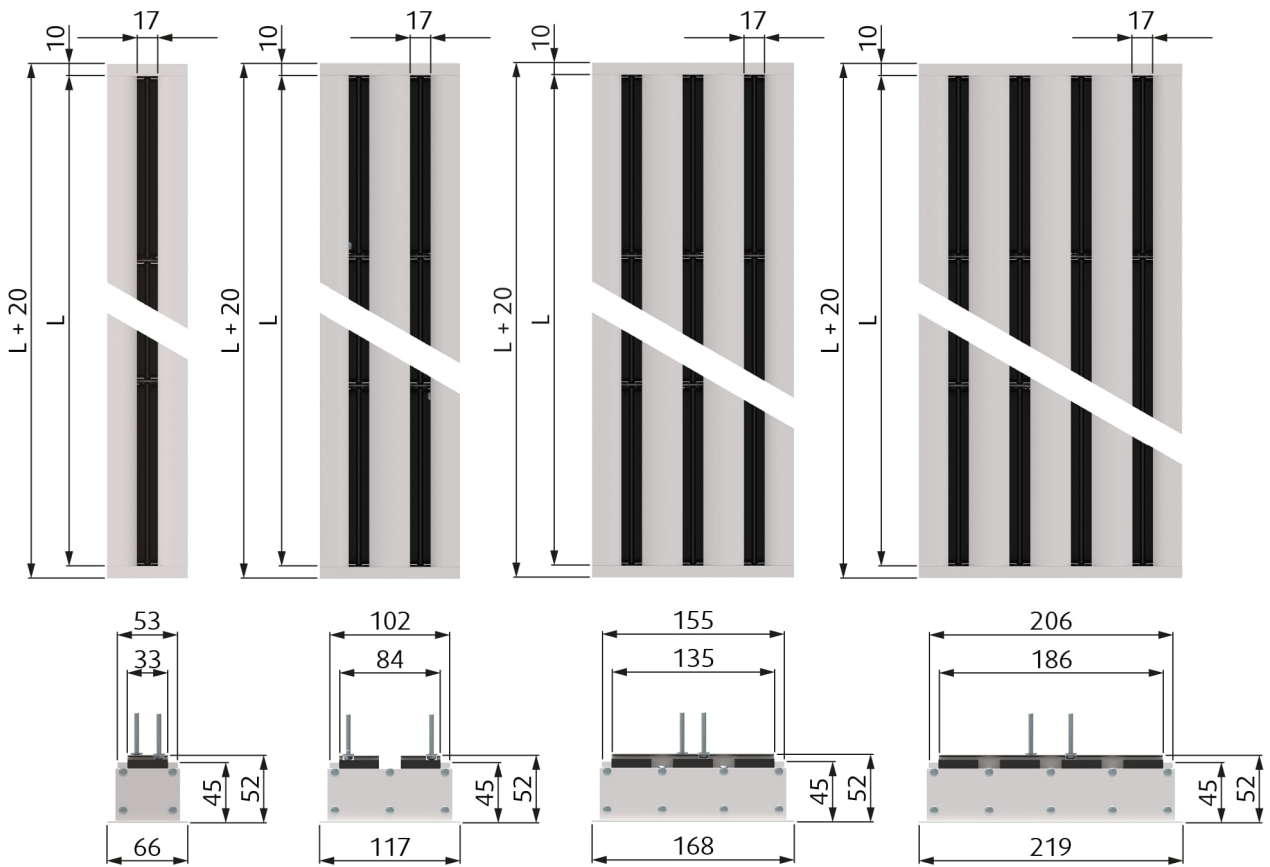
The way of air direction is set up by changing the inner deflector position. This deflector has 5 alternative positions for different air flow patterns: a) vertical, b) diagonal left/right and c) horizontal left/right. Besides these basic positions it is possible to set the deflector into 2 mounting positions, which are used for mounting KSV to the plenum box or mounting bridge or for adjustment of the plenum box regulating damper.





Air flow visualization

Dimensions & Weights



L (mm)	m (kg)			
	KSV-1	KSV-2	KSV-3	KSV-4
600	0,85	1,52	2,19	2,87
750	1,04	1,88	2,72	3,57
900	1,22	2,23	3,24	4,26
1050	1,41	2,59	3,77	4,96
1200	1,60	2,95	4,30	5,66
1350	1,78	3,30	4,82	6,35
1500	1,97	3,66	5,35	7,05
1650	2,15	4,01	5,87	7,74
1800	2,34	4,37	6,40	8,44
1950	2,52	4,72	6,93	9,14

Ordering Codes

KSV

Linear Diffuser

Number of Slots

1

2

3

4

Diffuser Length L (mm)

600

750

900

1050

1200

1350

1500

1650

1800

1950

Deflector Colour

B Black

SW Signal white RAL9003

Diffuser Construction

0 Complete unit including end caps at both ends 2

E End unit for linear assembly

M Middle unit for linear assembly

Surface Finish

AN Anodized aluminium finish

SW Powder coating - signal white RAL9003

RALXXXX Powder coating - other RAL colour

Example of the Ordering Code

KSV-2-1050-B-0-SW

Diffuser with 2 slots, 1050 mm length, black deflectors, complete unit including side frame at both ends, signal white RAL9003 finish.

KSV-C

90° Corner Element

Number of Slots

1

2

3

4

Deflector Colour

B Black

SW Signal white RAL9003

Surface Finish

AN Anodized aluminium finish

SW Powder coating - signal white RAL9003

RALXXXX Powder coating - other RAL colour

NOTES:

KSV-C is a corner element with only visual function. It cannot be used for air distribution.

It is delivered with 4 pieces of mounting bridges MB-KSV in corresponding size.

It is not necessary to indicate slot length in the ordering code.

Example of the Ordering Code

KSV-3-B-C-SW

Corner element with 3 slots, black deflectors, signal white RAL9003 finish.

Accessories

PB-KSV

Plenum Box



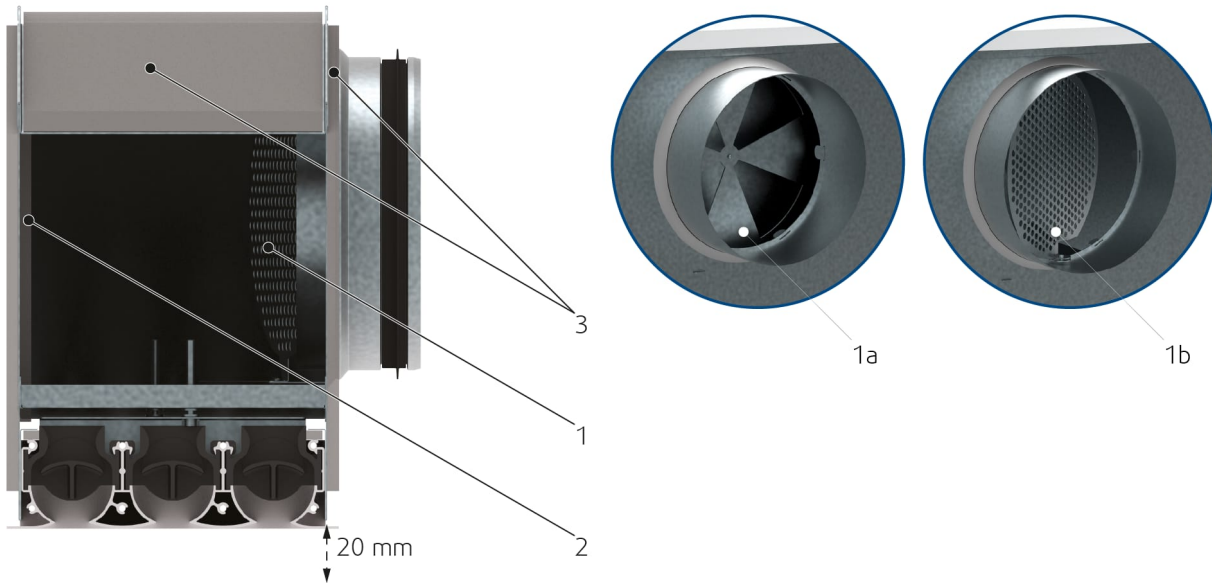
Description

PB-KSV plenum box is used to achieve proper discharge parameters of KSV diffusers, corresponding in size and number of slots.

Design

PB-KSV is made from galvanized steel sheet, equipped by duct connections with gasket. The air flow volume can be adjusted by damper at the box connection. The box can have insulation from inside and from outside.

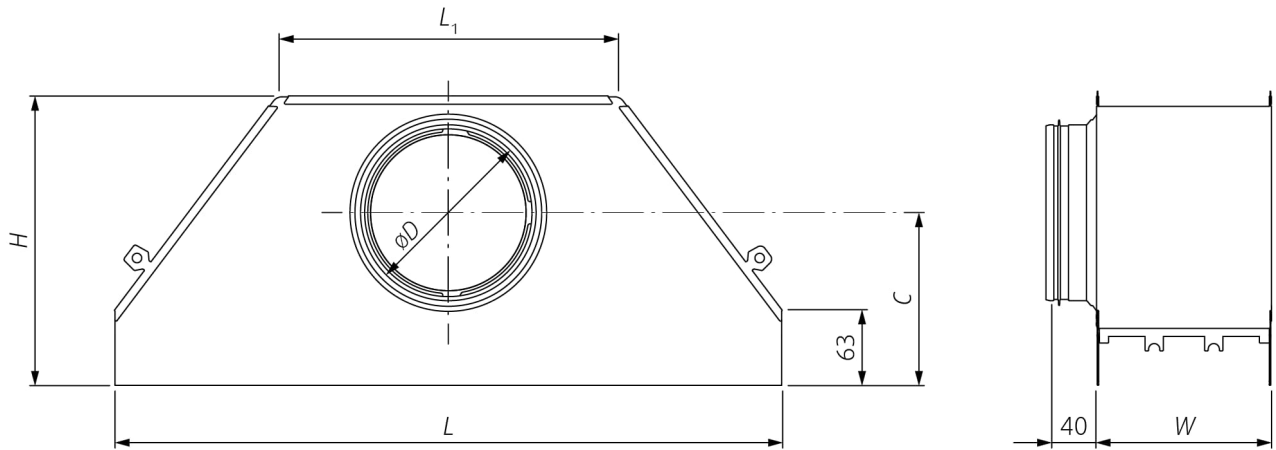
Product Parts



Legend

- 1** Damper
- 1^a** Damper for PB-KSV-1 and PB-KSV-2
- 1^b** Damper for PB-KSV-3 and PB-KSV-4
- 2** Internal insulation
- 3** External insulation

Dimensions



PB-KSV-...	H	D	W	L	L ₁	C	m
	mm						kg
1-600	230	125	54	600	269	143	1,9
1-750	230	125	54	750	268	143	2,3
1-900	230	125	54	900	267	143	2,7
1-1050	230	125	54	1050	267	143	3,2
1-1200	260	160	54	1200	302	155	3,6
2-600	260	160	103	600	305	155	2,4
2-750	260	160	103	750	304	155	2,9
2-900	260	160	103	900	303	155	3,6
2-1050	260	160	103	1050	302	155	4,1
2-1200	300	200	103	1200	342	175	4,7
3-600	260	160	156	600	305	155	2,5
3-750	260	160	156	750	304	155	2,9
3-900	260	160	156	900	303	155	3,3
3-1050	260	160	156	1050	302	155	3,8
3-1200	300	200	156	1200	342	175	4,5
4-600	300	200	207	600	346	175	3,0
4-750	300	200	207	750	344	175	3,4
4-900	300	200	207	900	343	175	4,1
4-1050	300	200	207	1050	343	175	4,6
4-1200	300	200	207	1200	342	175	5,0

Ordering Codes

Number of Slots ¹⁾

- 1
- 2
- 3
- 4

Length L (mm) ²⁾

- 600
- 750
- 900
- 1050
- 1200
- 1350
- 1500
- 1650
- 1800
- 1950

Insulation ³⁾

- I** Internal insulation
- J** External insulation

NOTES:

- ¹⁾ The ordering code for the plenum box contains the length and number of slots of the corresponding KSV diffuser.
- ²⁾ The plenum boxes for the diffuser with length larger than 1200 mm are combined from two boxes with smaller lengths. Each of them has own connection spigot.
- ³⁾ If no insulation is defined in the ordering code, the plenum box comes without insulation (neither internal, nor external).

Plenum box PB-KSV and mounting bridge MB-KSV exclude each other in use with the same diffuser KSV.

Example of the Ordering Code

PB-KSV-2-900-I1

Plenum box for double slot diffuser KSV, 900 mm length, internal insulation.

Assignment of Plenum Boxes to Corresponding Diffusers

L (mm)	PB-KSV			
	KSV-1	KSV-2	KSV-3	KSV-4
600	1 × PB-KSV1-600	1 × PB-KSV2-600	1 × PB-KSV3-600	1 × PB-KSV4-600
750	1 × PB-KSV1-750	1 × PB-KSV2-750	1 × PB-KSV3-750	1 × PB-KSV4-750
900	1 × PB-KSV1-900	1 × PB-KSV2-900	1 × PB-KSV3-900	1 × PB-KSV4-900
1050	1 × PB-KSV1-1050	1 × PB-KSV2-1050	1 × PB-KSV3-1050	1 × PB-KSV4-1050
1200	1 × PB-KSV1-1200	1 × PB-KSV2-1200	1 × PB-KSV3-1200	1 × PB-KSV4-1200
1350	1 × PB-KSV1-600 1 × PB-KSV1-750	1 × PB-KSV2-600 1 × PB-KSV2-750	1 × PB-KSV3-600 1 × PB-KSV3-750	1 × PB-KSV4-600 1 × PB-KSV4-750
1500	2 × PB-KSV1-750	2 × PB-KSV2-750	2 × PB-KSV3-750	2 × PB-KSV4-750
1650	1 × PB-KSV1-750 1 × PB-KSV1-900	1 × PB-KSV2-750 1 × PB-KSV2-900	1 × PB-KSV3-750 1 × PB-KSV3-900	1 × PB-KSV4-750 1 × PB-KSV4-900
1800	2 × PB-KSV1-900	2 × PB-KSV2-900	2 × PB-KSV3-900	2 × PB-KSV4-900
1950	1 × PB-KSV1-900 1 × PB-KSV1-1050	1 × PB-KSV2-900 1 × PB-KSV2-1050	1 × PB-KSV3-900 1 × PB-KSV3-1050	1 × PB-KSV4-900 1 × PB-KSV4-1050

MB-KSV

Mounting Bridge



Description

The mounting bridge is used for installation of KSV diffuser without plenum box in the suspended ceiling.

Design

MB-KSV is made from galvanized steel. It has a rivet nut to catch the fixing thread bolt of the diffuser. For each number of slots on diffuser KSV a different size of MB-KSV is dedicated. Each diffuser KSV requires 2 pieces of MB-KSV for installation.

Ordering Codes

MB-KSV-1 (Item No. 136435)

MB-KSV-2 (Item No. 136436)

MB-KSV-3 (Item No. 136437)

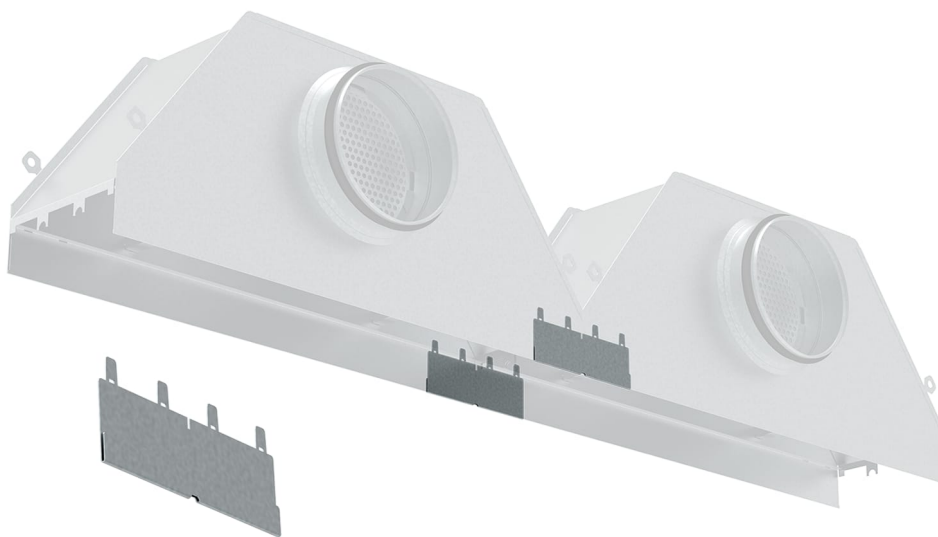
MB-KSV-4 (Item No. 136438)

NOTES:

Mounting bridge MB-KSV and plenum box PB-KSV exclude each other in use with the same diffuser KSV.

CP-PB-KSV

Connection Plate



Description

CP-PB-KSV is a plate foreseen to firmly mechanically connect two plenum boxes PB-KSV in array installation of multiple elements.

Design

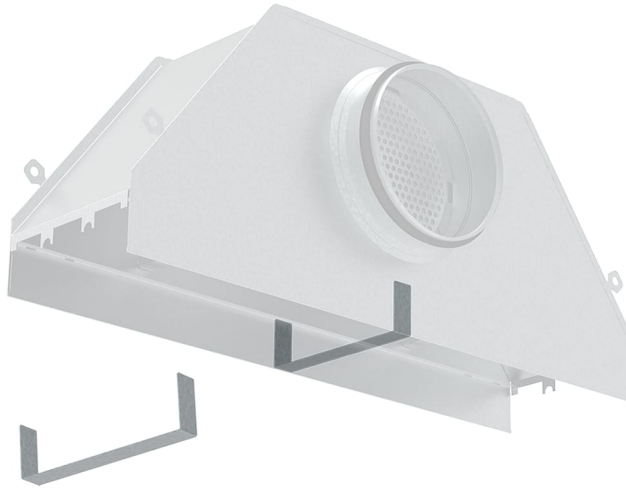
CP-PB-KSV is manufactured from galvanized steel sheet. Two pieces shall be slid on the binding spot of the plenum boxes and fixed in position by bending of the fixing ears.

