

HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KV
SERIES

TECHNICAL CHARACTERISTICS

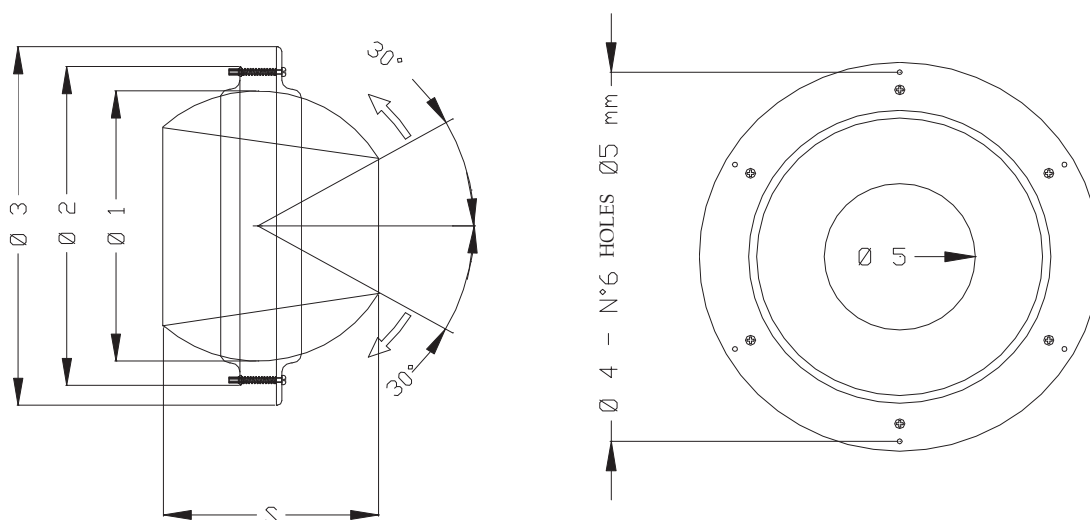
TECHNICAL DATA : High induction long throw diffuser with adjustable directional jet to operate for heights from 2,80 to 30 meters.

FINISH: KV in aluminium - KVR painted white epoxy in powder finish RAL 9010 - plates painted white epoxy in powder finish RAL 9010 .

MATERIALS: KV e KVR manufactured from aluminum sheet - plates manufactured from galvanized sheet steel.

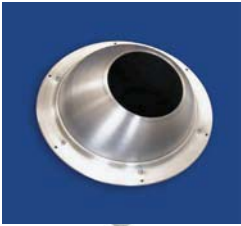
FITTING: With front screws (not supplied) directly to the channel or to the plenum.

KV
Long throw diffuser from Ø 40 to Ø 230



Model	Ø 1 (mm)	Ø 2 (mm)	Ø 3 (mm)	Ø 4 (mm)	Ø 5 (mm)	N° holes	S (mm)	Ak (m ²)
40	80	109	135	119	40	3	56	0,0013
50	102	132	166	148	50	3	78	0,0020
80	160	203	254	220	80	3	131	0,0050
110	200	246	285	266	110	3	144	0,0095
150	300	350	387	368	150	6	233	0,0177
200	400	448	485	472	200	6	308	0,0314
230	400	448	485	472	230	6	308	0,0415
230S*	400	448	485	472	230	6	308	0,0415

*KV 230S: without internal cone

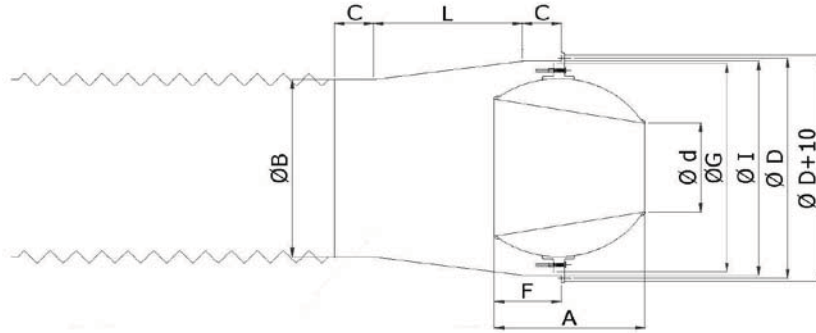


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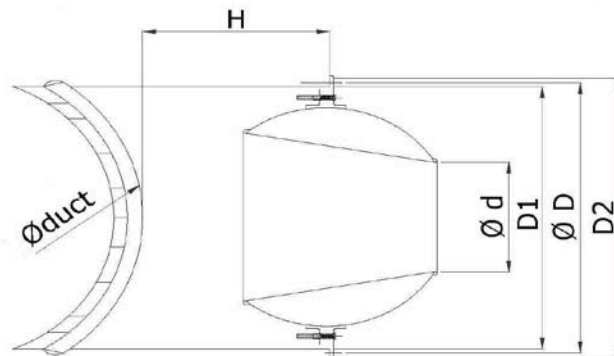
TECHNICAL CHARACTERISTICS

KV-RF
Plenum for flexible duct connection

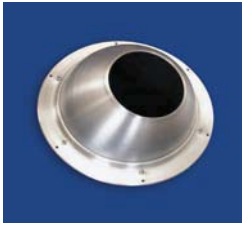


Model	Ø D [mm]	Ø d [mm]	A [mm]	F [mm]	B [mm]	Ø G [mm]	I [mm]	L [mm]	C [mm]
KV-RF040	119	40	56	22	78	109	113	40	40
KV-RF050	148	50	78	30	98	132	138	40	60
KV-RF080	220	80	131	57	158	203	210	100	60
KV-RF110	266	110	144	60	195	246	251	100	60
KV-RF150	368	150	233	103	298	350	358	170	60
KV-RF200	472	200	308	141	398	448	462	170	60
KV-RF230	472	230	308	141	398	448	462	170	60

KV-RC
Plenum for circular duct connection



Model	nr holes	Ø holes [mm]	Ø D [mm]	Ø d [mm]	Ø D1 [mm]	Ø D2 [mm]	H [mm]	Ø duct min-max [mm]
KV-RC040	3	4,2	119	40	109	129	150	160-450
KV-RC050	3	4,2	148	50	138	158	150	200-500
KV-RC080	3	5	220	80	210	230	200	315-630
KV-RC110	3	5	266	110	251	282	300	315-800
KV-RC150	6	5	368	150	358	378	300	500-800
KV-RC200	6	5	472	200	460	480	350	500-1000
KV-RC230	6	5	472	230	460	480	350	500-1000



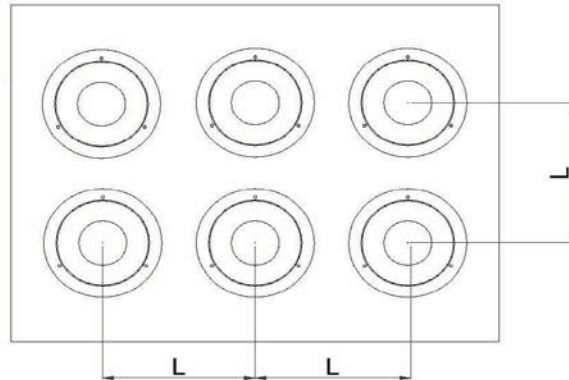
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TECHNICAL CHARACTERISTICS

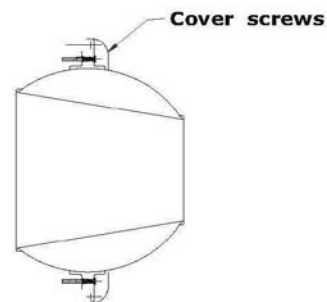
P30...
Diffusers fitted on assembly plate

Model	I min (mm)
KV 40	170
KV 50	210
KV 80	300
KV 110	350
KV 150	430
KV 200	550
KV 230	550



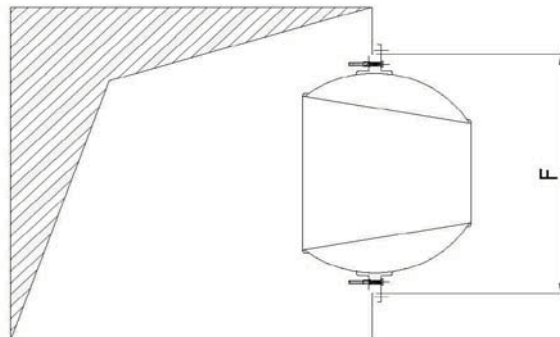
KV-C COVER SCREWS FLANGE

Model	Cover screws flange
KV 40	KV-C40
KV 50	KV-C50
KV 80	KV-C80
KV 110	KV-C110
KV 150	KV-C150
KV 200	KV-C200
KV 230	KV-C230



MOUNTING ON DUCT OR WALL

Model	F (mm)
KV 40	113
KV 50	136
KV 80	207
KV 110	250
KV 150	354
KV 200	452
KV 230	452





HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVCT
SERIES

WITH AUTOMATIC REGULATION
WITH THERMOSTATIC SPRING

OVERVIEW

The KVCT diffuser series come equipped with a thermostatic return spring to regulate the angle of the jet.

THROW REGULATION

To obtain the best heating comfort levels it is necessary to direct the flow of air downwards to eliminate the stratification of the air. Where as in cooling conditions is best to aim the flow of air towards the ceiling to eliminate the forming or air currents in the occupied zone.

The KVCT diffusers automatically regulate the angle of the jet to obtain the optimal throw angle.

The temperature of the injected air is in fact determines the extension or retraction of the thermostatic spring which itself determines the rotation of the jet downwards or upwards.

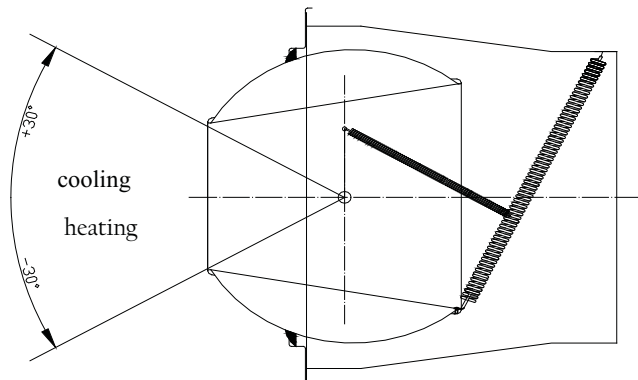
By choosing the KVCT diffuser it is possible to eliminate:

- electric thermostats;
- electrical wiring system;
- servomotors.