Ordering Codes

CP-PB-KSV (Item No. 230481)

S-KSV

Installation Spacer



Description

S-KSV is a spacer for temporary stiffening of the plenum box during installation and construction finish avoiding deforming.

Design

S-KSV is manufactured from galvanized steel sheet. Each box width corresponding to different numbers of diffuser slots fits the different spacer type. The spacer shall be inserted into the box and fixed by adhesive tape. For longer boxes (> 1 m) two spacers can be used.

Ordering Codes

S-KSV-1 (Item No. 230482)

S-KSV-2 (Item No. 230483)

S-KSV-3 (Item No. 230484)

S-KSV-4 (Item No. 230485)

EC-KSV

End-cap

**Description**

The end caps on KSV diffuser are part of the frame that covers the installation cut-out in ceiling when a single diffuser is installed. EC-KSV shall be detached from diffuser when installed in array of multiple diffusers.

Design

EC-KSV is made from aluminium profile with anodized or painted surface.

The end cap can be attached to the diffuser by screws, that are included in package of EC-KSV

Ordering Codes**Number of Slots on Diffuser**

- 1
- 2
- 3
- 4

Surface Finish

AN Anodized aluminium finish

SW Powder coating - signal white RAL9003

RALXXXX Powder coating - other RAL colour

NOTE:

EC-KSV is delivered with 4 pieces of screws.

Example of the Ordering Code

EC-KSV-2-AN

End-cap for double slot diffuser KSV, anodized aluminium finish.

CP-HELLA

Connection Pins



Description

CP-HELLA are connecting pins for joining neighbouring diffusers KSV in an array.

Design

Circular profile pins from galvanized steel. The pins are applied in the holes at the ends of the longitudinal frame profiles of the KSV diffuser.

Other Specification

The quantity of CP-HELLA required to join multiple diffusers in an array: $p = 4 \cdot (n - 1)$

p = required quantity of CP-HELLA pins

n = number of KSV diffusers in an array

Ordering Codes

CP-HELLA (Item No. 141358)

Quick Selection

Air flow volume q_v at different A-weighted sound power levels L_{WA}

Item	35 dB(A)		40 dB(A)		45 dB(A)	
	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s
KSV-1-600-B-0-AN + PB-KSV-1-600	73	20	84	23	97	27
KSV-1-750-B-0-AN + PB-KSV-1-750	88	24	102	28	118	33
KSV-1-900-B-0-AN + PB-KSV-1-900	99	27	114	32	131	36
KSV-1-1050-B-0-AN + PB-KSV-1-1050	112	31	130	36	149	41
KSV-1-1200-B-0-AN + PB-KSV-1-1200	128	36	148	41	170	47
KSV-1-1350-B-0-AN + PB-KSV-1-1350(600-750)	161	45	186	52	213	59
KSV-1-1500-B-0-AN + PB-KSV-1-1500(750-750)	176	49	204	57	235	65
KSV-1-1650-B-0-AN + PB-KSV-1-1650(750-900)	199	55	232	64	268	75
KSV-1-1800-B-0-AN + PB-KSV-1-1800(900-900)	194	54	225	63	259	72
KSV-1-1950-B-0-AN + PB-KSV-1-1950(900-1050)	207	58	241	67	279	77
KSV-2-600-B-0-AN + PB-KSV-2-600	131	36	151	42	173	48
KSV-2-750-B-0-AN + PB-KSV-2-750	155	43	179	50	205	57
KSV-2-900-B-0-AN + PB-KSV-2-900	179	50	208	58	239	66
KSV-2-1050-B-0-AN + PB-KSV-2-1050	203	57	234	65	268	74
KSV-2-1200-B-0-AN + PB-KSV-2-1200	223	62	259	72	298	83
KSV-2-1350-B-0-AN + PB-KSV-2-1350(600-750)	285	79	329	91	377	105
KSV-2-1500-B-0-AN + PB-KSV-2-1500(750-750)	311	86	357	99	407	113
KSV-2-1650-B-0-AN + PB-KSV-2-1650(750-900)	351	98	404	112	460	128
KSV-2-1800-B-0-AN + PB-KSV-2-1800(900-900)	343	95	398	110	458	127
KSV-2-1950-B-0-AN + PB-KSV-2-1950(900-1050)	364	101	423	117	487	135
KSV-3-600-B-0-AN + PB-KSV-3-600	189	53	219	61	250	70
KSV-3-750-B-0-AN + PB-KSV-3-750	216	60	259	72	307	85
KSV-3-900-B-0-AN + PB-KSV-3-900	244	68	286	79	332	92
KSV-3-1050-B-0-AN + PB-KSV-3-1050	255	71	305	85	361	100
KSV-3-1200-B-0-AN + PB-KSV-3-1200	307	85	388	108	483	134
KSV-3-1350-B-0-AN + PB-KSV-3-1350(600-750)	388	108	465	129	553	154
KSV-3-1500-B-0-AN + PB-KSV-3-1500(750-750)	433	120	517	144	611	170
KSV-3-1650-B-0-AN + PB-KSV-3-1650(750-900)	459	127	550	153	652	181
KSV-3-1800-B-0-AN + PB-KSV-3-1800(900-900)	468	130	592	164	740	206
KSV-3-1950-B-0-AN + PB-KSV-3-1950(900-1050)	510	142	640	178	794	221
KSV-4-600-B-0-AN + PB-KSV-4-600	236	66	273	76	314	87
KSV-4-750-B-0-AN + PB-KSV-4-750	263	73	318	88	380	106
KSV-4-900-B-0-AN + PB-KSV-4-900	308	86	388	108	482	134
KSV-4-1050-B-0-AN + PB-KSV-4-1050	339	94	432	120	541	150
KSV-4-1200-B-0-AN + PB-KSV-4-1200	411	114	510	142	624	173
KSV-4-1350-B-0-AN + PB-KSV-4-1350(600-750)	485	135	587	163	702	195

Item	35 dB(A)		40 dB(A)		45 dB(A)	
	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s
KSV-4-1500-B-0-AN + PB-KSV-4-1500(750-750)	527	146	637	177	763	212
KSV-4-1650-B-0-AN + PB-KSV-4-1650(750-900)	588	163	746	207	932	259
KSV-4-1800-B-0-AN + PB-KSV-4-1800(900-900)	585	163	725	201	886	246
KSV-4-1950-B-0-AN + PB-KSV-4-1950(900-1050)	624	173	787	219	982	273

NOTE: The working points were measured with open adjustment damper.

Air flow volume q_v at different A-weighted sound pressure levels L_{pA} with 10m² absorption area

Item	30 dB(A)		35 dB(A)		40 dB(A)	
	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s
KSV-1-600-B-0-AN + PB-KSV-1-600	71	20	82	23	94	26
KSV-1-750-B-0-AN + PB-KSV-1-750	85	24	99	28	114	32
KSV-1-900-B-0-AN + PB-KSV-1-900	96	27	111	31	127	35
KSV-1-1050-B-0-AN + PB-KSV-1-1050	109	30	126	35	145	40
KSV-1-1200-B-0-AN + PB-KSV-1-1200	124	35	144	40	165	46
KSV-1-1350-B-0-AN + PB-KSV-1-1350(600-750)	156	43	181	50	208	58
KSV-1-1500-B-0-AN + PB-KSV-1-1500(750-750)	170	47	198	55	229	64
KSV-1-1650-B-0-AN + PB-KSV-1-1650(750-900)	193	54	225	63	261	72
KSV-1-1800-B-0-AN + PB-KSV-1-1800(900-900)	188	52	219	61	252	70
KSV-1-1950-B-0-AN + PB-KSV-1-1950(900-1050)	201	56	234	65	271	75
KSV-2-600-B-0-AN + PB-KSV-2-600	127	35	147	41	168	47
KSV-2-750-B-0-AN + PB-KSV-2-750	151	42	174	48	200	55
KSV-2-900-B-0-AN + PB-KSV-2-900	173	48	202	56	233	65
KSV-2-1050-B-0-AN + PB-KSV-2-1050	198	55	228	63	261	73
KSV-2-1200-B-0-AN + PB-KSV-2-1200	216	60	251	70	290	80
KSV-2-1350-B-0-AN + PB-KSV-2-1350(600-750)	277	77	320	89	367	102
KSV-2-1500-B-0-AN + PB-KSV-2-1500(750-750)	302	84	348	97	397	110
KSV-2-1650-B-0-AN + PB-KSV-2-1650(750-900)	341	95	393	109	448	125
KSV-2-1800-B-0-AN + PB-KSV-2-1800(900-900)	332	92	386	107	445	124
KSV-2-1950-B-0-AN + PB-KSV-2-1950(900-1050)	352	98	410	114	474	132
KSV-3-600-B-0-AN + PB-KSV-3-600	184	51	213	59	244	68
KSV-3-750-B-0-AN + PB-KSV-3-750	208	58	250	69	297	83
KSV-3-900-B-0-AN + PB-KSV-3-900	236	66	277	77	322	89
KSV-3-1050-B-0-AN + PB-KSV-3-1050	246	68	295	82	349	97
KSV-3-1200-B-0-AN + PB-KSV-3-1200	293	81	370	103	463	129
KSV-3-1350-B-0-AN + PB-KSV-3-1350(600-750)	373	104	449	125	534	148
KSV-3-1500-B-0-AN + PB-KSV-3-1500(750-750)	417	116	500	139	591	164
KSV-3-1650-B-0-AN + PB-KSV-3-1650(750-900)	441	123	531	147	630	175
KSV-3-1800-B-0-AN + PB-KSV-3-1800(900-900)	445	124	566	157	708	197
KSV-3-1950-B-0-AN + PB-KSV-3-1950(900-1050)	486	135	612	170	761	211
KSV-4-600-B-0-AN + PB-KSV-4-600	229	63	265	74	305	85
KSV-4-750-B-0-AN + PB-KSV-4-750	253	70	306	85	367	102
KSV-4-900-B-0-AN + PB-KSV-4-900	294	82	371	103	462	128
KSV-4-1050-B-0-AN + PB-KSV-4-1050	323	90	412	114	518	144
KSV-4-1200-B-0-AN + PB-KSV-4-1200	393	109	489	136	599	166
KSV-4-1350-B-0-AN + PB-KSV-4-1350(600-750)	466	130	565	157	678	188
KSV-4-1500-B-0-AN + PB-KSV-4-1500(750-750)	506	140	614	171	736	205
KSV-4-1650-B-0-AN + PB-KSV-4-1650(750-900)	560	155	713	198	893	248

Item	30 dB(A)		35 dB(A)		40 dB(A)	
	m ³ /h	l/s	m ³ /h	l/s	m ³ /h	l/s
KSV-4-1800-B-0-AN + PB-KSV-4-1800(900-900)	560	155	695	193	852	237
KSV-4-1950-B-0-AN + PB-KSV-4-1950(900-1050)	594	165	752	209	940	261

NOTE: The working points were measured with open adjustment damper.

Technical Parameters

Legend

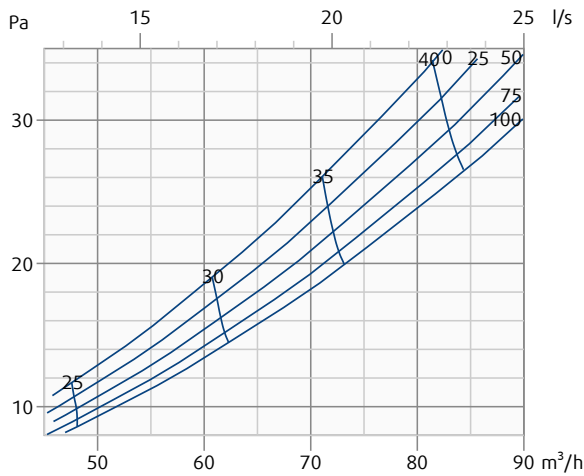
- $L_{0,2}$ (m) Air throw length with terminal velocity 0,2 m/s
- L_x (m) Air throw length calculated for specific terminal velocity
- x (m/s) Terminal velocity in range of 0,1 m/s ... 1 m/s
- 0%, 25%, 50%, 75%, 100%** The slider adjustment damper positions in pressure drop/noise diagrams are represented as percentage. 0% is fully closed damper. 100% is fully open damper.

Calculation of Air Throw for Different Terminal Velocities

$$L_x = L_{0,2} \cdot 0,2/x$$

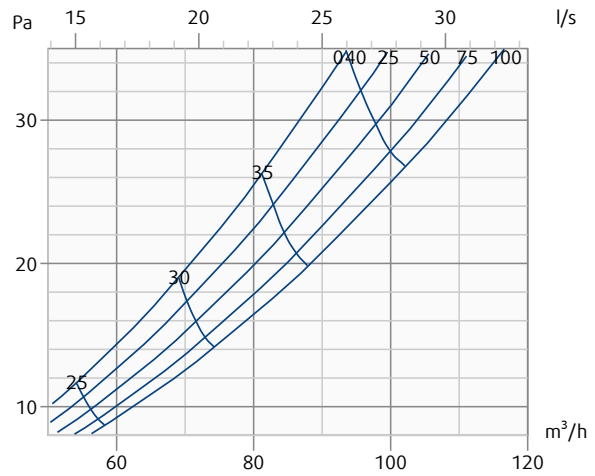
KSV-1-600-B-0-AN + PB-KSV-1-600

Pressure drop & A-weighted sound power level in dB(A)



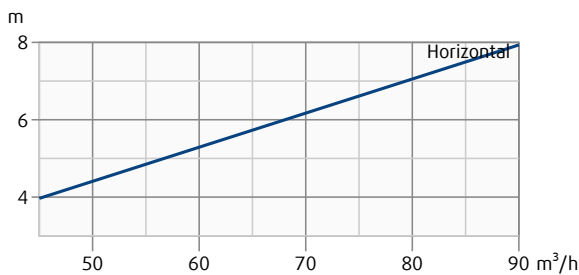
KSV-1-750-B-0-AN + PB-KSV-1-750

Pressure drop & A-weighted sound power level in dB(A)



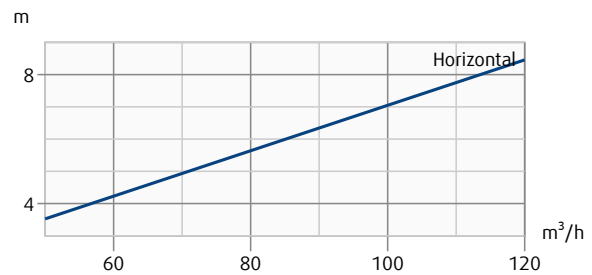
KSV-1-600-B-0-AN + PB-KSV-1-600

Throw length (terminal velocity 0.2 m/s)



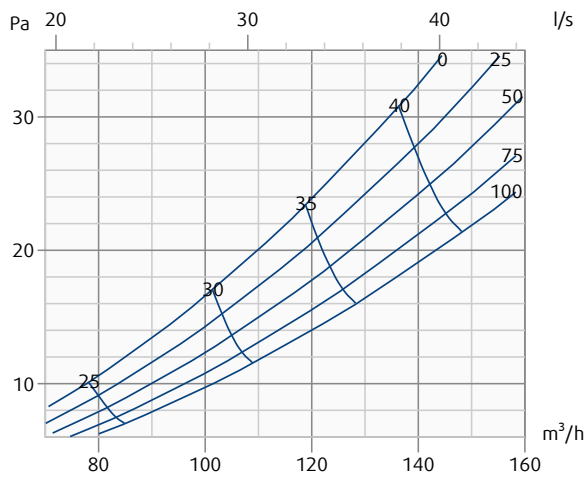
KSV-1-750-B-0-AN + PB-KSV-1-750

Throw length (terminal velocity 0.2 m/s)



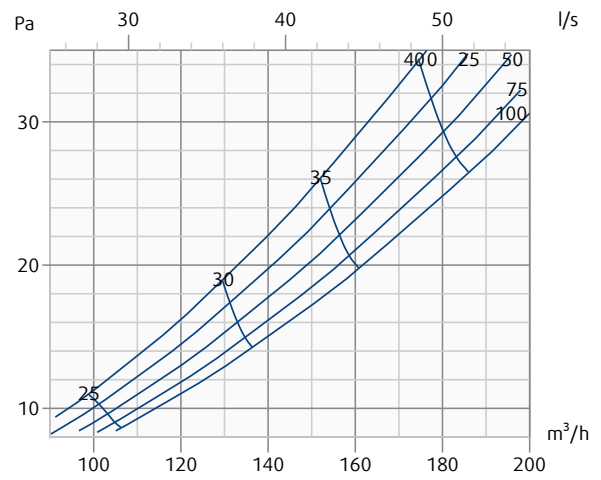
KSV-1-1200-B-0-AN + PB-KSV-1-1200

Pressure drop & A-weighted sound power level in dB(A)



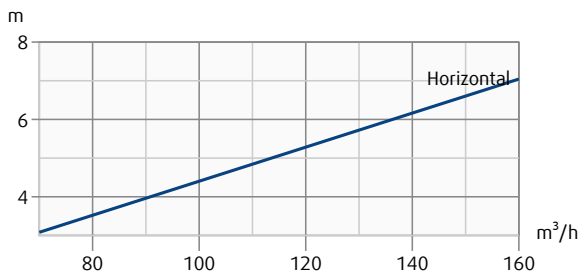
KSV-1-1350-B-0-AN + PB-KSV-1-1350(600-750)

Pressure drop & A-weighted sound power level in dB(A)



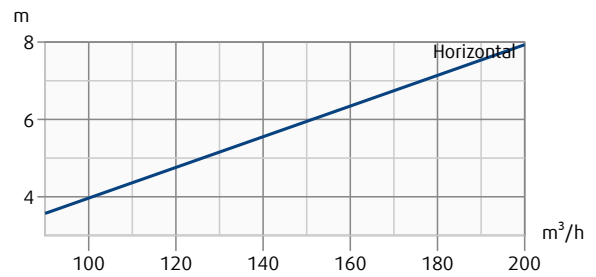
KSV-1-1200-B-0-AN + PB-KSV-1-1200

Throw length (terminal velocity 0.2 m/s)



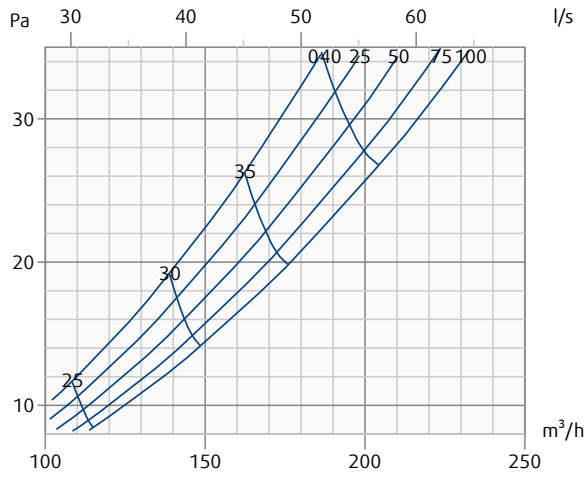
KSV-1-1350-B-0-AN + PB-KSV-1-1350(600-750)

Throw length (terminal velocity 0.2 m/s)



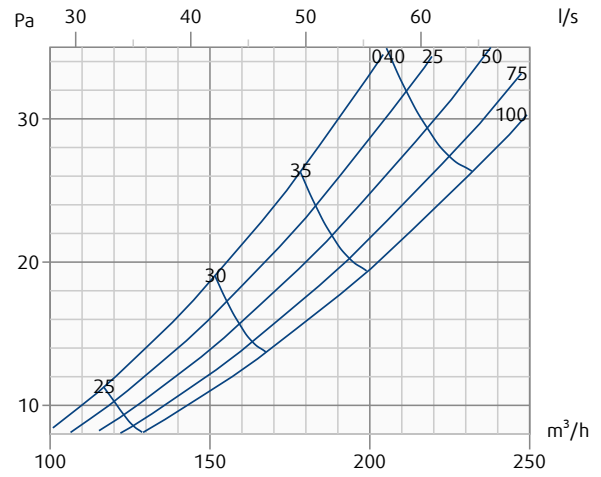
KSV-1-1500-B-0-AN + PB-KSV-1-1500(750-750)

Pressure drop & A-weighted sound power level in dB(A)



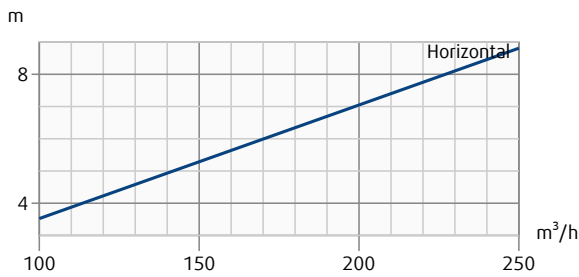
KSV-1-1650-B-0-AN + PB-KSV-1-1650(750-900)

Pressure drop & A-weighted sound power level in dB(A)



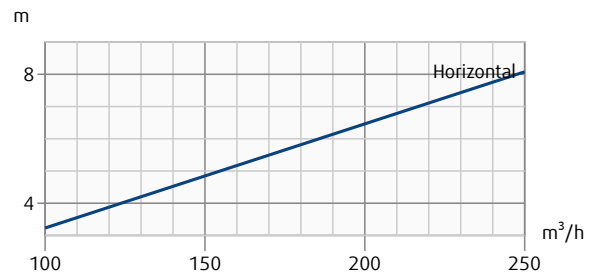
KSV-1-1500-B-0-AN + PB-KSV-1-1500(750-750)

Throw length (terminal velocity 0.2 m/s)



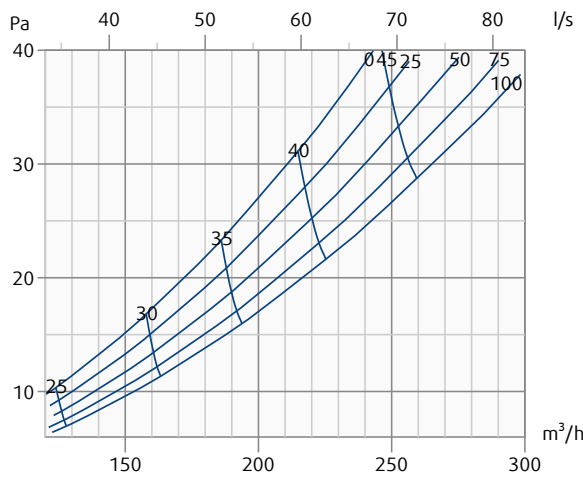
KSV-1-1650-B-0-AN + PB-KSV-1-1650(750-900)

Throw length (terminal velocity 0.2 m/s)



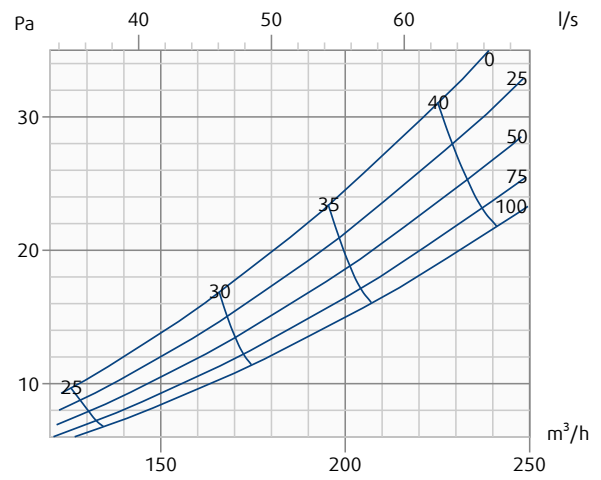
KSV-1-1800-B-0-AN + PB-KSV-1-1800(900-900)

Pressure drop & A-weighted sound power level in dB(A)



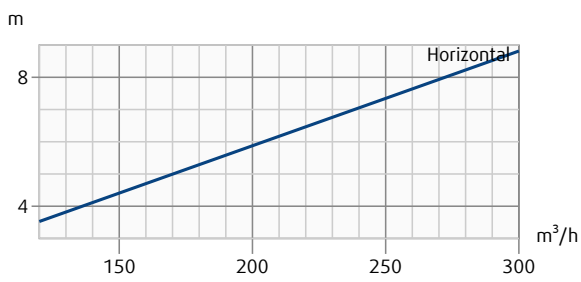
KSV-1-1950-B-0-AN + PB-KSV-1-1950(900-1050)

Pressure drop & A-weighted sound power level in dB(A)



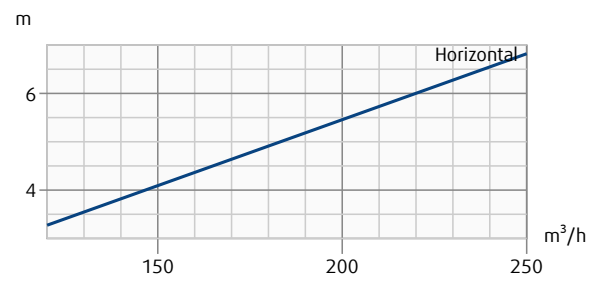
KSV-1-1800-B-0-AN + PB-KSV-1-1800(900-900)

Throw length (terminal velocity 0.2 m/s)



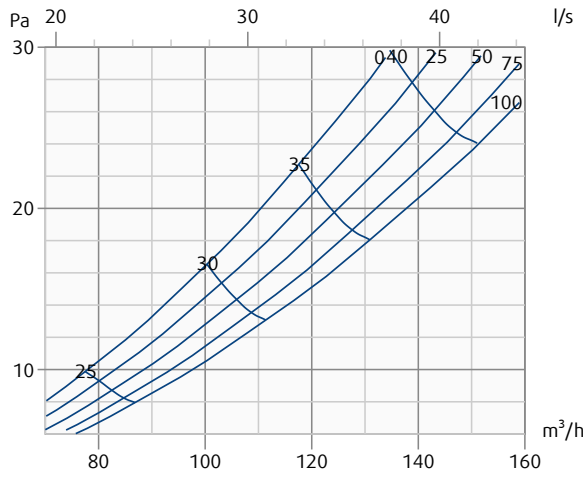
KSV-1-1950-B-0-AN + PB-KSV-1-1950(900-1050)

Throw length (terminal velocity 0.2 m/s)



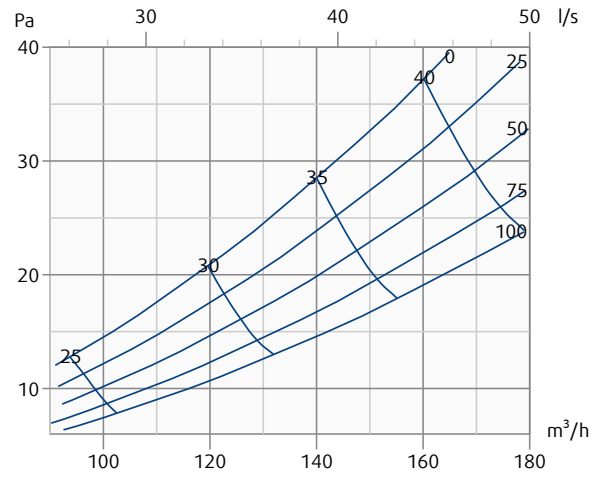
KSV-2-600-B-0-AN + PB-KSV-2-600

Pressure drop & A-weighted sound power level in dB(A)



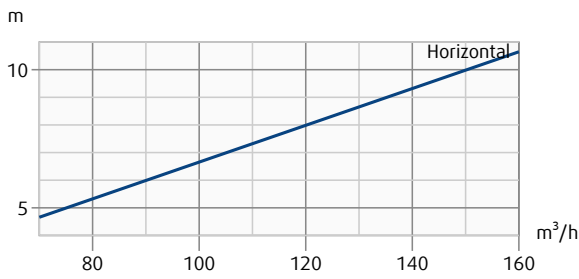
KSV-2-750-B-0-AN + PB-KSV-2-750

Pressure drop & A-weighted sound power level in dB(A)



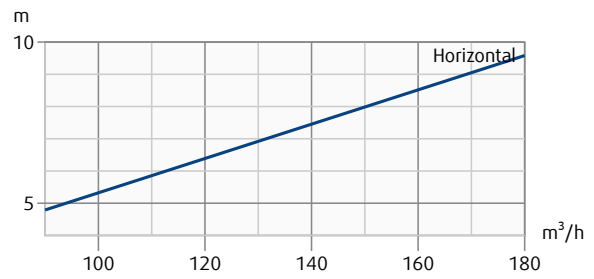
KSV-2-600-B-0-AN + PB-KSV-2-600

Throw length (terminal velocity 0.2 m/s)



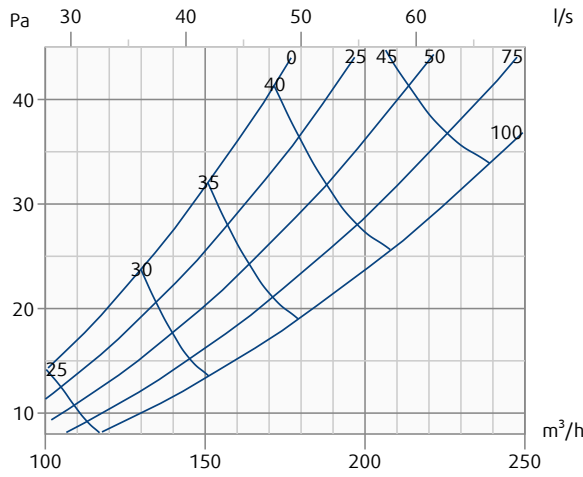
KSV-2-750-B-0-AN + PB-KSV-2-750

Throw length (terminal velocity 0.2 m/s)



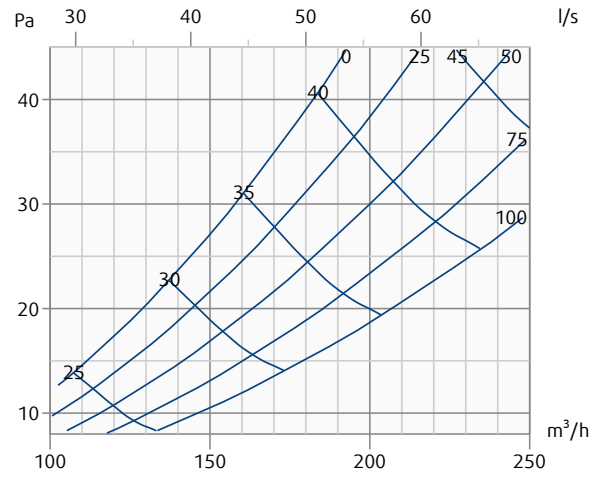
KSV-2-900-B-0-AN + PB-KSV-2-900

Pressure drop & A-weighted sound power level in dB(A)



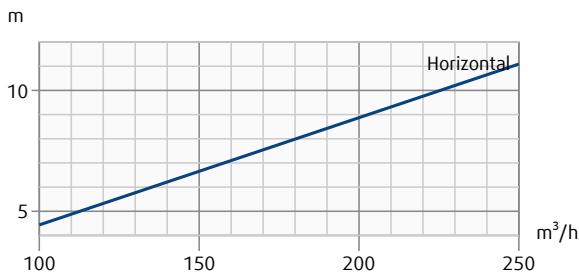
KSV-2-1050-B-0-AN + PB-KSV-2-1050

Pressure drop & A-weighted sound power level in dB(A)



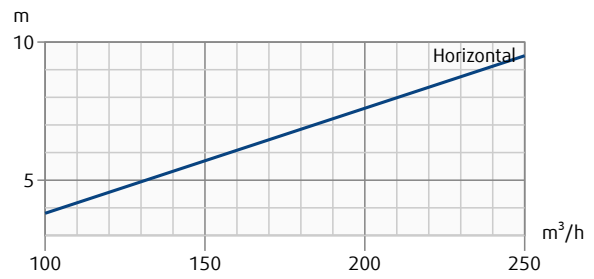
KSV-2-900-B-0-AN + PB-KSV-2-900

Throw length (terminal velocity 0.2 m/s)



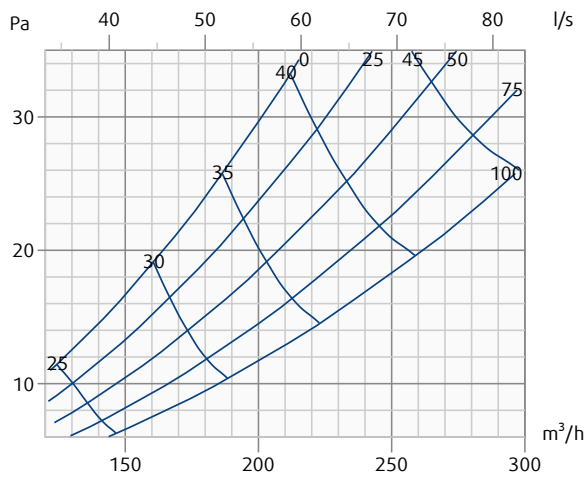
KSV-2-1050-B-0-AN + PB-KSV-2-1050

Throw length (terminal velocity 0.2 m/s)



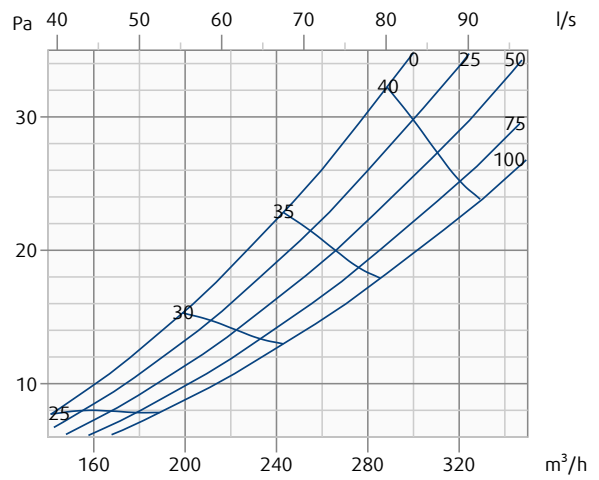
KSV-2-1200-B-0-AN + PB-KSV-2-1200

Pressure drop & A-weighted sound power level in dB(A)



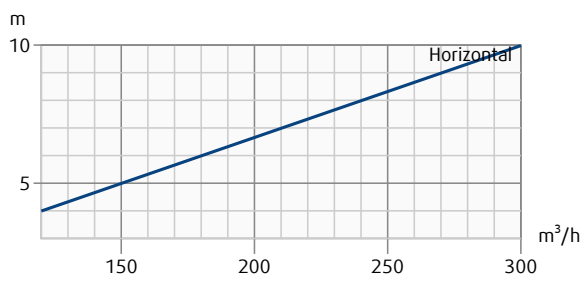
KSV-2-1350-B-0-AN + PB-KSV-2-1350(600-750)

Pressure drop & A-weighted sound power level in dB(A)