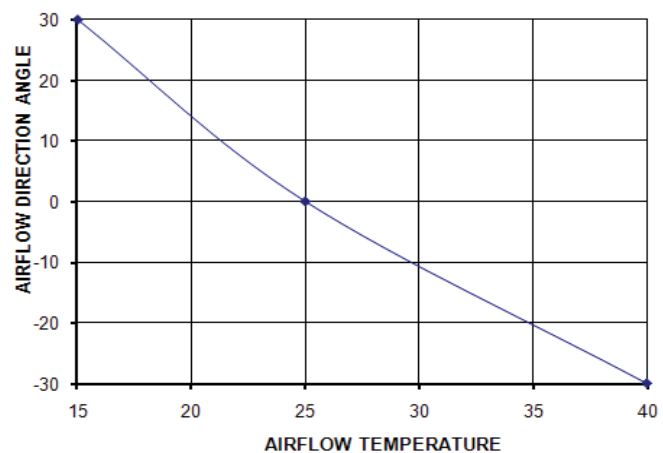
The maximum range is $\pm 30^\circ$. This can be limited to smaller angles, with a 5° pitch even with a different regulation for heating and cooling, by inserting and regulating stop screws on a predisposed metal plate. The memory of the form of the spring guarantees the precise relation between the injected air and the inclination angle for an also unlimited number of cycles.

AERAUIC TEST

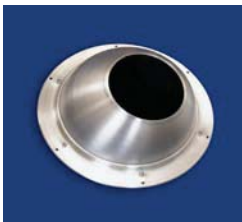
The aeraulic performance of the KVCT diffusers are, in relation to the diameter, is the exact same as for those of the equivalent KV series diffuser.



AVERAGE DIRECTIONAL AIRFLOW ANGLE IN
RELATION TO THE TEMPERATURE OF THE AIRFLOW



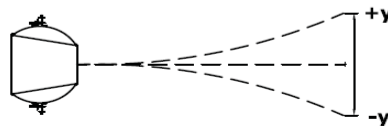
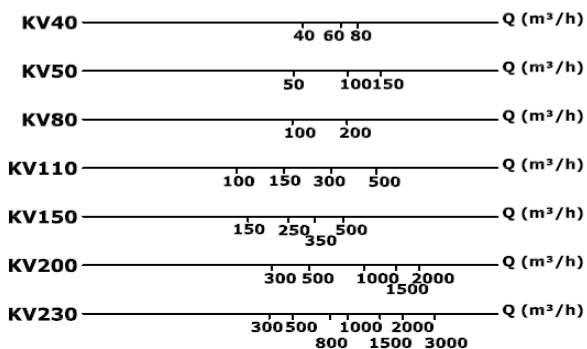
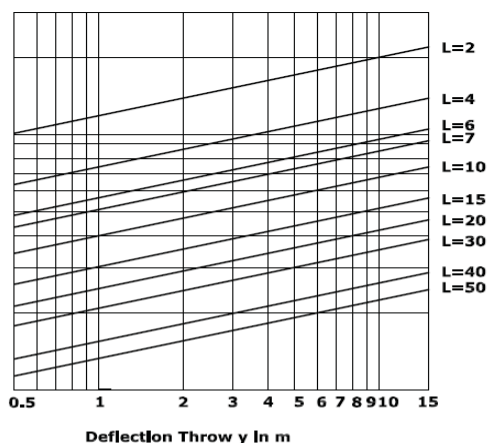
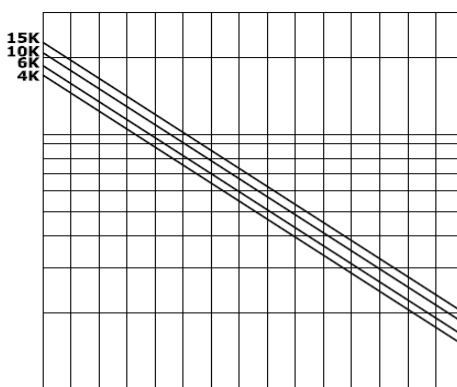
CODES	
KVCT150	Jet diameter 150mm with flange and counter flange thermostatic spring
KVCT200	Jet diameter 200mm with flange and counter flange thermostatic spring
KVCT230S	Jet diameter 230mm without internal cone with flange and counter flange thermostatic spring
KV-C150	Screw cover for jet diameter 150mm
KV-C200	Screw cover for jet diameter 200mm
KV-C230	Screw cover for jet diameter 230mm



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PERFORMANCES



ΔK temperature difference between injected air and ambient temperature

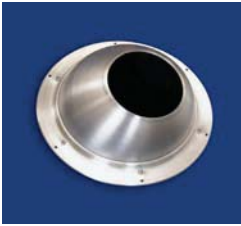
The diagram allows to obtain the width of the opening of the throw at the preferred distance from the diffuser.

On the line relative to the size of the diffuser, trace a vertical line from the required air flow rate.

At the intersection between this line and the line at an angle relative to the temperature difference chosen, trace a second horizontal line.

At the intersection between this line and the that at an angle relative to the distance that is of interest, trace a third vertical line.

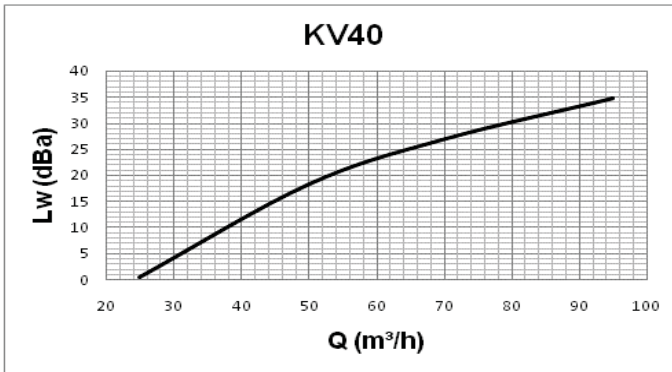
On the diagram scale of the right hand side, it is therefore possible to read the opening of the throw in the required conditions.



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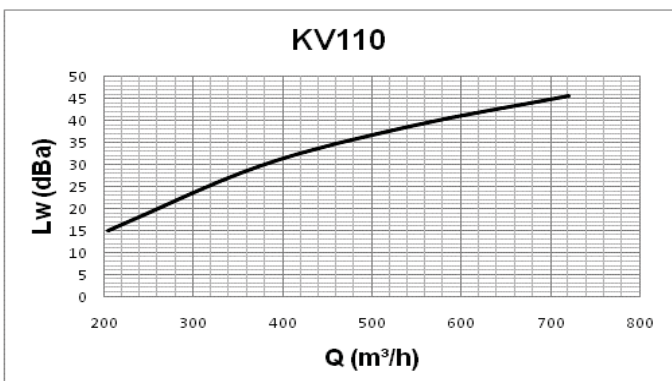
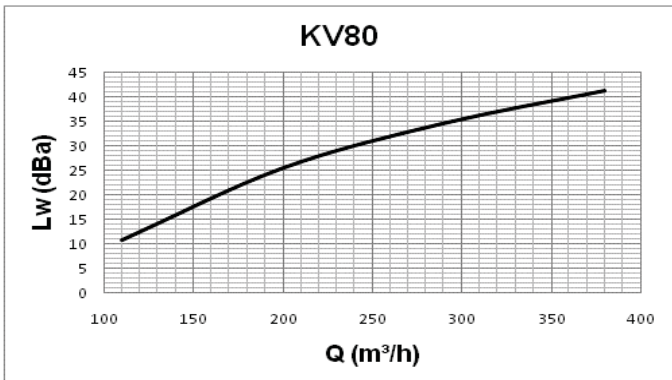
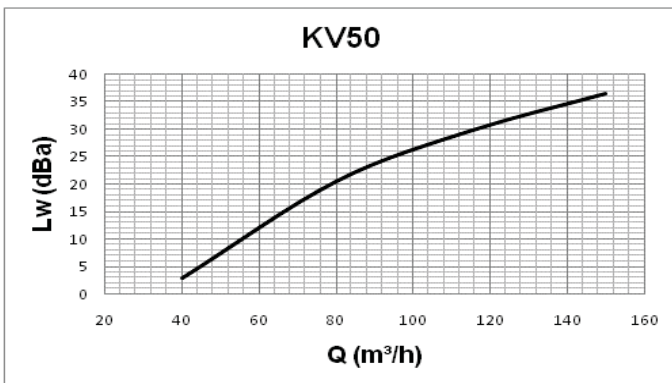
SOUND POWER

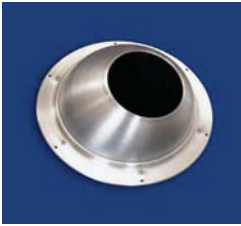


Data measured in reverberation chamber in accordance with international standards:
ISO 3741 1999: *Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms*

ISO 5135 1997: *Acoustic - determination of sound power levels of noise from air-terminal devices; air terminal units; dampers and valves by measurement in a reverberation room.*

The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room fittings.