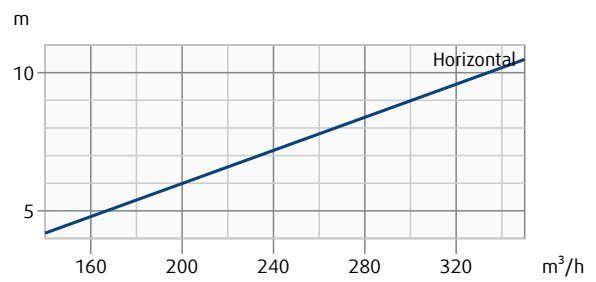
KSV-2-1200-B-0-AN + PB-KSV-2-1200

Throw length (terminal velocity 0.2 m/s)



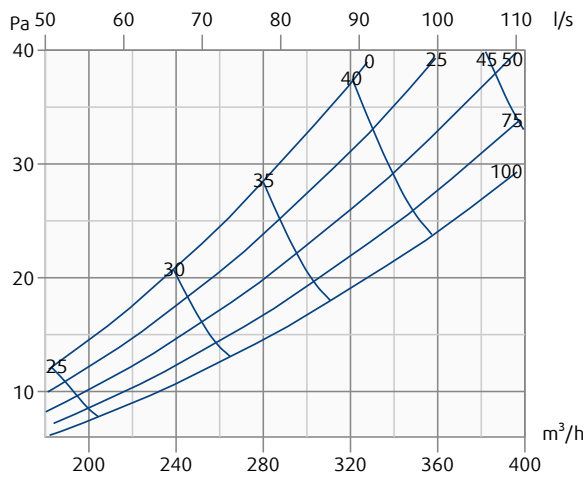
KSV-2-1350-B-0-AN + PB-KSV-2-1350(600-750)

Throw length (terminal velocity 0.2 m/s)



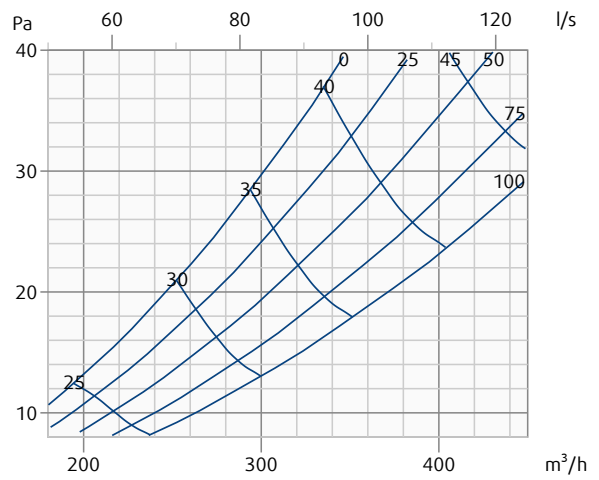
KSV-2-1500-B-0-AN + PB-KSV-2-1500(750-750)

Pressure drop & A-weighted sound power level in dB(A)



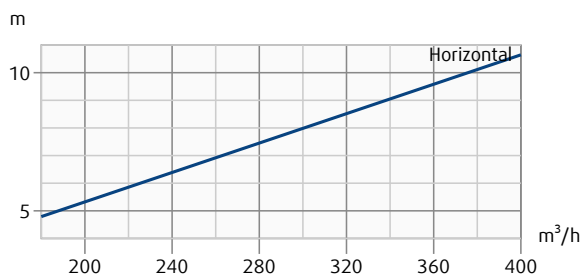
KSV-2-1650-B-0-AN + PB-KSV-2-1650(750-900)

Pressure drop & A-weighted sound power level in dB(A)



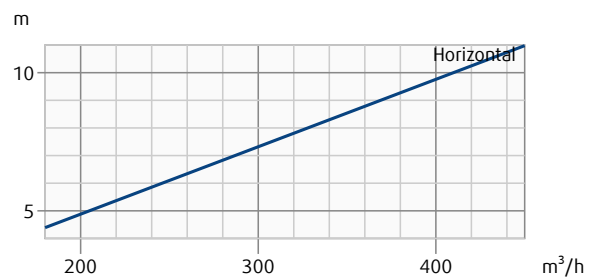
KSV-2-1500-B-0-AN + PB-KSV-2-1500(750-750)

Throw length (terminal velocity 0.2 m/s)



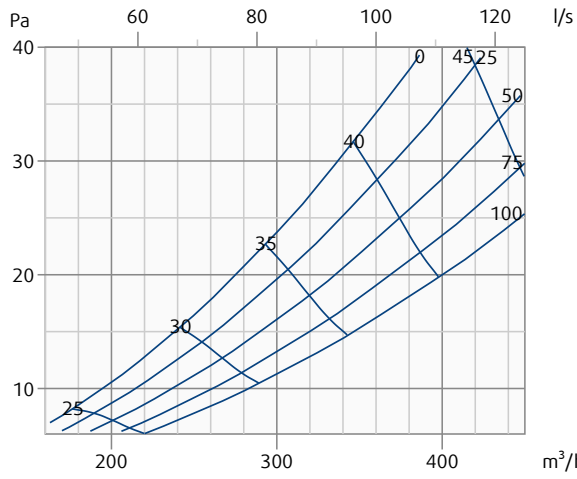
KSV-2-1650-B-0-AN + PB-KSV-2-1650(750-900)

Throw length (terminal velocity 0.2 m/s)



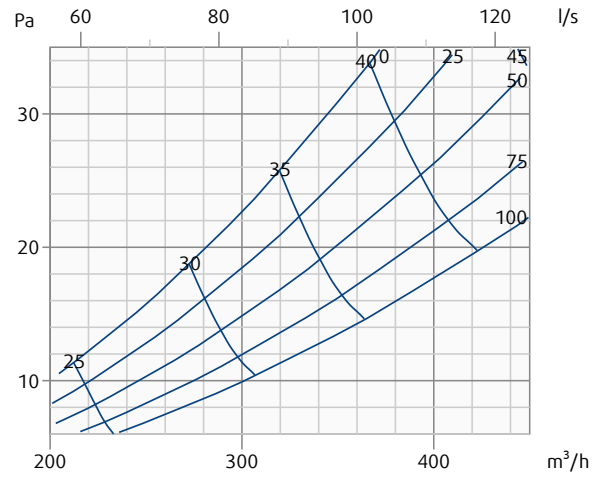
KSV-2-1800-B-0-AN + PB-KSV-2-1800(900-900)

Pressure drop & A-weighted sound power level in dB(A)



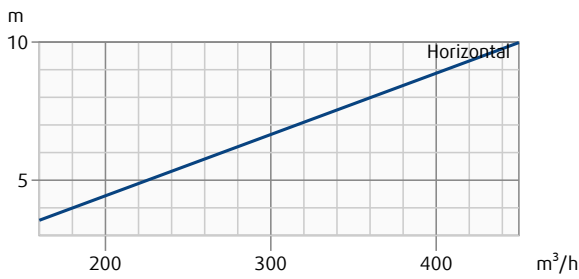
KSV-2-1950-B-0-AN + PB-KSV-2-1950(900-1050)

Pressure drop & A-weighted sound power level in dB(A)



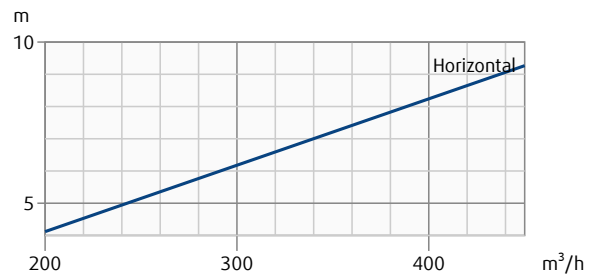
KSV-2-1800-B-0-AN + PB-KSV-2-1800(900-900)

Throw length (terminal velocity 0.2 m/s)



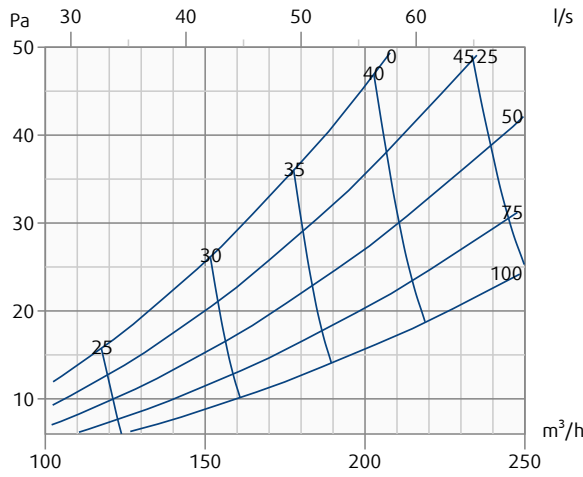
KSV-2-1950-B-0-AN + PB-KSV-2-1950(900-1050)

Throw length (terminal velocity 0.2 m/s)



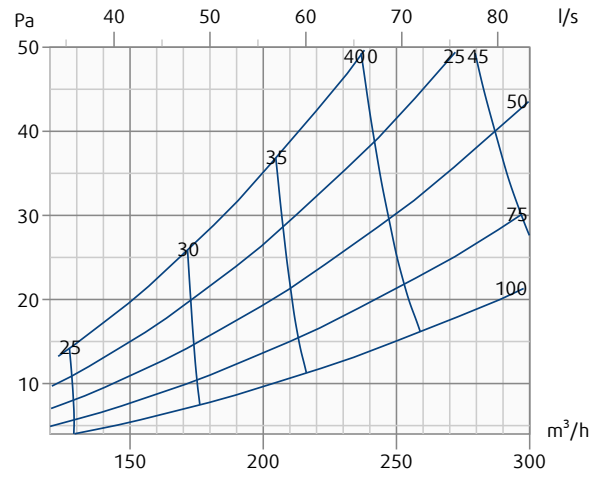
KSV-3-600-B-0-AN + PB-KSV-3-600

Pressure drop & A-weighted sound power level in dB(A)



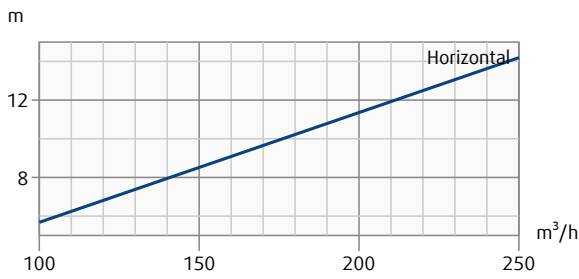
KSV-3-750-B-0-AN + PB-KSV-3-750

Pressure drop & A-weighted sound power level in dB(A)



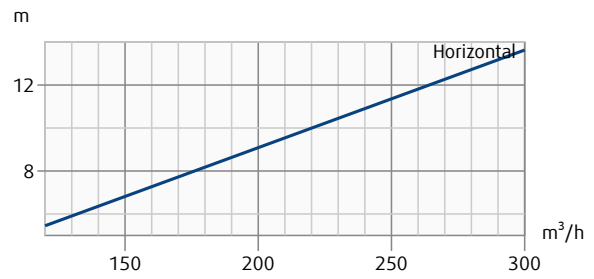
KSV-3-600-B-0-AN + PB-KSV-3-600

Throw length (terminal velocity 0.2 m/s)



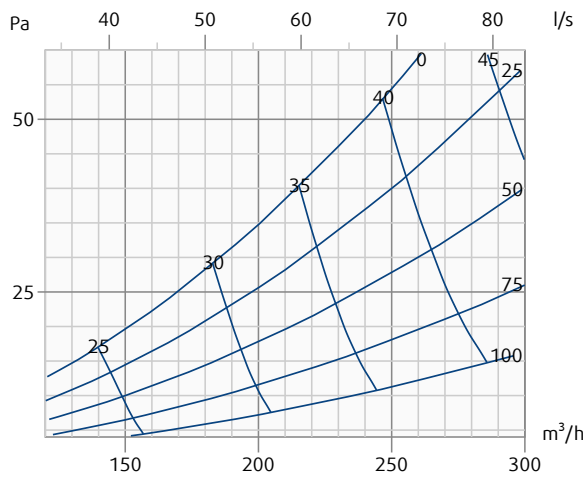
KSV-3-750-B-0-AN + PB-KSV-3-750

Throw length (terminal velocity 0.2 m/s)



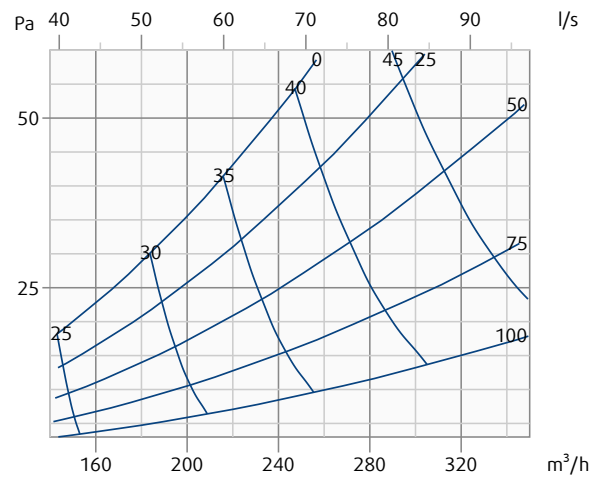
KSV-3-900-B-0-AN + PB-KSV-3-900

Pressure drop & A-weighted sound power level in dB(A)



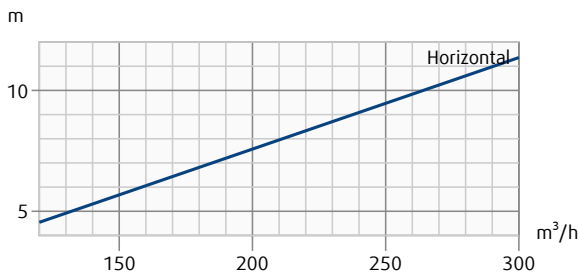
KSV-3-1050-B-0-AN + PB-KSV-3-1050

Pressure drop & A-weighted sound power level in dB(A)



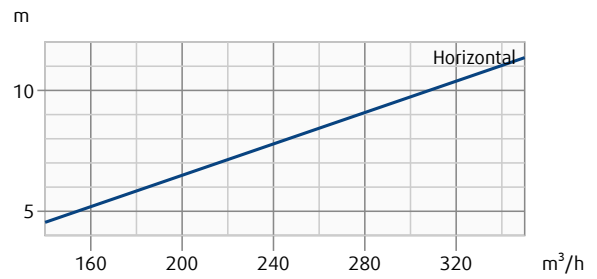
KSV-3-900-B-0-AN + PB-KSV-3-900

Throw length (terminal velocity 0.2 m/s)



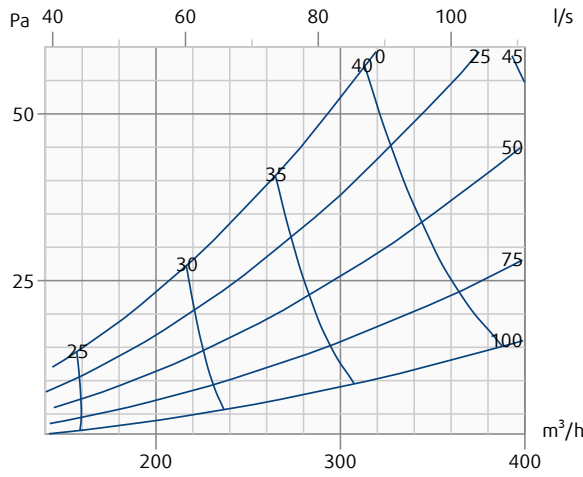
KSV-3-1050-B-0-AN + PB-KSV-3-1050

Throw length (terminal velocity 0.2 m/s)



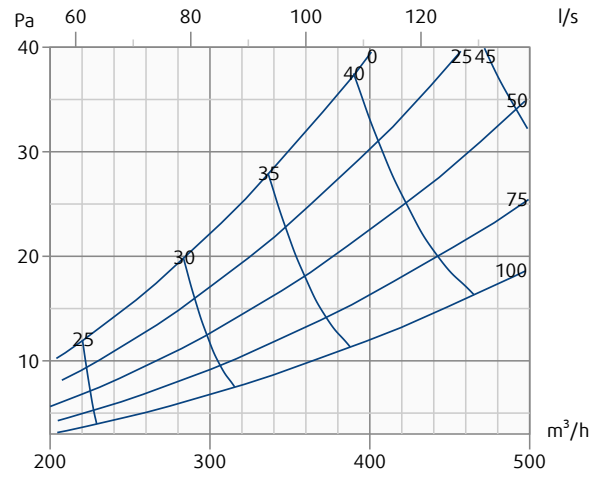
KSV-3-1200-B-0-AN + PB-KSV-3-1200

Pressure drop & A-weighted sound power level in dB(A)



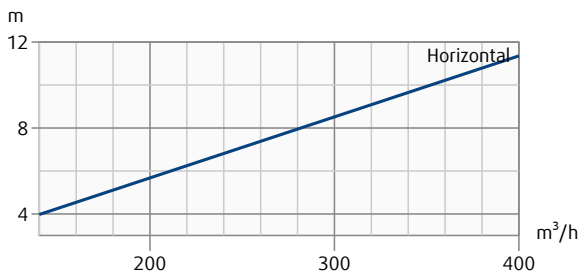
KSV-3-1350-B-0-AN + PB-KSV-3-1350(600-750)

Pressure drop & A-weighted sound power level in dB(A)



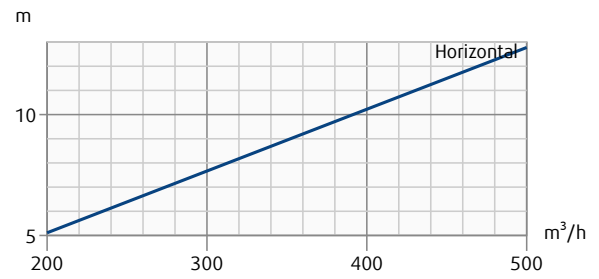
KSV-3-1200-B-0-AN + PB-KSV-3-1200

Throw length (terminal velocity 0.2 m/s)



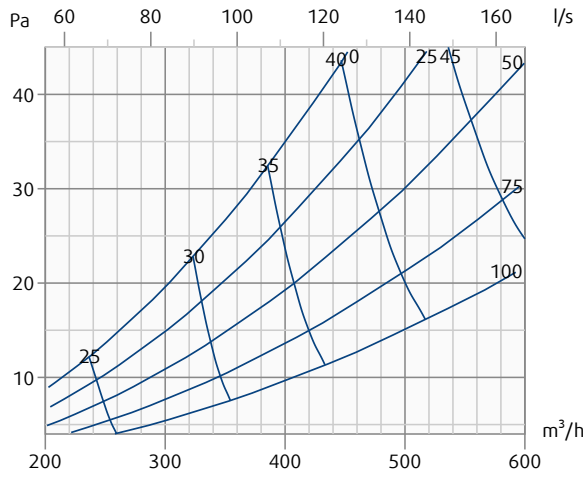
KSV-3-1350-B-0-AN + PB-KSV-3-1350(600-750)

Throw length (terminal velocity 0.2 m/s)



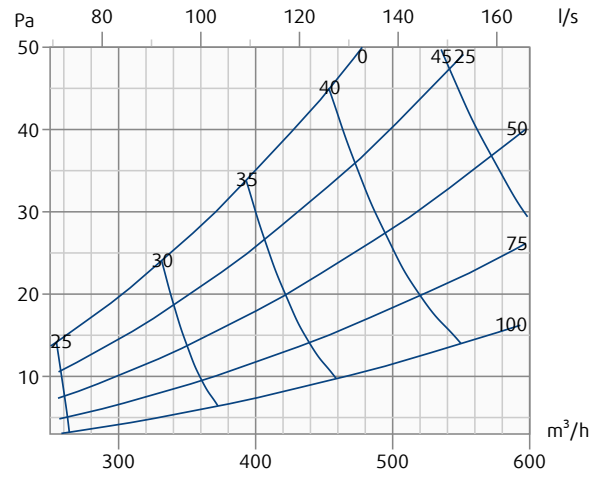
KSV-3-1500-B-0-AN + PB-KSV-3-1500(750-750)

Pressure drop & A-weighted sound power level in dB(A)



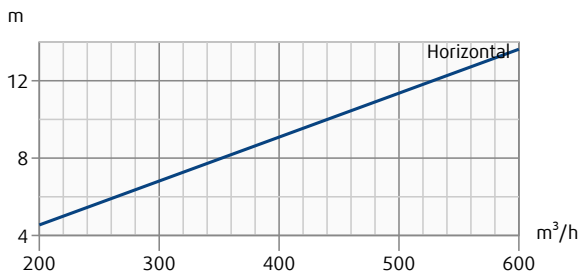
KSV-3-1650-B-0-AN + PB-KSV-3-1650(750-900)

Pressure drop & A-weighted sound power level in dB(A)



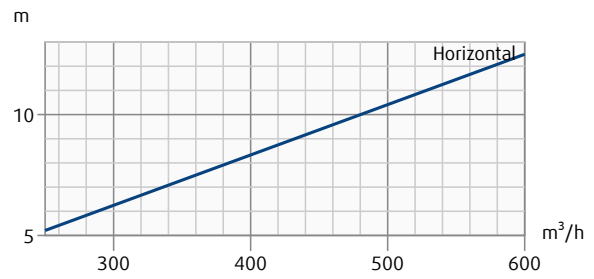
KSV-3-1500-B-0-AN + PB-KSV-3-1500(750-750)

Throw length (terminal velocity 0.2 m/s)



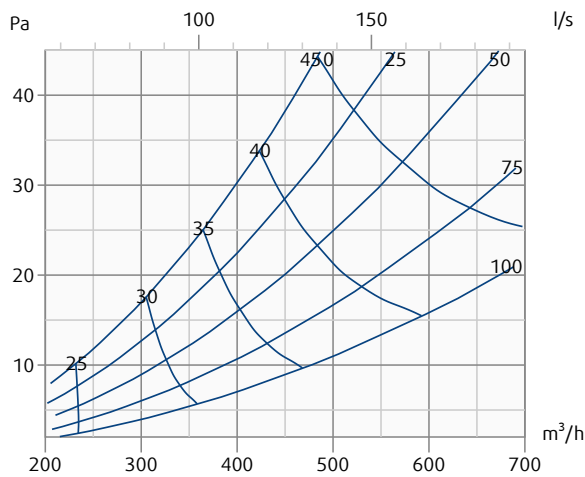
KSV-3-1650-B-0-AN + PB-KSV-3-1650(750-900)

Throw length (terminal velocity 0.2 m/s)



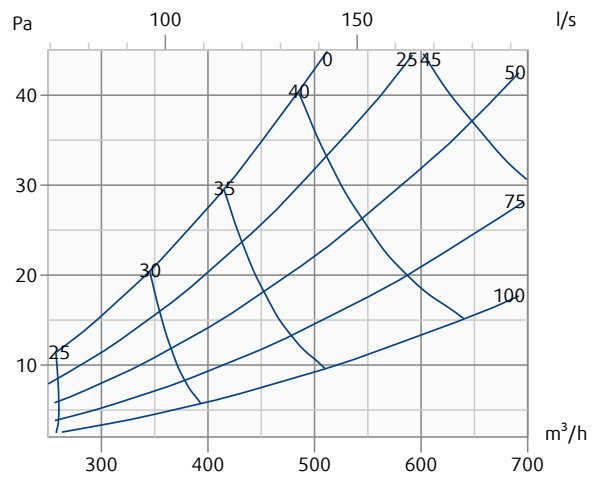
KSV-3-1800-B-0-AN + PB-KSV-3-1800(900-900)

Pressure drop & A-weighted sound power level in dB(A)



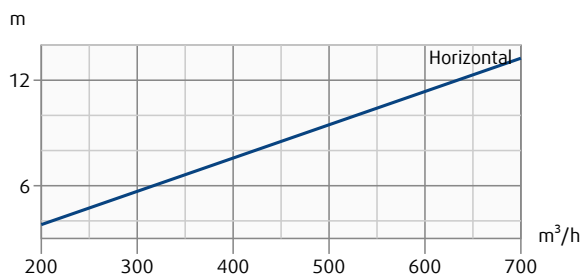
KSV-3-1950-B-0-AN + PB-KSV-3-1950(900-1050)

Pressure drop & A-weighted sound power level in dB(A)



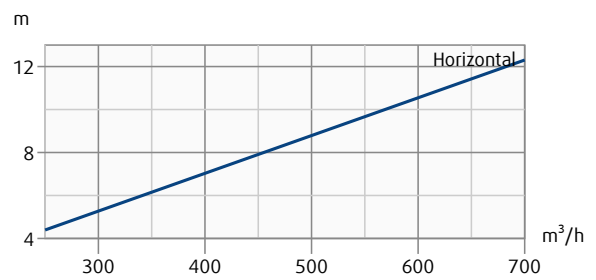
KSV-3-1800-B-0-AN + PB-KSV-3-1800(900-900)

Throw length (terminal velocity 0.2 m/s)



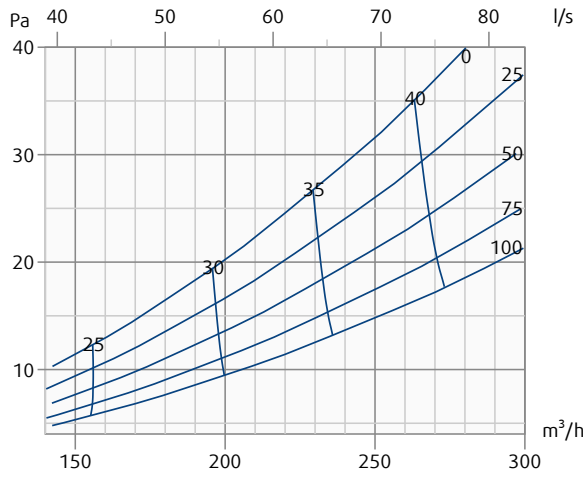
KSV-3-1950-B-0-AN + PB-KSV-3-1950(900-1050)

Throw length (terminal velocity 0.2 m/s)



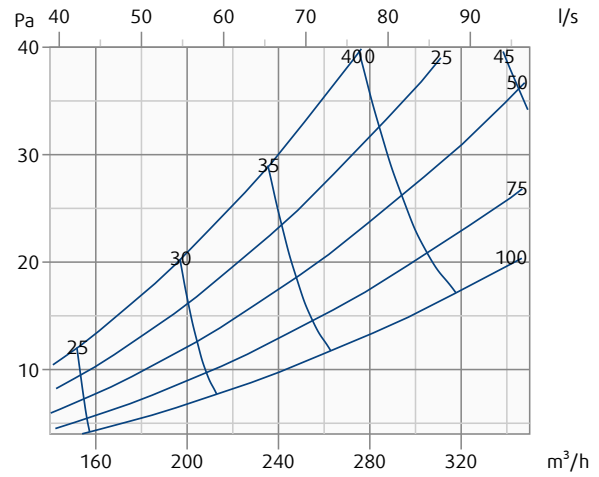
KSV-4-600-B-0-AN + PB-KSV-4-600

Pressure drop & A-weighted sound power level in dB(A)



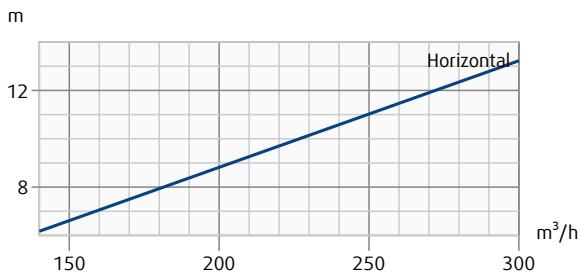
KSV-4-750-B-0-AN + PB-KSV-4-750

Pressure drop & A-weighted sound power level in dB(A)



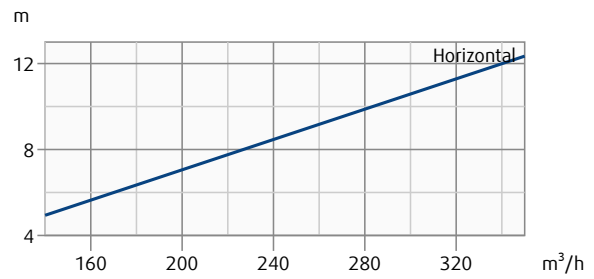
KSV-4-600-B-0-AN + PB-KSV-4-600

Throw length (terminal velocity 0.2 m/s)



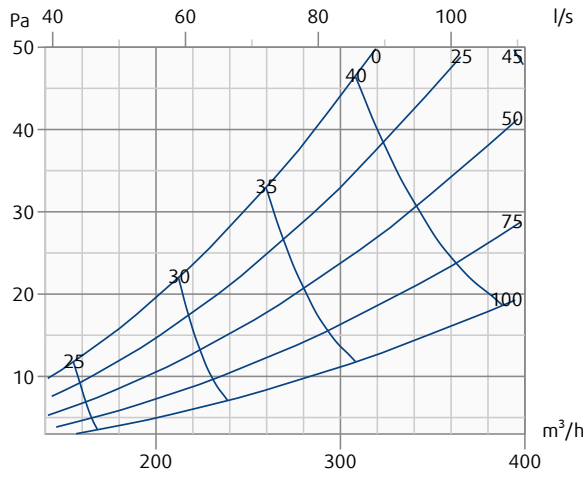
KSV-4-750-B-0-AN + PB-KSV-4-750

Throw length (terminal velocity 0.2 m/s)



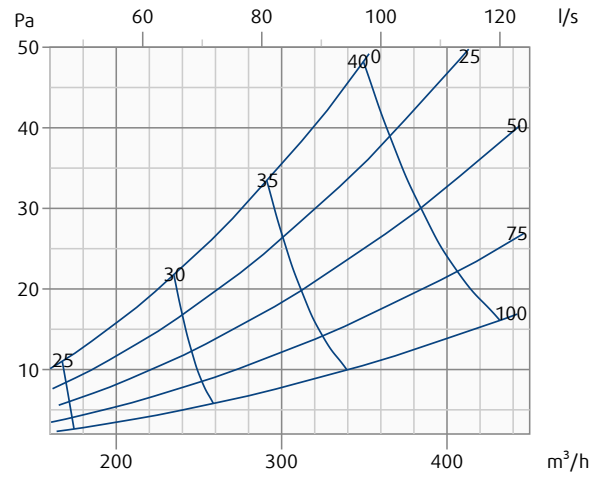
KSV-4-900-B-0-AN + PB-KSV-4-900

Pressure drop & A-weighted sound power level in dB(A)



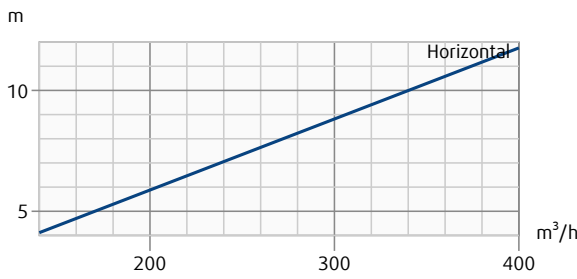
KSV-4-1050-B-0-AN + PB-KSV-4-1050

Pressure drop & A-weighted sound power level in dB(A)



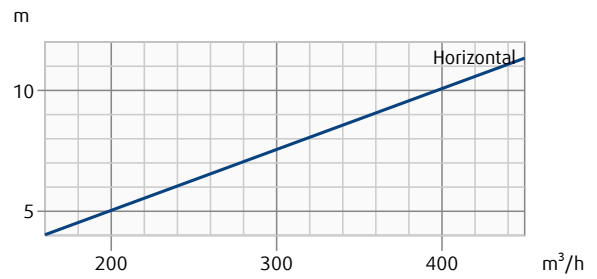
KSV-4-900-B-0-AN + PB-KSV-4-900

Throw length (terminal velocity 0.2 m/s)



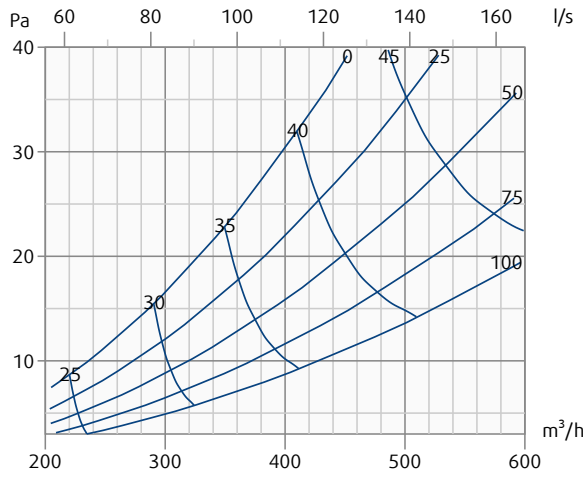
KSV-4-1050-B-0-AN + PB-KSV-4-1050

Throw length (terminal velocity 0.2 m/s)



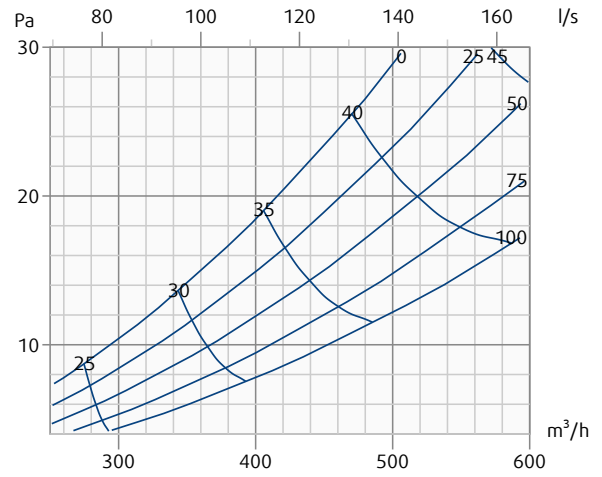
KSV-4-1200-B-0-AN + PB-KSV-4-1200

Pressure drop & A-weighted sound power level in dB(A)



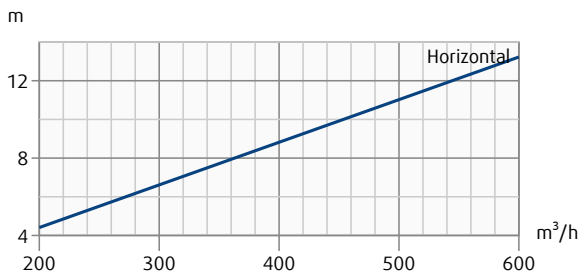
KSV-4-1350-B-0-AN + PB-KSV-4-1350(600-750)

Pressure drop & A-weighted sound power level in dB(A)



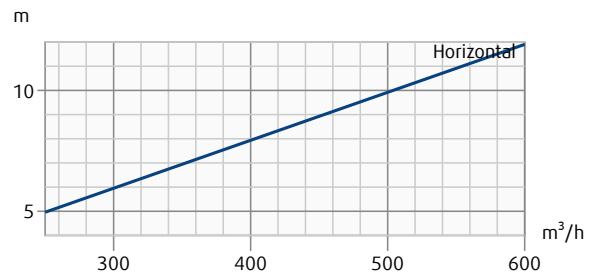
KSV-4-1200-B-0-AN + PB-KSV-4-1200

Throw length (terminal velocity 0.2 m/s)