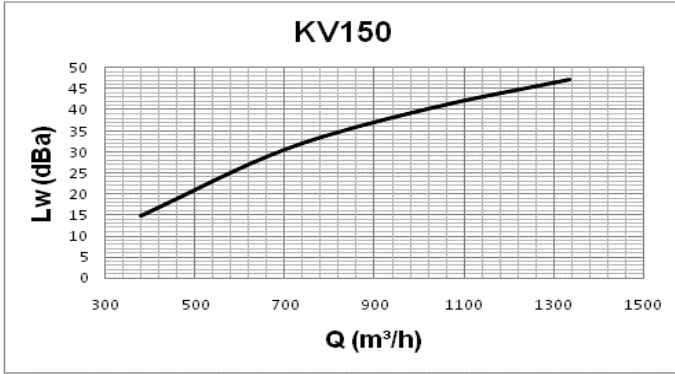




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KV SERIES

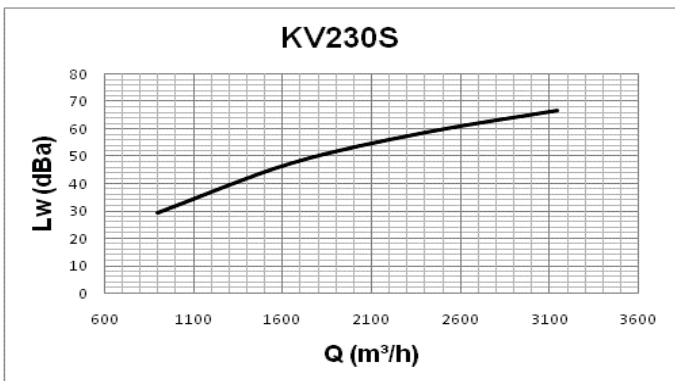
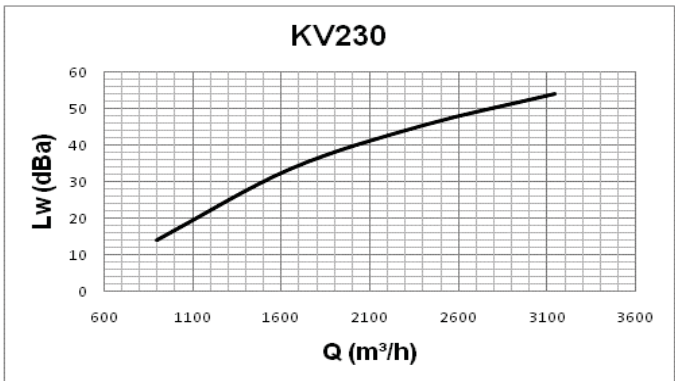
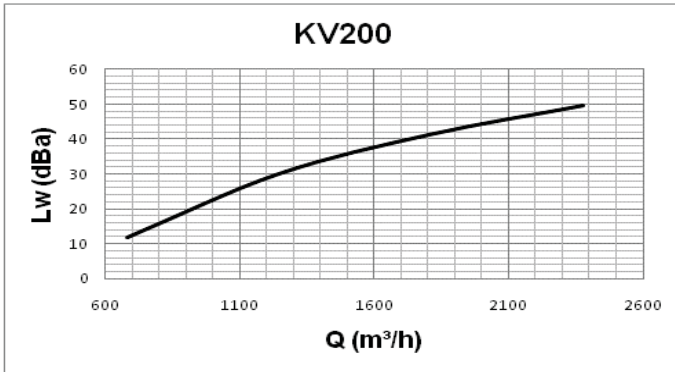
SOUND POWER

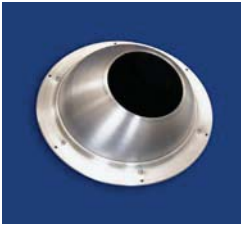


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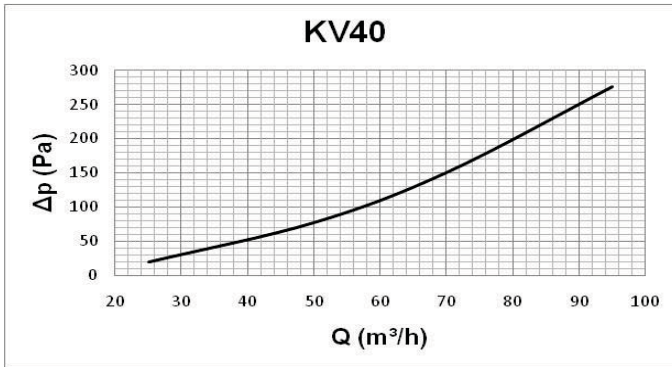




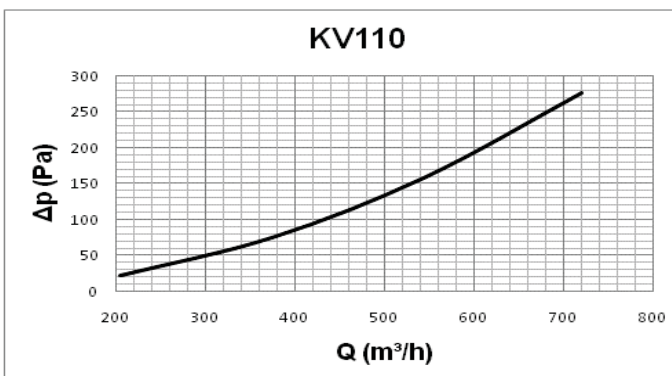
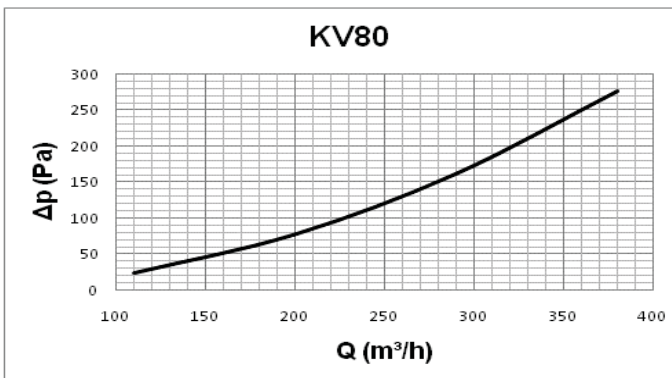
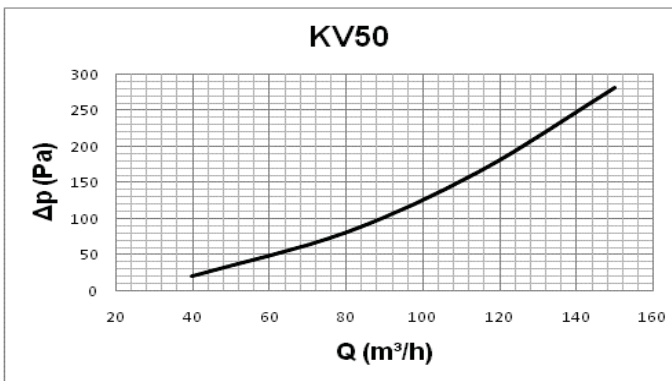
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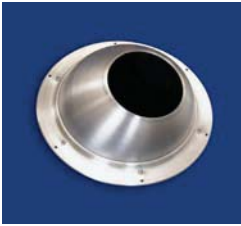
KV
SERIES

PRESSURE DROP



Data obtained from mathematical modelling in CFD test chamber operating in virtual agreement with the International Standard: ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

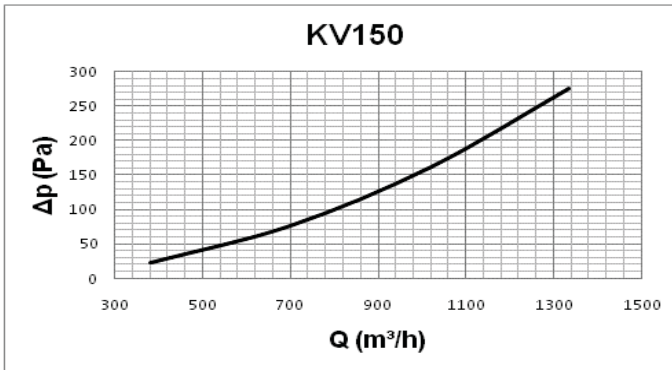




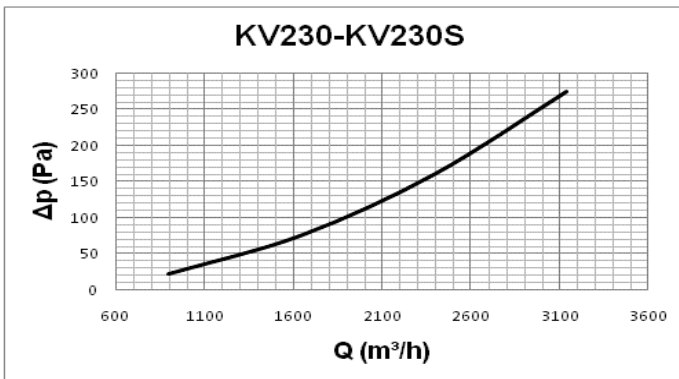
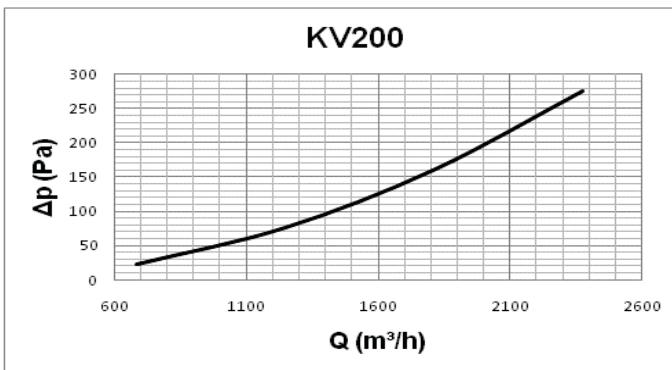
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PRESSURE DROP

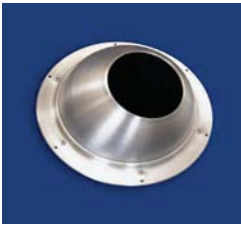


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fluid dynamic analis carried out at

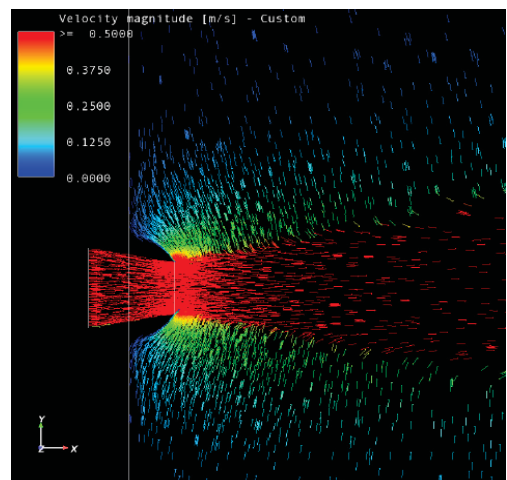
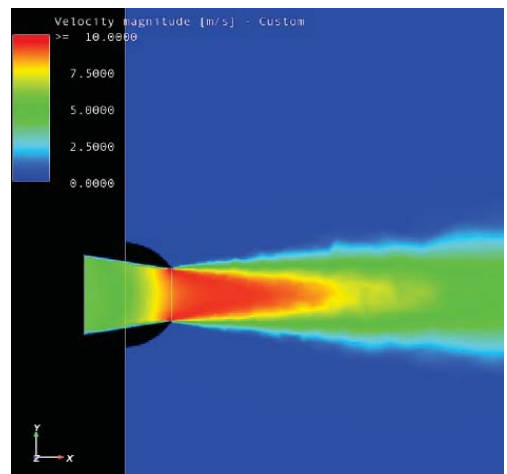
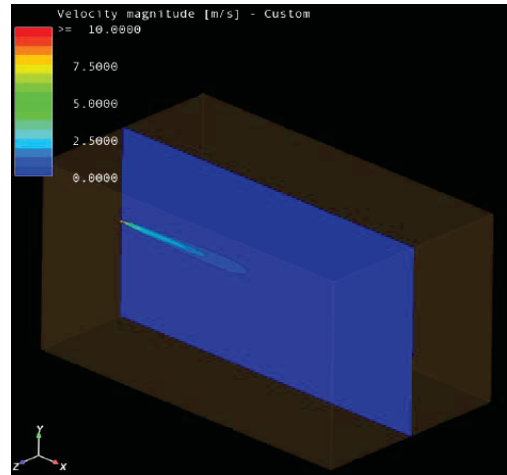
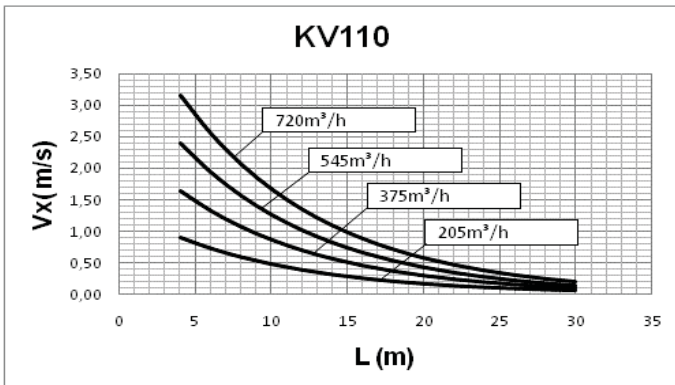
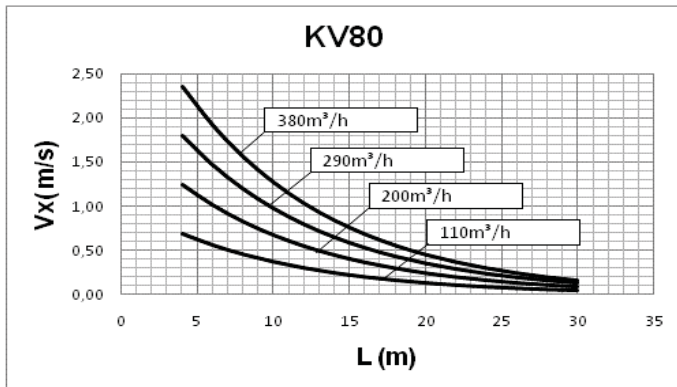
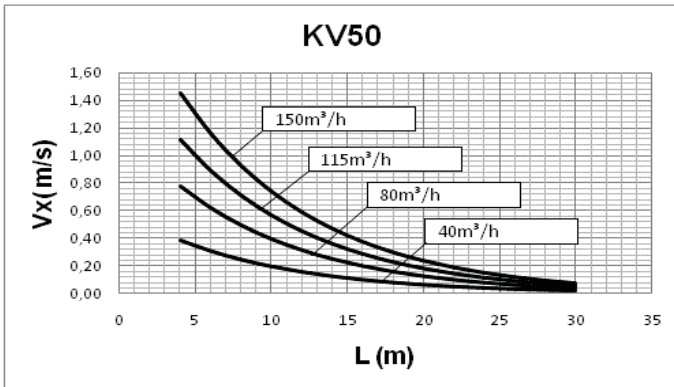
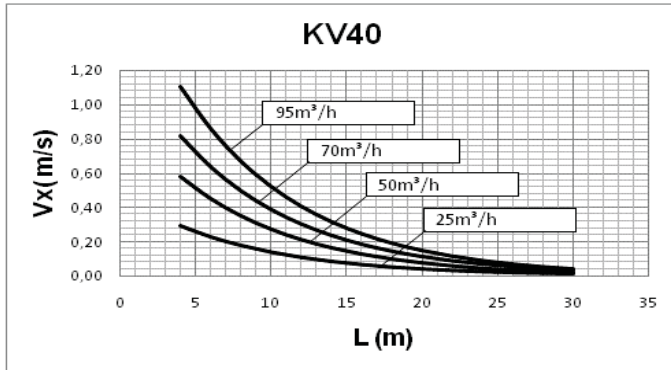


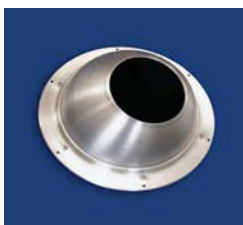


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AERAULIC DATA

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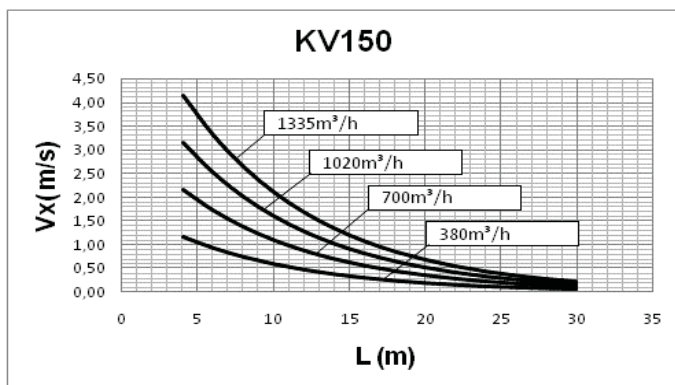




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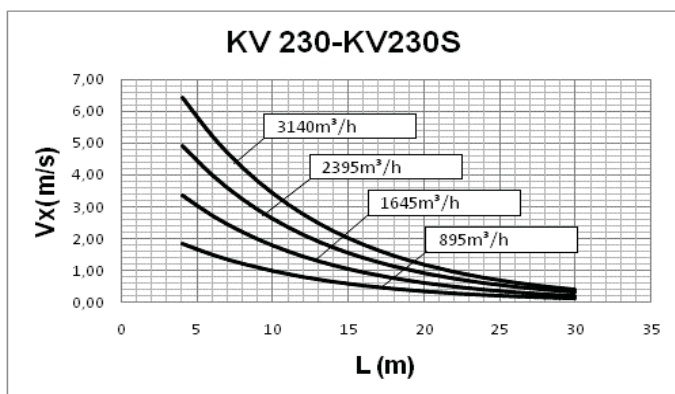
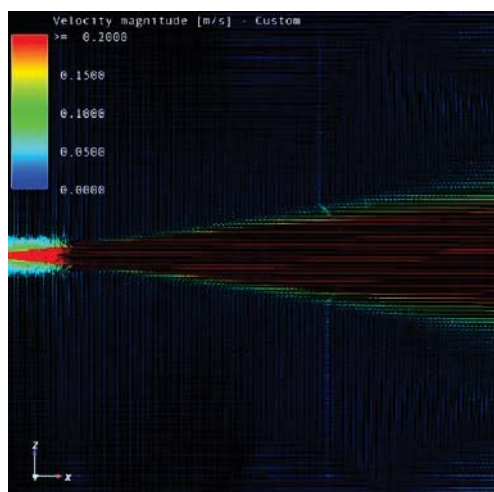
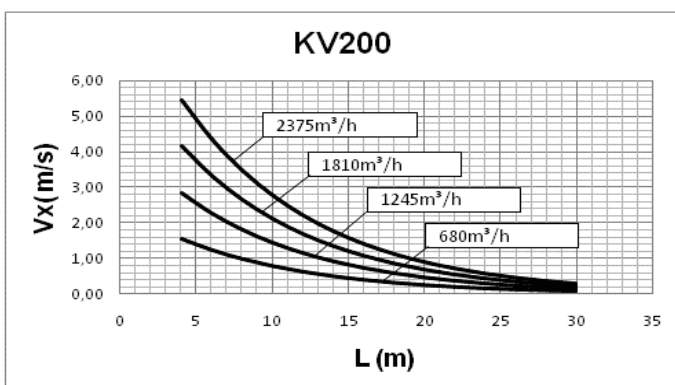
AERAUIC DATA

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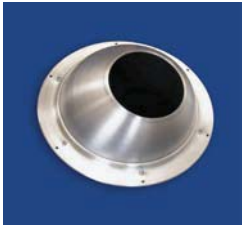
Data obtained from mathematical modelling in CFD test chamber operating in virtual agreement with the International Standard: ISO 5219 1984: Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.