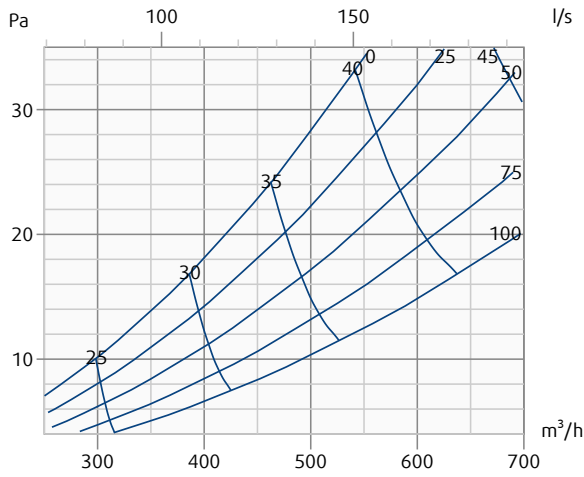
KSV-4-1350-B-0-AN + PB-KSV-4-1350(600-750)

Throw length (terminal velocity 0.2 m/s)



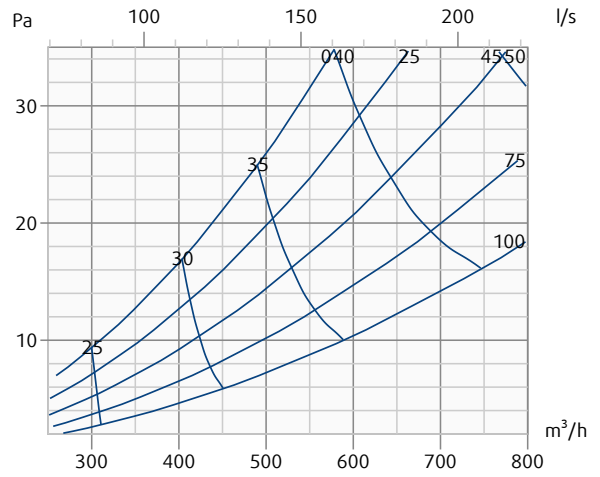
KSV-4-1500-B-0-AN + PB-KSV-4-1500(750-750)

Pressure drop & A-weighted sound power level in dB(A)



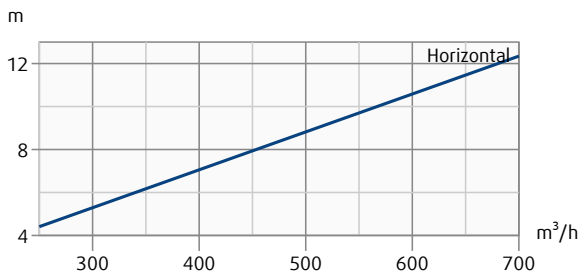
KSV-4-1650-B-0-AN + PB-KSV-4-1650(750-900)

Pressure drop & A-weighted sound power level in dB(A)



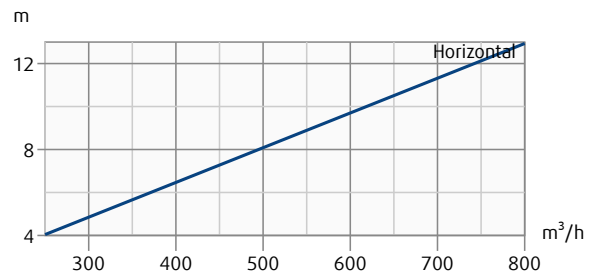
KSV-4-1500-B-0-AN + PB-KSV-4-1500(750-750)

Throw length (terminal velocity 0.2 m/s)



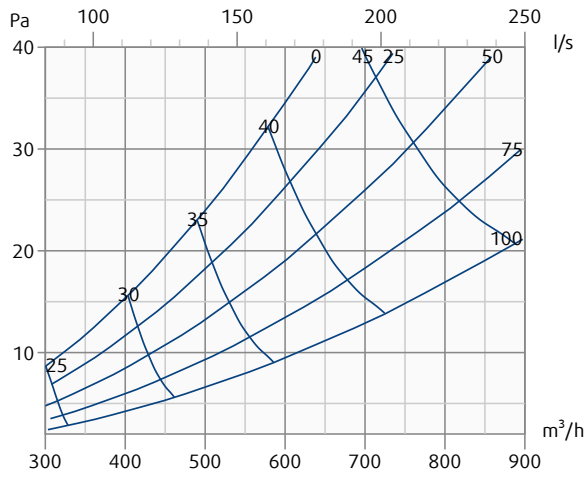
KSV-4-1650-B-0-AN + PB-KSV-4-1650(750-900)

Throw length (terminal velocity 0.2 m/s)



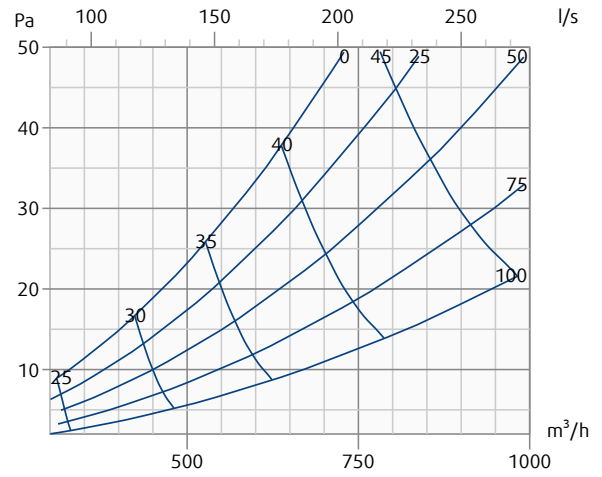
KSV-4-1800-B-0-AN + PB-KSV-4-1800(900-900)

Pressure drop & A-weighted sound power level in dB(A)



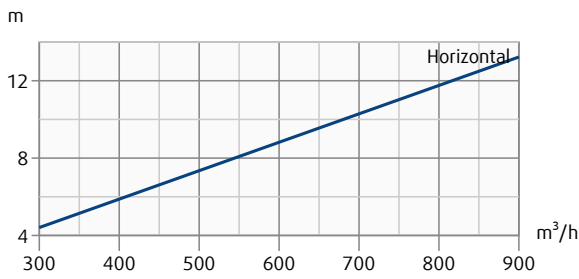
KSV-4-1950-B-0-AN + PB-KSV-4-1950(900-1050)

Pressure drop & A-weighted sound power level in dB(A)



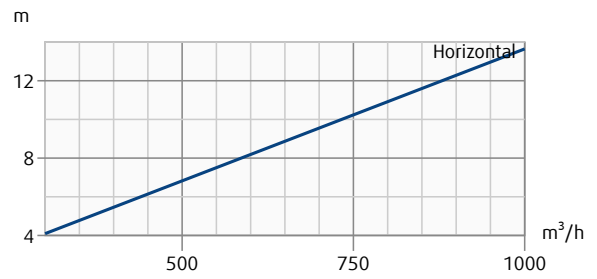
KSV-4-1800-B-0-AN + PB-KSV-4-1800(900-900)

Throw length (terminal velocity 0.2 m/s)

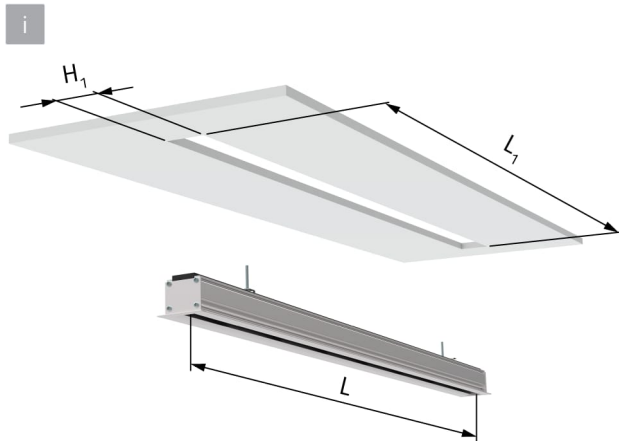


KSV-4-1950-B-0-AN + PB-KSV-4-1950(900-1050)

Throw length (terminal velocity 0.2 m/s)



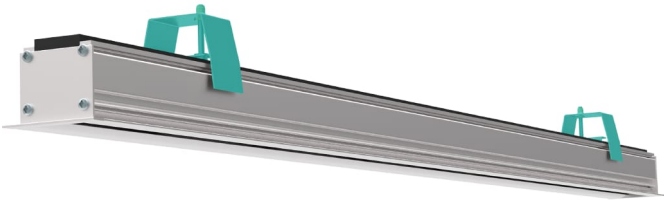
Installation



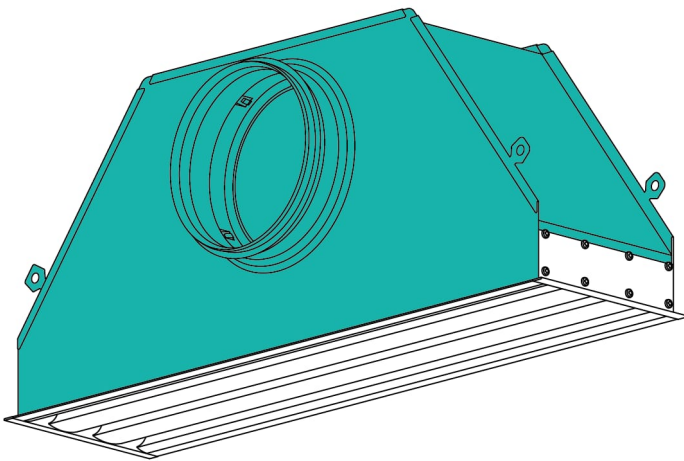
L (mm)	$L_1 \times H_1$ (mm)			
	KSV-1	KSV-2	KSV-3	KSV-4
600	605 × 58	605 × 109	605 × 160	605 × 211
750	755 × 58	755 × 109	755 × 160	755 × 211
900	905 × 58	905 × 109	905 × 160	905 × 211
1050	1055 × 58	1055 × 109	1055 × 160	1055 × 211
1200	1205 × 58	1205 × 109	1205 × 160	1205 × 211
1350	1355 × 58	1355 × 109	1355 × 160	1355 × 211
1500	1505 × 58	1505 × 109	1505 × 160	1505 × 211
1650	1655 × 58	1655 × 109	1655 × 160	1655 × 211
1800	1805 × 58	1805 × 109	1805 × 160	1805 × 211
1950	1955 × 58	1955 × 109	1955 × 160	1955 × 211