L (m) horizontal distance from the centre of the diffuser
Vx (m/s) maximum speed inside the air stream



fluid dynamic analis carried out at

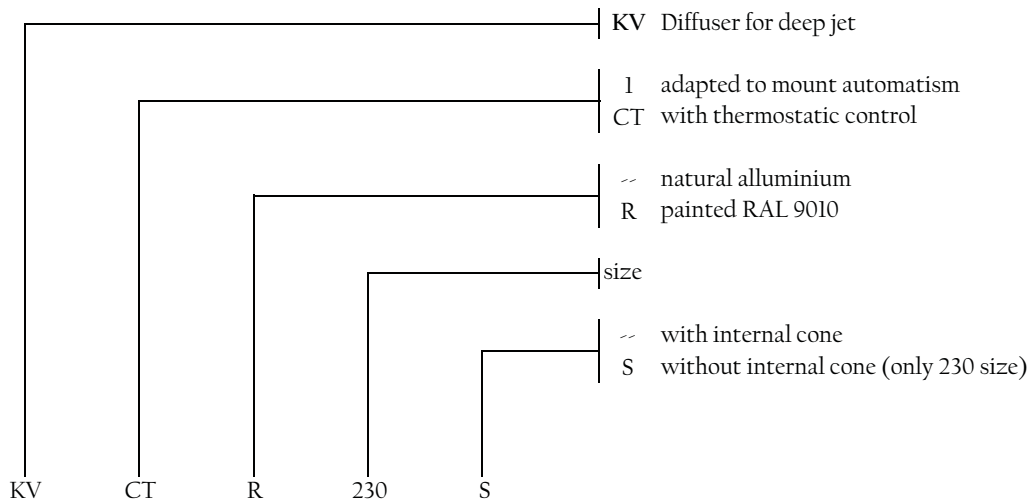




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KV
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CODES AND ACCESSORIES



ACCESSORIES				
Model	Cover screws flange		Connector	
	Anodized	RAL 9010	Circular duct	Flexible duct
KV40	KV-C40	KVR-C40	KV-RC40*	KV-RF40
KV50	KV-C50	KVR-C50	KV-RC50*	KV-RF50
KV80	KV-C80	KVR-C80	KV-RC80*	KV-RF80
KV110	KV-C110	KVR-C110	KV-RC110*	KV-RF110
KV150	KV-C150	KVR-C150	KV-RC150*	KV-RF150
KV200	KV-C200	KVR-C200	KV-RC200*	KV-RF200
KV230	KV-C230	KVR-C230	KV-RC230*	KV-RF230

* when ordering, it is important to specify the duct diameter required



HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL
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OVERVIEW

OVERVIEW

Manually adjustable diffuser in any direction with a angle limited to 30° with a long throw.
Ideal for installations within large areas such as train stations, airports and hypermarkets.
Suggested installation height is of above 3 metres

INSTALLATION

Fixing by screws on the front side of the diffusers directly to the wall or to a rectangular duct.
Fixing by connector to a circular or flexible duct.

MATERIAL

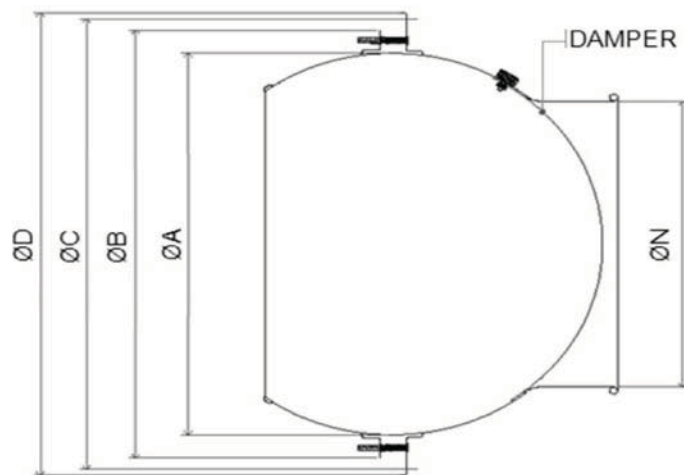
Aluminium

FINISH

Anodized or painted RAL9010
Other finishes on request.

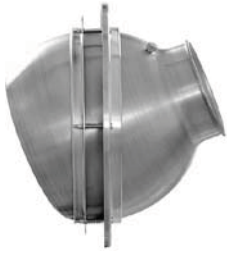
ACCESSORIES

Screw cover
Connector for connection to circular duct
Connector for connection to flexible duct



DIMENSIONS					
Model	ØN	ØA	ØB	ØC	ØE
KV080L	80	160	203	220	254
KV110L	110	200	246	266	285
KV150L	150	300	350	368	387
KV200L	200	400	448	472	485
KV230L	230	400	448	472	485
KV250L	250	400	448	472	485
KV300L	300	400	448	472	485

AIR PASSAGE SECTIONS	
Model	Ak (m ²)
KV080L	0,0054
KV110L	0,0101
KV150L	0,0180
KV200L	0,0310
KV230L	0,0401
KV250L	0,0490
KV300L	0,0710



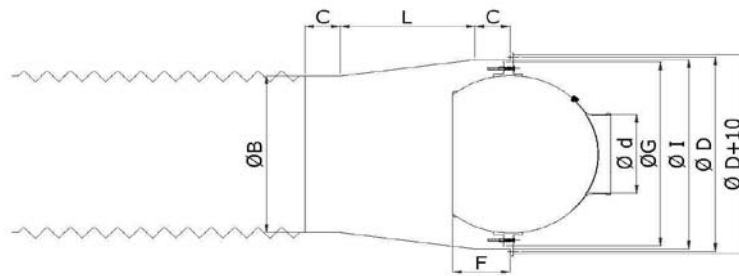
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TECHNICAL CHARACTERISTICS

KV-RF

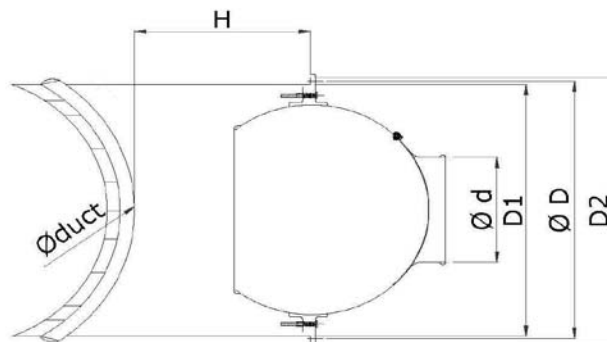
Plenum for flexible duct connection



Model	Ø D [mm]	Ø d [mm]	A [mm]	F [mm]	B [mm]	Ø G [mm]	I [mm]	L [mm]	C [mm]
KV-RF080	220	80	131	57	158	203	210	100	60
KV-RF110	266	110	144	60	195	246	251	100	60
KV-RF150	368	150	233	103	298	350	358	170	60
KV-RF200	472	200	308	141	398	448	462	170	60
KV-RF230	472	230	308	141	398	448	462	170	60
KV-RF230	472	250	308	141	398	448	462	170	60
KV-RF230	472	300	308	141	398	448	462	170	60

KV-RC

Plenum for circular duct connection



Model	nr fori	Ø fori [mm]	Ø D [mm]	Ø d [mm]	Ø D1 [mm]	Ø D2 [mm]	H [mm]	Ø duct min-max [mm]
KV-RC080	3	5	220	80	210	230	200	315-630
KV-RC110	3	5	266	110	251	282	300	315-800
KV-RC150	6	5	368	150	358	378	300	500-800
KV-RC200	6	5	472	200	460	480	350	500-1000
KV-RC230	6	5	472	230	460	480	350	500-1000
KV-RC230	6	5	472	250	460	480	350	500-1000
KV-RC230	6	5	472	300	460	480	350	500-1000



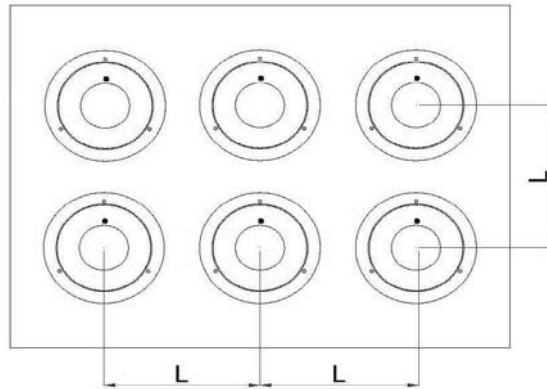
HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL
SERIES

TECHNICAL CHARACTERISTICS

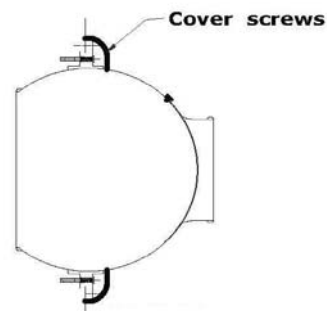
P30...
Diffusers fitted on assembly plate

Model	I min (mm)
KV 80 L	300
KV 110 L	350
KV 150 L	430
KV 200 L	430
KV 230 L	550
KV 250 L	550
KV 300 L	550



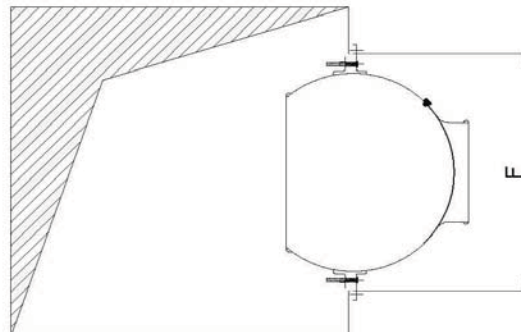
KV-C COVER SCREWS FLANGE

Model	Cover screws flange
KV 80 L	KV-C80
KV 110 L	KV-C110
KV 150 L	KV-C150
KV 200 L	KV-C200
KV 230 L	KV-C230
KV 250 L	KV-C230
KV 300 L	KV-C230



MOUNTING ON DUCT OR WALL

Model	F (mm)
KV 80 L	207
KV 110 L	250
KV 150 L	354
KV 200 L	452
KV 230 L	452
KV 250 L	452
KV 300 L	452

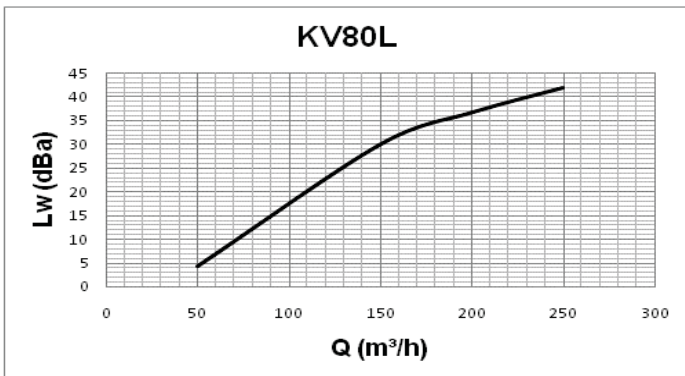




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL SERIES

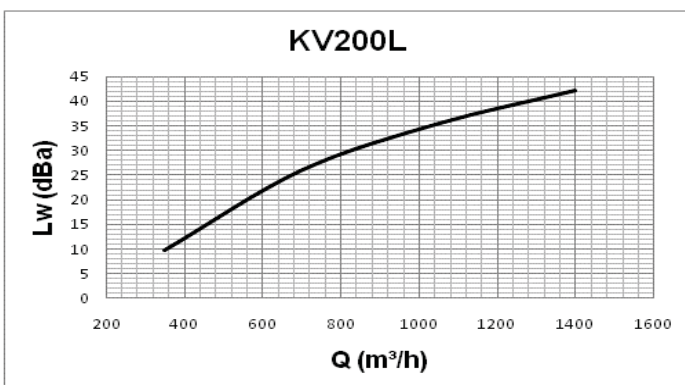
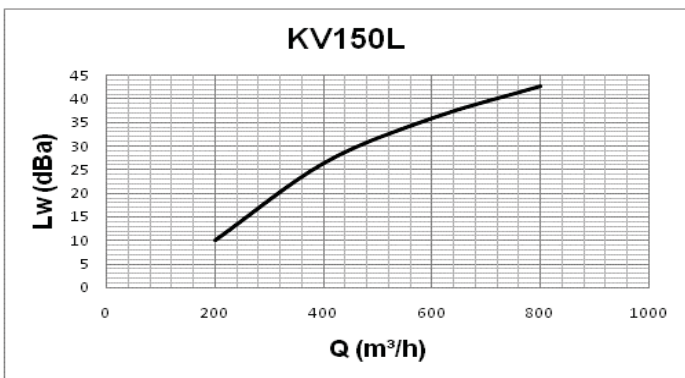
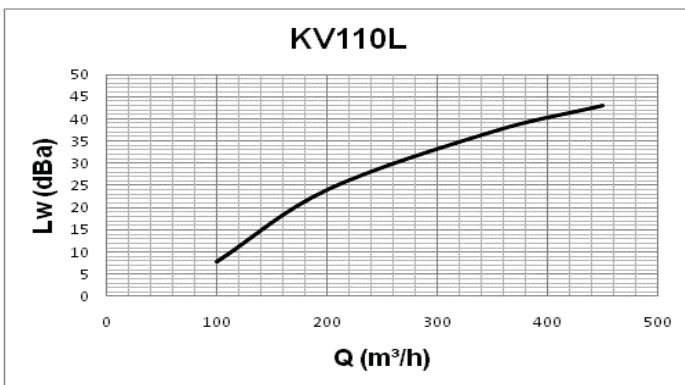
SOUND POWER



Values measured in reverberating room in accordance to international standards:
ISO 3741 1999: *Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms*

ISO 5135 1997: *Acoustic - determination of sound power levels of noise from air-terminal devices; air terminal units; dampers and valves by measurement in a reverberation room.*

The data shown does not consider the attenuation resulting from installation room. This attenuation is normally included between 6 and 10dBa and is determined from the dimensions and shape of the room and characteristics of the furniture and objects within it.

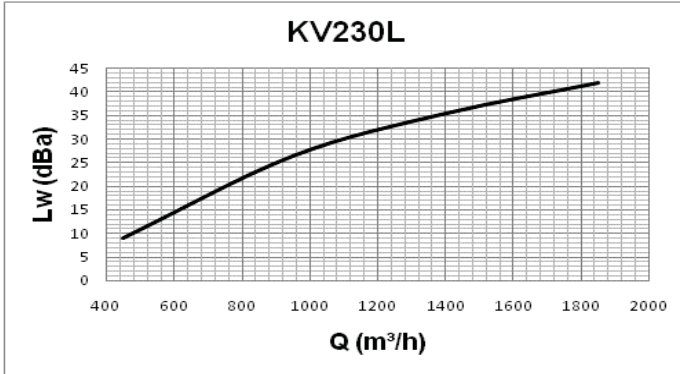




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL SERIES

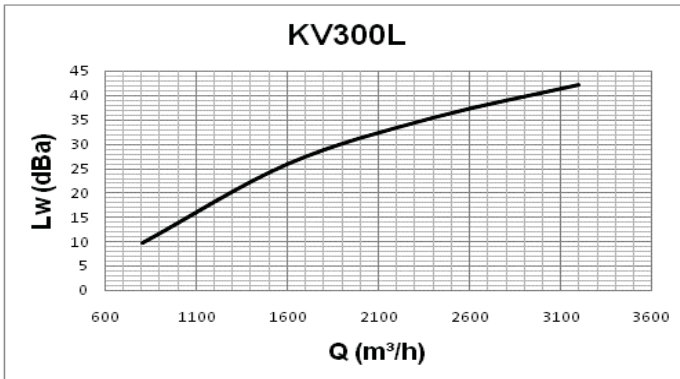
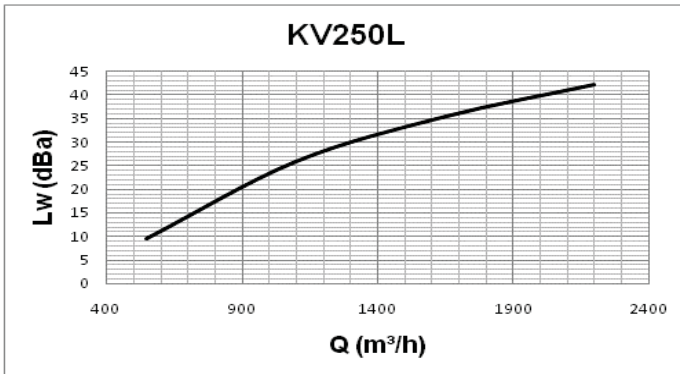
SOUND POWER



Values measured in reverberating room in accordance to international standards:
ISO 3741 1999: *Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms*

ISO 5135 1997: *Acoustic - determination of sound power levels of noise from air-terminal devices ; air terminal units; dampers and valves by measurement in a reverberation room.*

The data shown does not consider the attenuation resulting from installation room. This attenuation is normally included between 6 and 10dBa and is determined from the dimensions and shape of the room and characteristics of the furniture and objects within it.



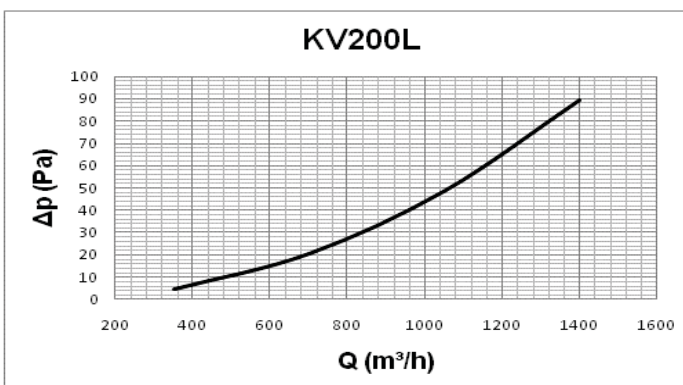
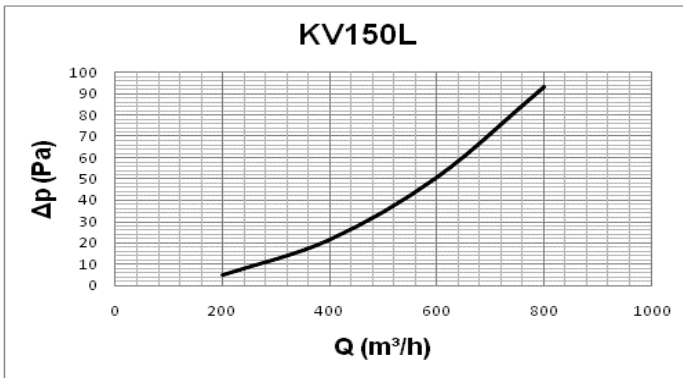
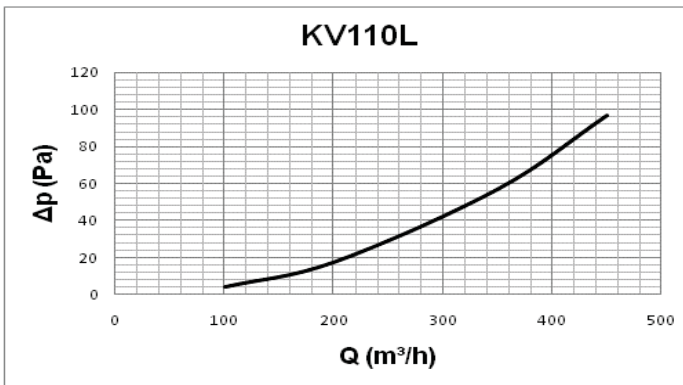
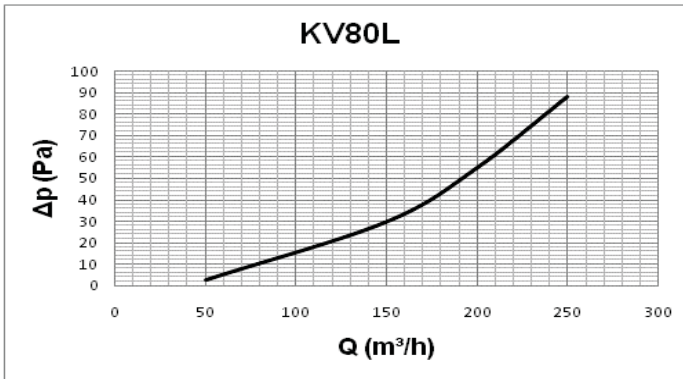


HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL
SERIES

PRESSURE DROP

Values measured in isothermic conditions according to the following international standard: ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

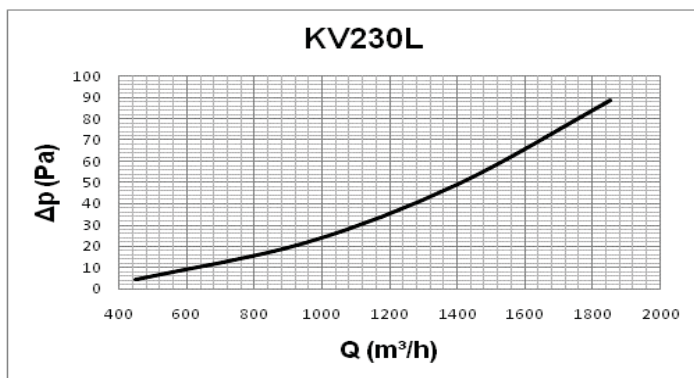




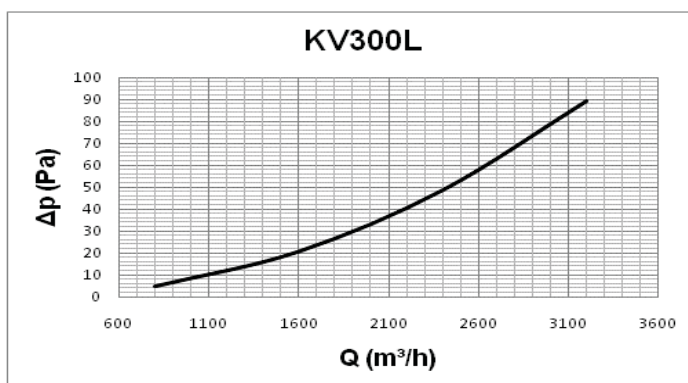
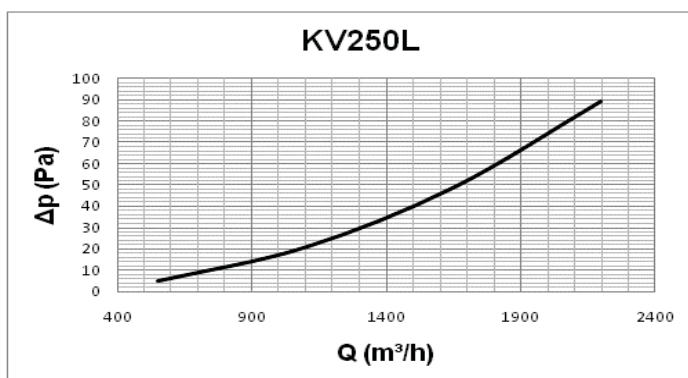
HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

PRESSURE DROP

KVL
SERIES



Values measured in isothermic conditions according to the following international standard: ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

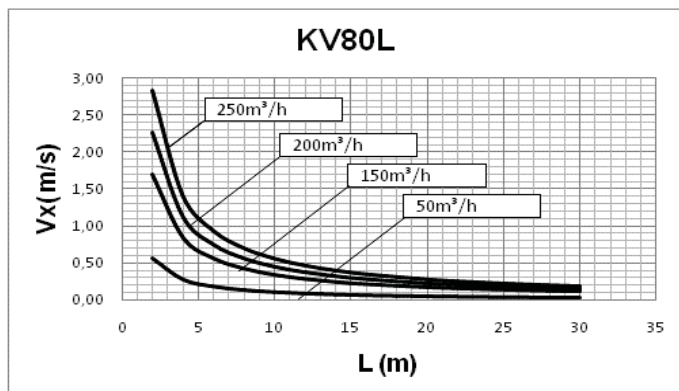




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

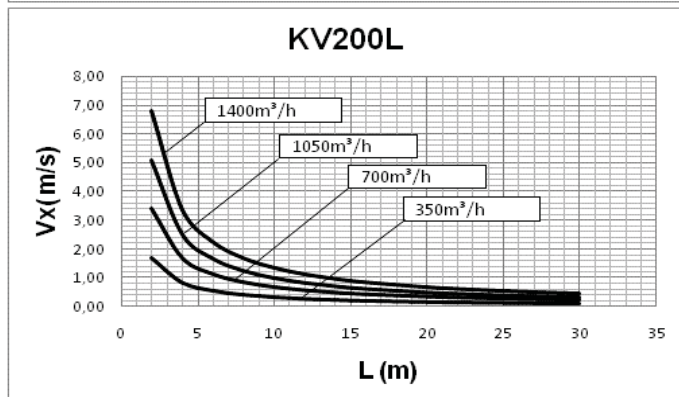
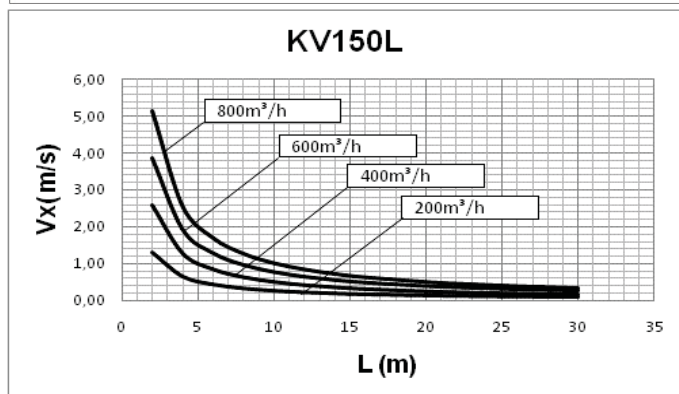
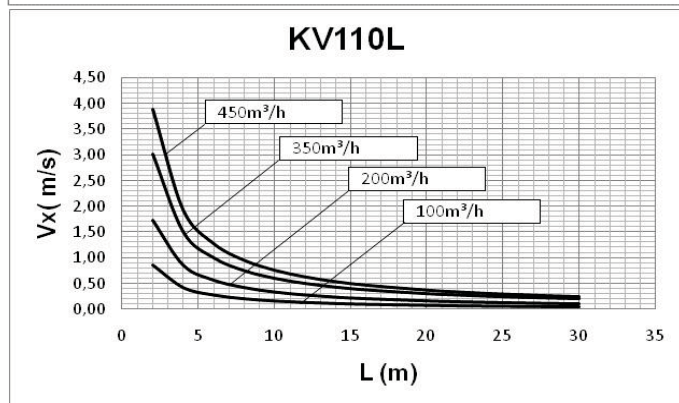
KVL SERIES

AERAULIC DATA



Values measured in isothermic conditions with diffuser placed horizontally in accordance with the following international standard:
 ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

L (m) horizontal distance in meters from the centre of the diffuser
 Vx (m/s) maximum speed of the air in the air stream

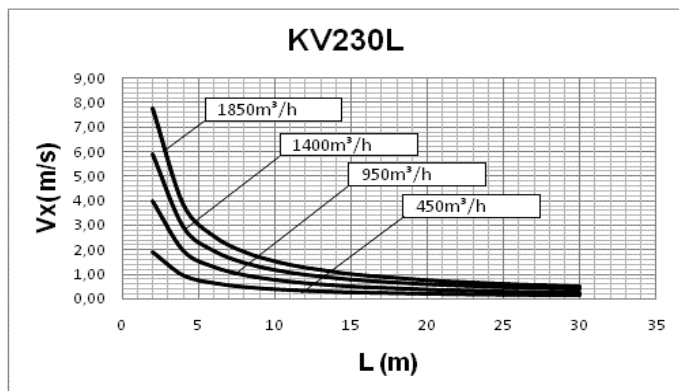




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

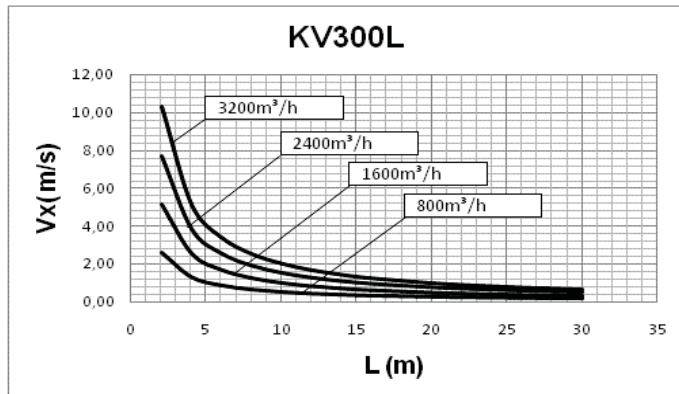
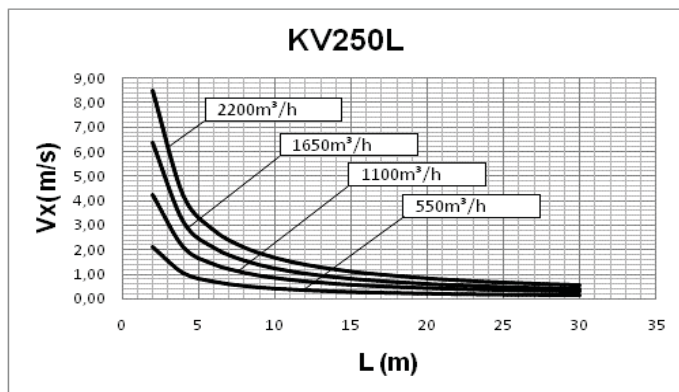
KVL
SERIES

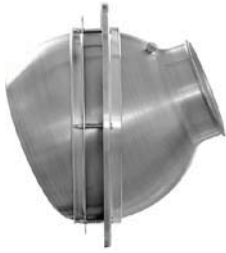
AERAUIC DATA



Values measured in isothermic conditions with diffuser placed horizontally in accordance with the following international standard:
ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

L (m) horizontal distance in meters from the centre of the diffuser
Vl (m/s) maximum speed of the air in the air stream