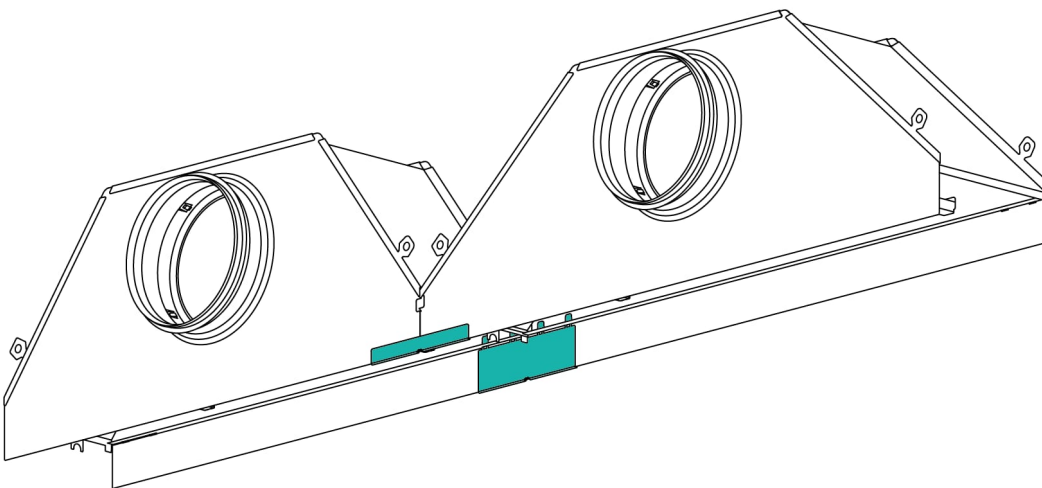
KSV + MB-KSV



KSV + PB-KSV



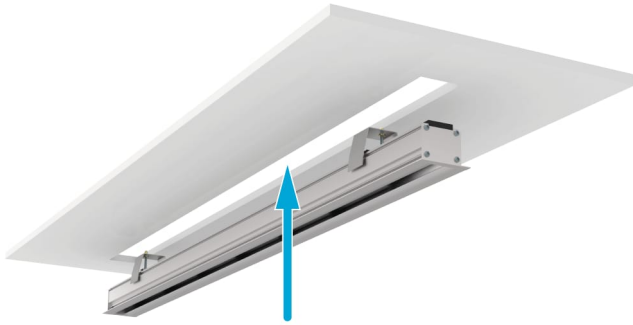
PB-KSV+ PB-KSV + CP-KSV



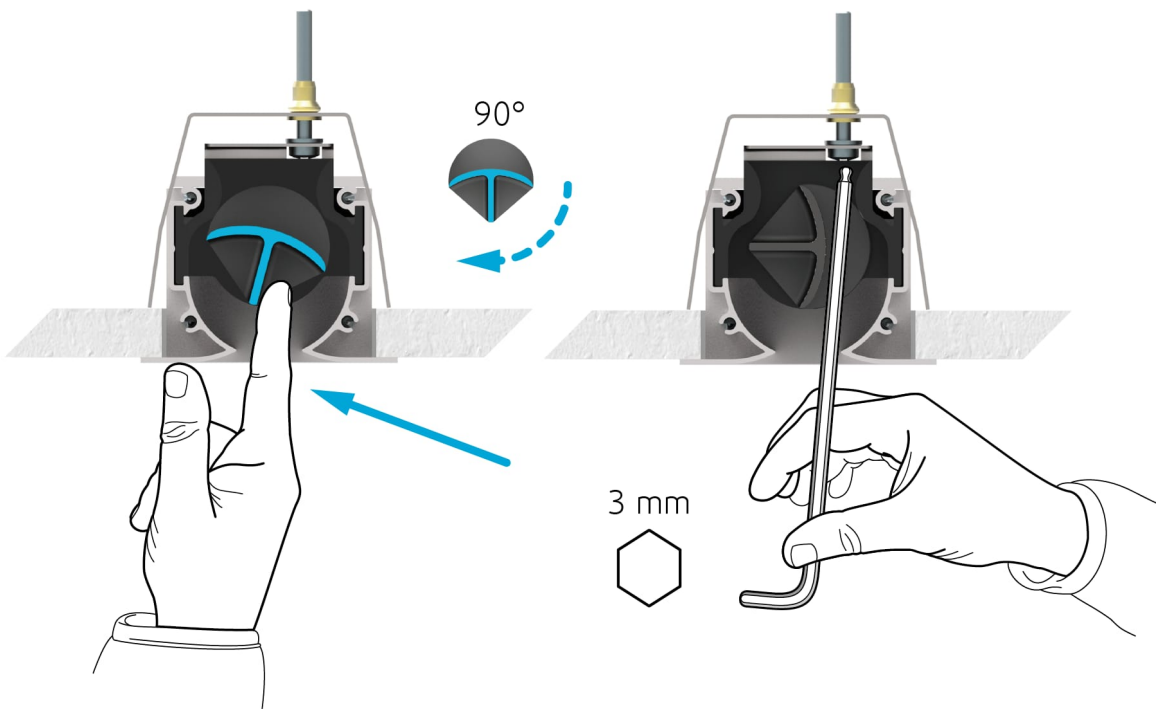
KSV + MB-KSV



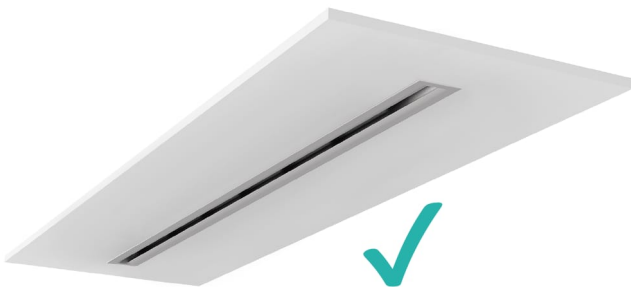
1



2-3



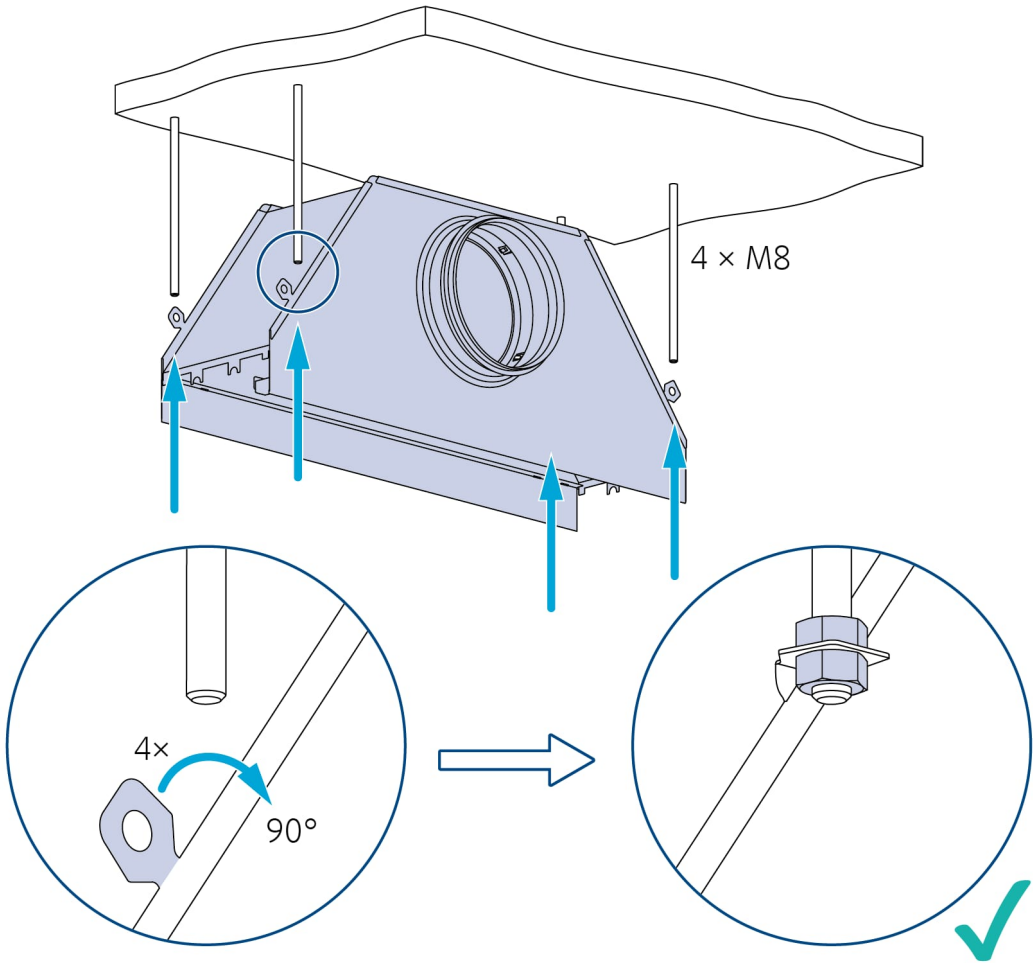
4



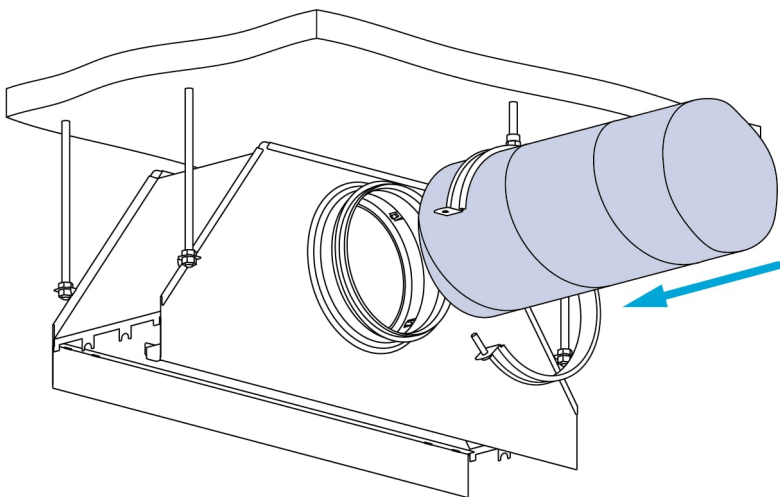
KSV + PB-KSV



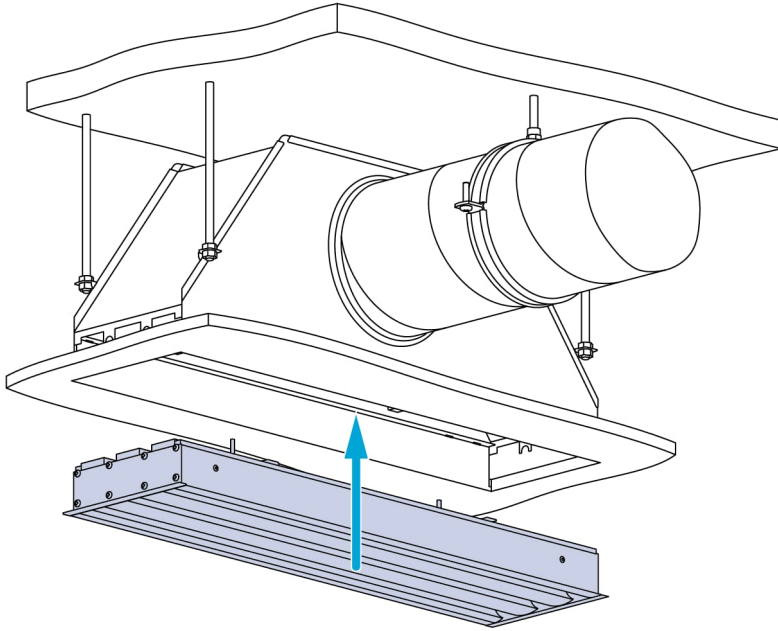
1



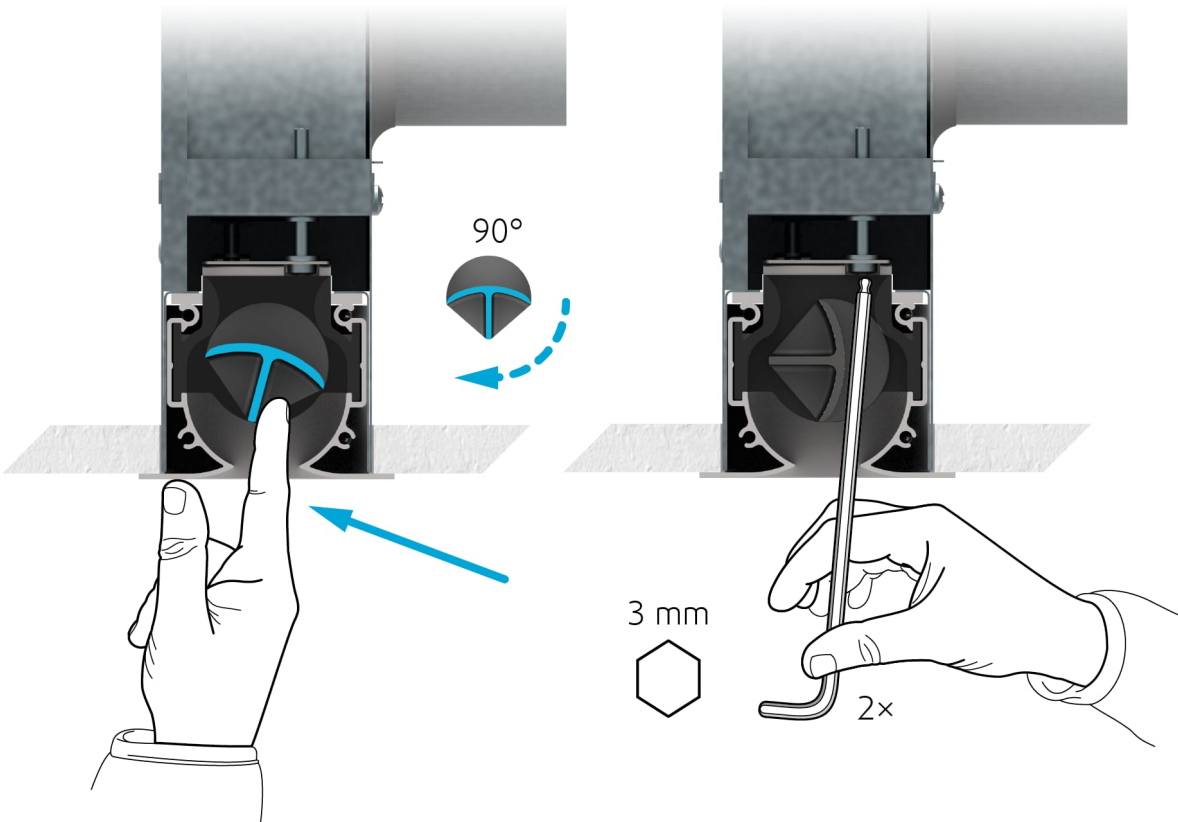
2



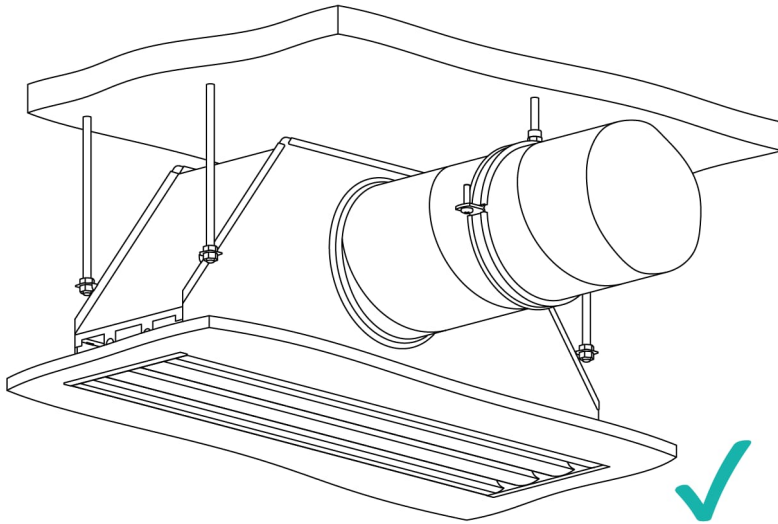
3



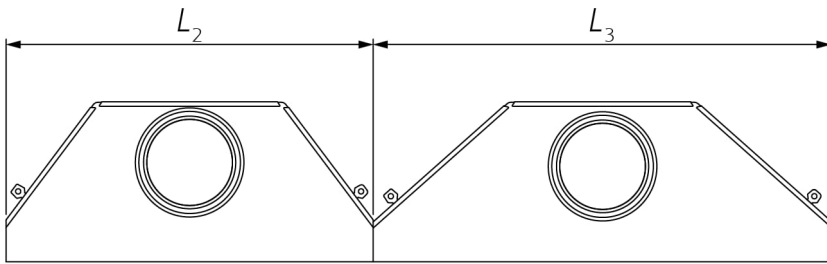
4-5



6



PB-KSV+ PB-KSV + CP-KSV



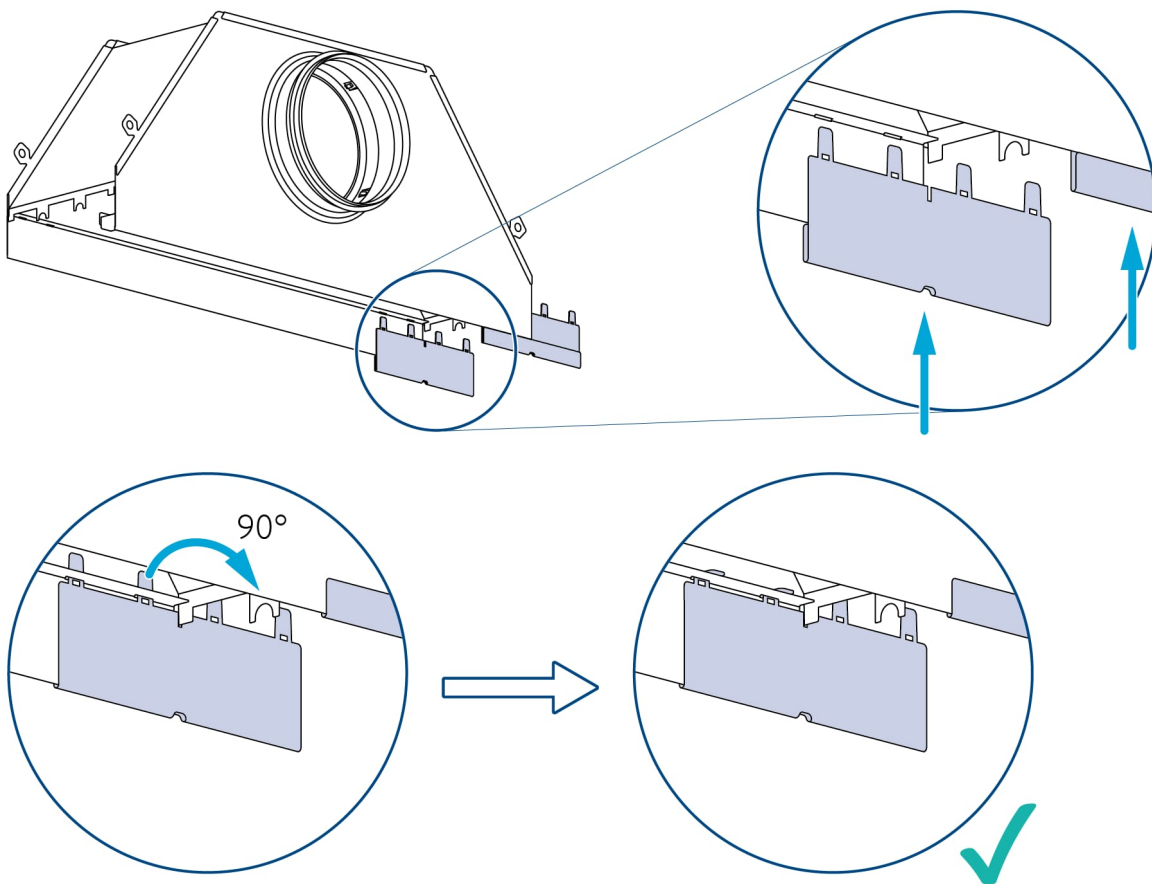
$L_2 \leq L_3$ ✓

$L_2 > L_3$ ✗

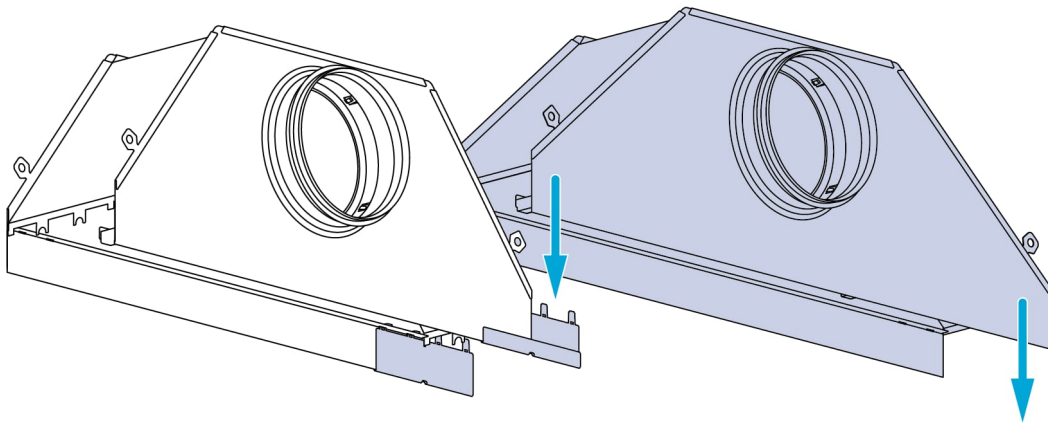
- KSV...1350 + PB-KSV...-600 + PB-KSV...-750
- KSV...1500 + PB-KSV...-750 + PB-KSV...-750
- KSV...1650 + PB-KSV...-750 + PB-KSV...-900
- KSV...1800 + PB-KSV...-900 + PB-KSV...-900
- KSV...1950 + PB-KSV...-900 + PB-KSV...-1050



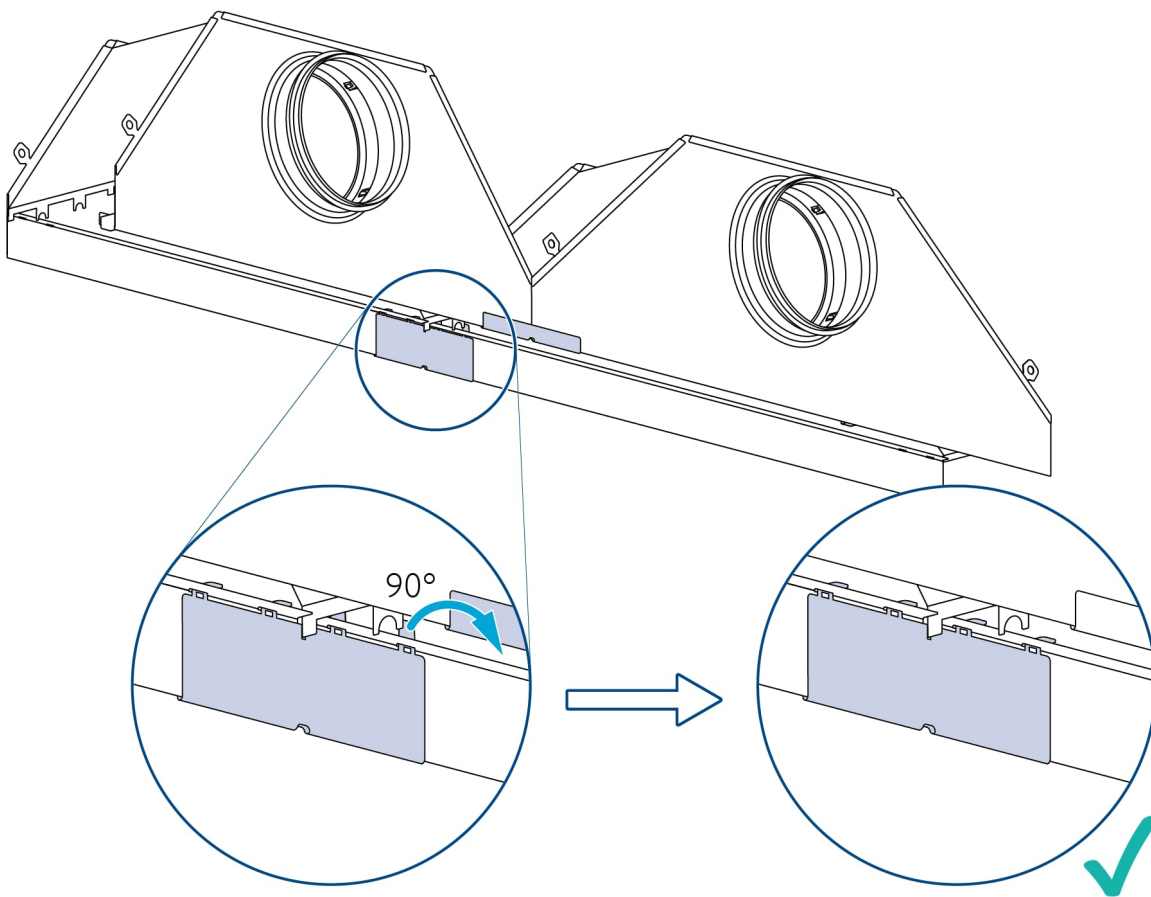
1



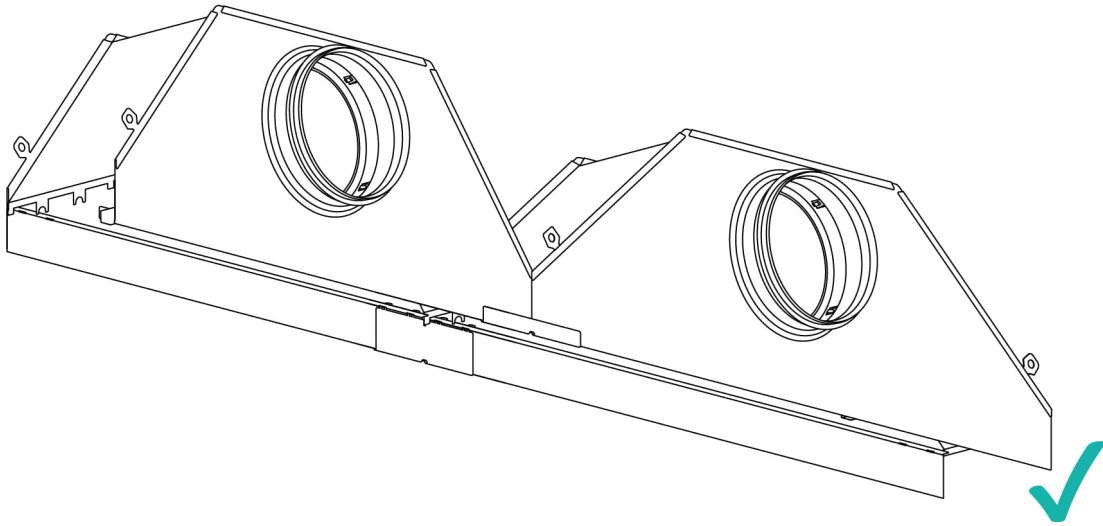
2



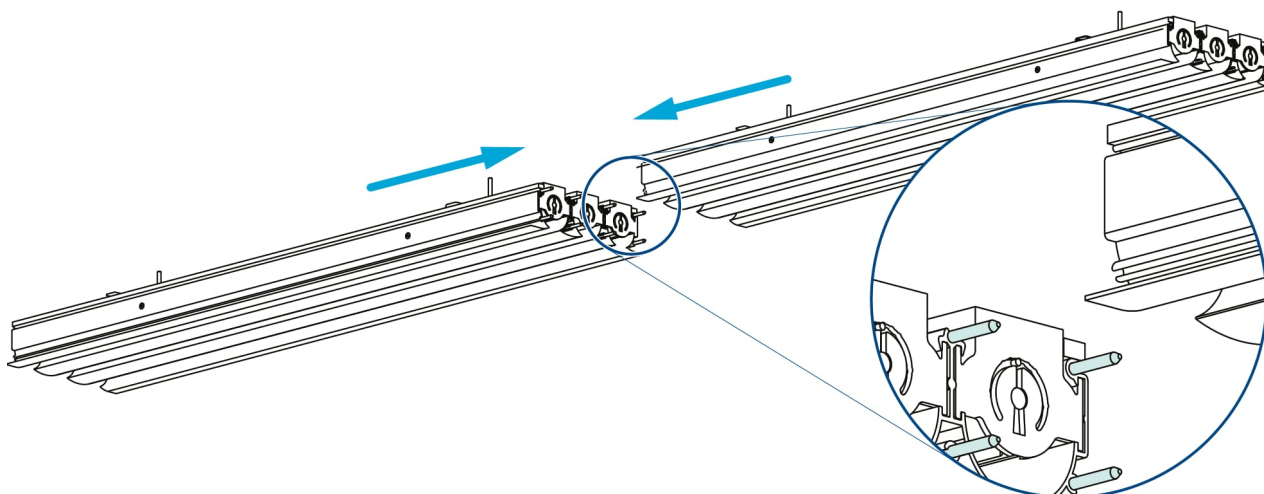
3



4



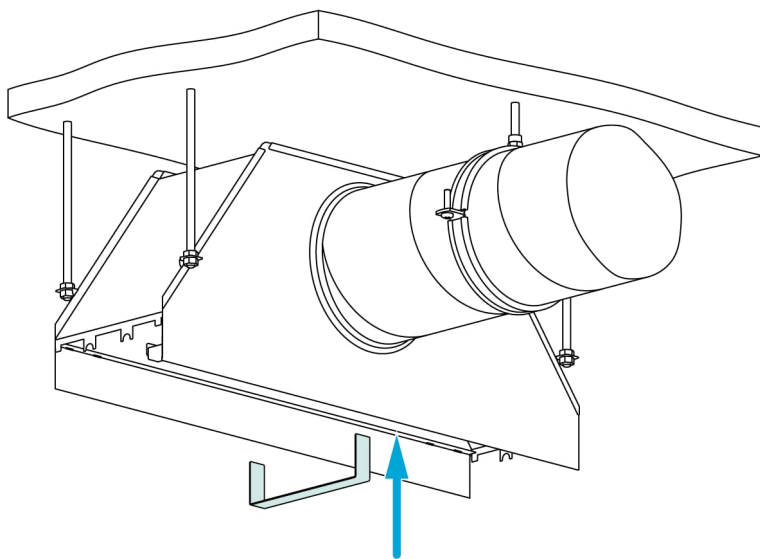
KSV + KSV



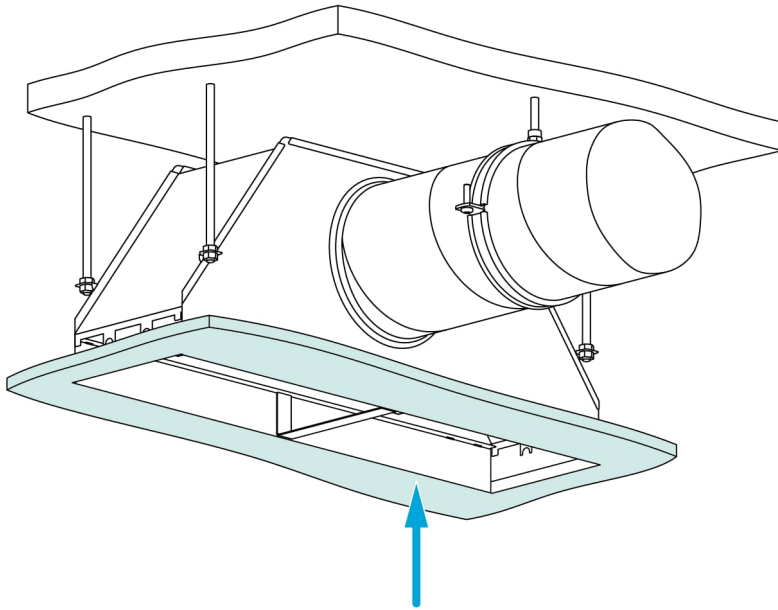
KSV + S-KSV



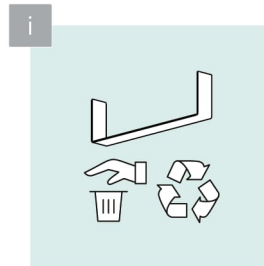
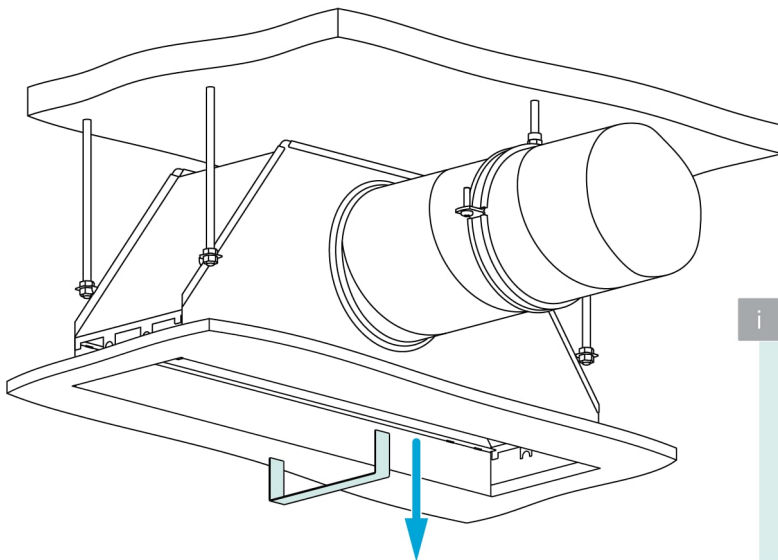
1



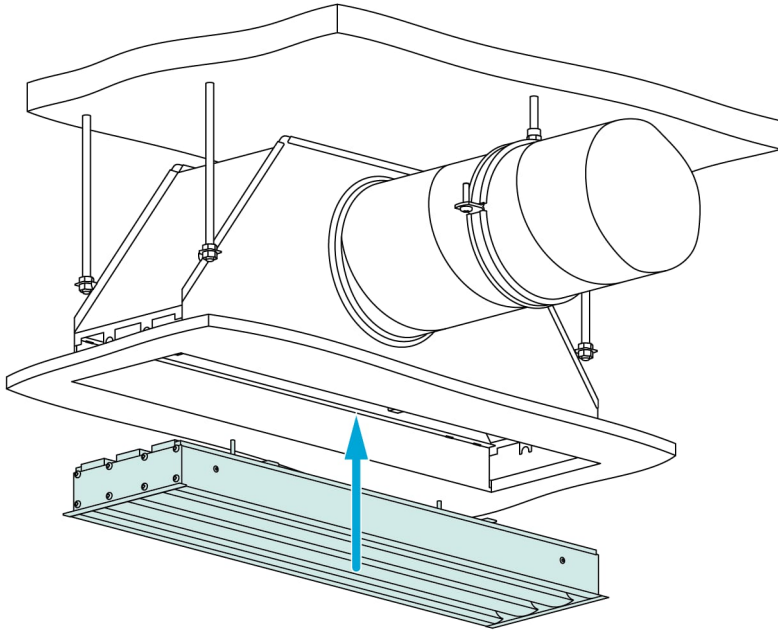
2



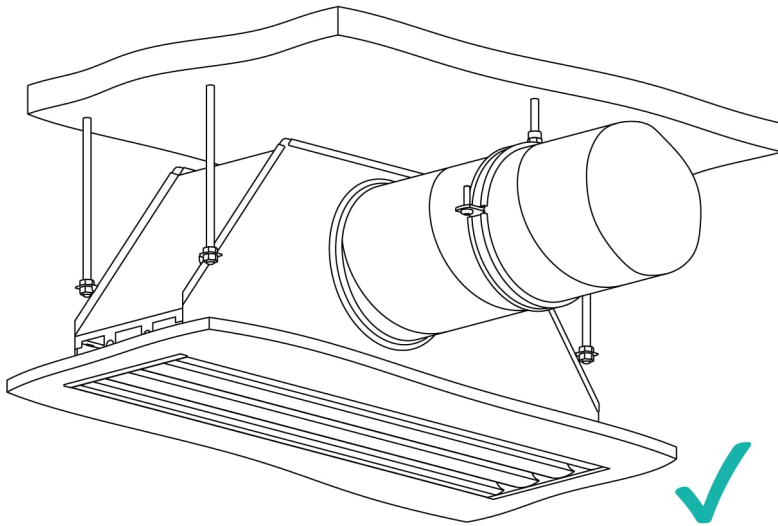
3

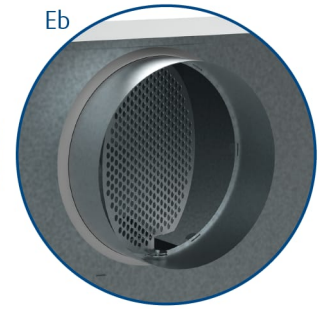
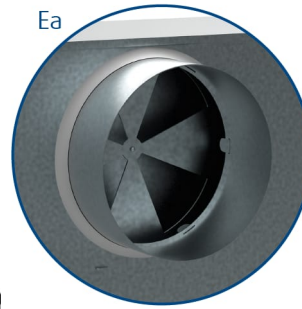
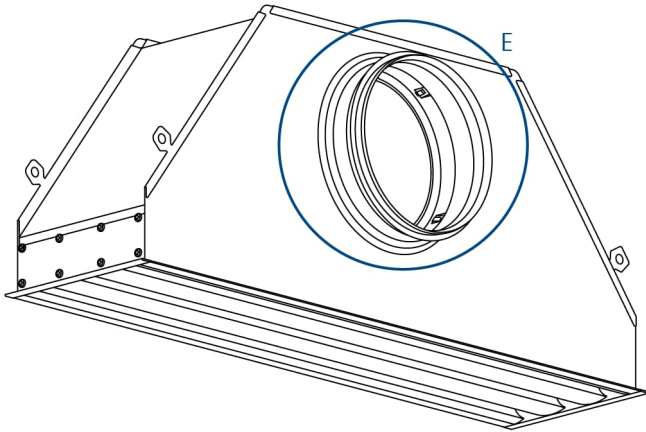


4

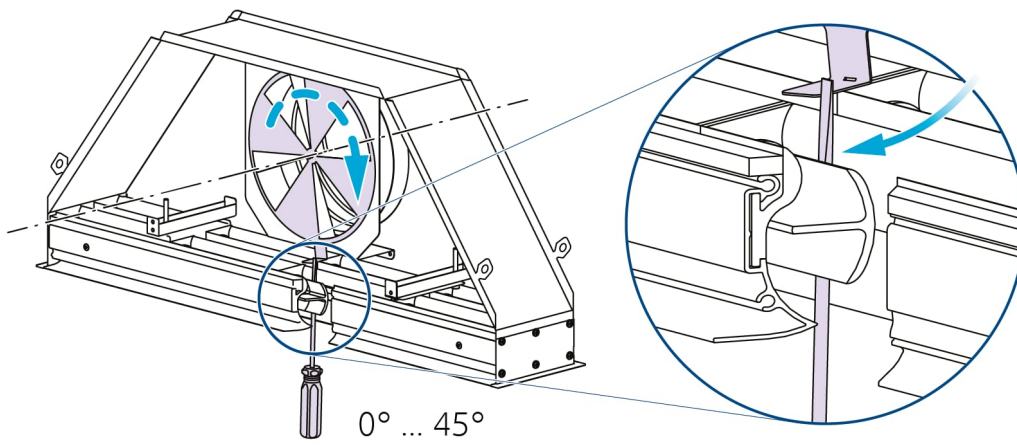


5

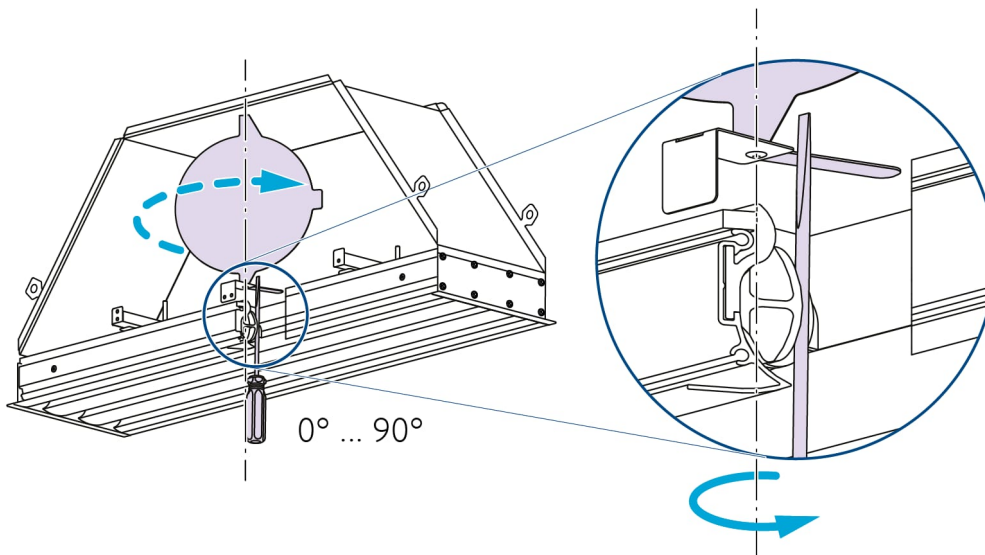




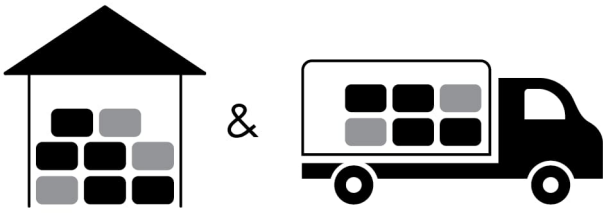
Ea PB-KSV-1, PB-KSV-2





Eb PB-KSV-3, PB-KSV-4




Transport, Storage and Operation




 °C -40 °C ... +50 °C

 % ≤ 95%



 °C -20 °C ... +70 °C

 % ≤ 95%

Supplement

Any deviations from the technical specifications contained herein and the terms should be discussed with the manufacturer. We reserve the right to make any changes to the product without prior notice, provided that these changes do not affect the quality of the product and the required parameters.

Current information on all products is available on design.systemair.com.