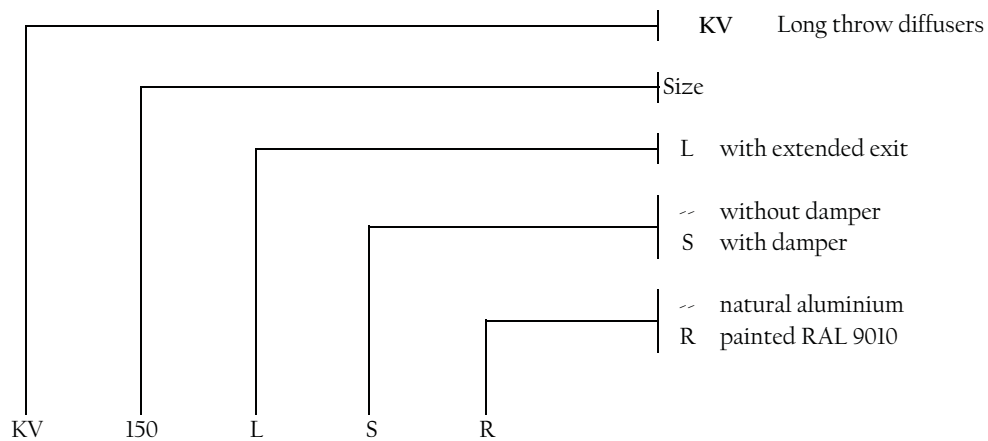




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVL
SERIES

how to order



ACCESSORIES				
Model	Screw cover		Connector	
	Anodized	RAL 9010	Circular duct	Flexible duct
KV080L	KV-C80	KVR-C80	KV-RC80*	KV-RF80
KV150L	KV-C150	KVR-C150	KV-RC150*	KV-RF150
KV200L	KV-C200	KVR-C200	KV-RC200*	KV-RF200
KV230L	KV-C230	KVR-C230	KV-RC230*	KV-RF230
KV250L	KV-C230	KVR-C230	KV-RC230*	KV-RF230
KV300L	KV-C230	KVR-C230	KV-RC230*	KV-RF230

* when ordering, it is important to specify the duct diameter required



HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVA
SERIES

GENERAL OVERVIEW

OVERVIEW:

Adjustable direction air diffusers with patented system for rapid assembly on round or rectangular air ducts.

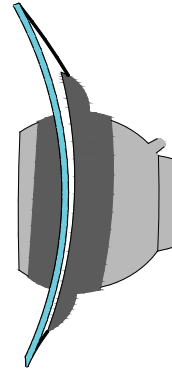
The airflow can be directed with an angle of approx. 45° with respect to the axis and a rotation of 360°.

The airflow can be regulated by a special damper inside the diffuser, directed outwards.

MATERIAL AND FINISH:

Nozzle in ABS RAL 7005.

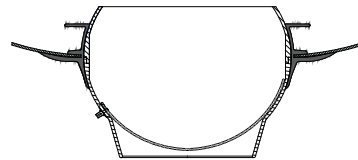
Coupling in EPDM RAL 7005.



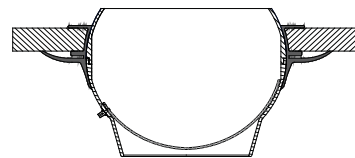
INSTALLATION:

Insert the connector in the opening (Ø113 per KVA 50 and Ø168 per KVA 100) already made in the duct and secondly insert the diffuser in the nozzle.

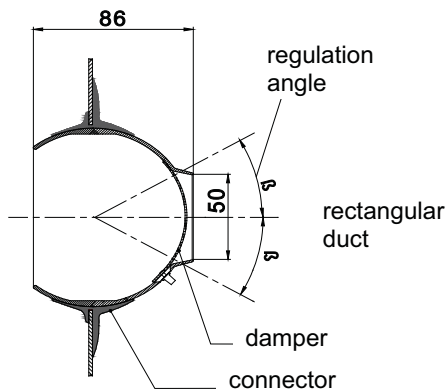
INSTALLATION ON CIRCULAR DUCT



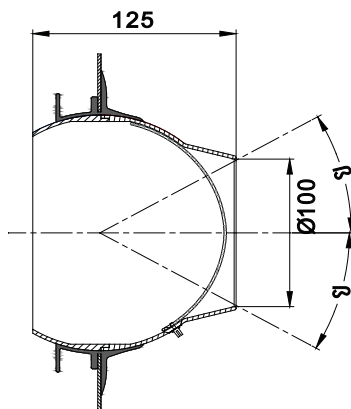
INSTALLATION ON POLYURETHANE DUCT



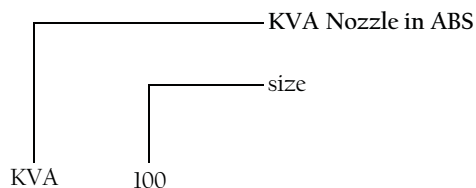
KVA 50



KVA 100



HOW TO ORDER

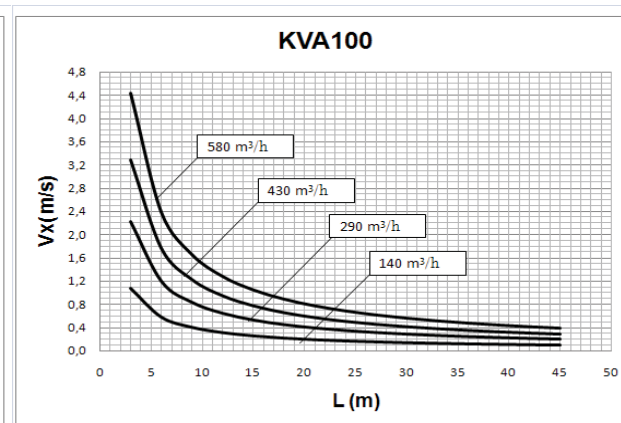
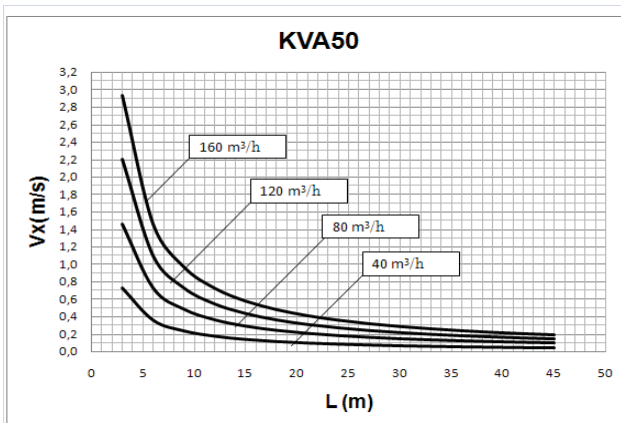
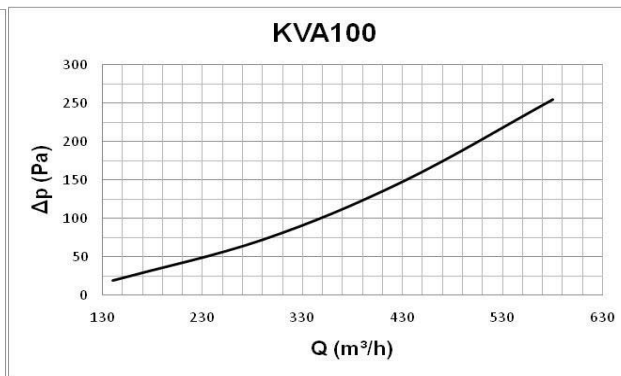
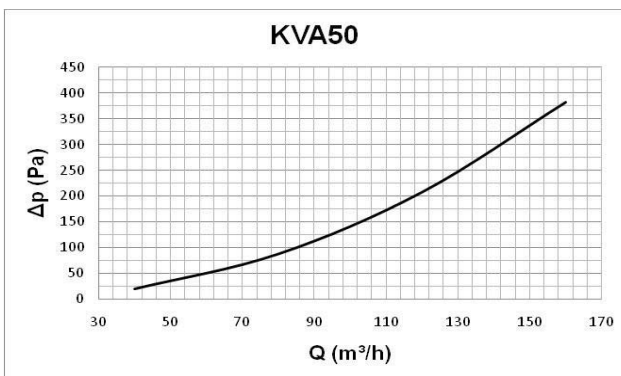
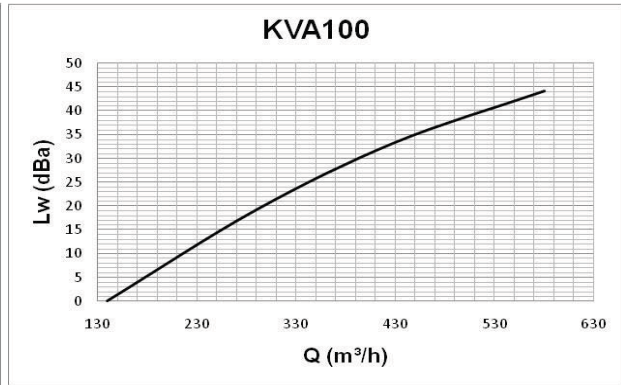
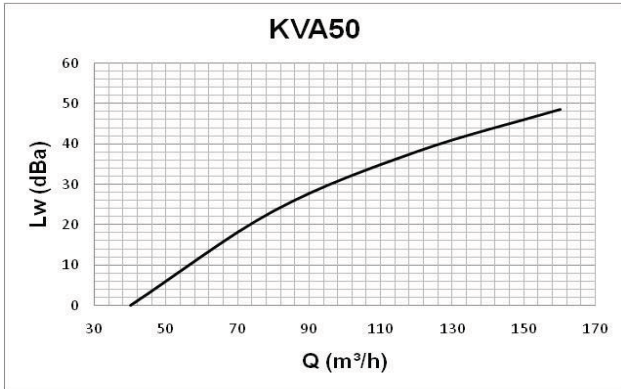




HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVA
SERIES

PERFORMANCE



Data measured in reverberation chamber in accordance with international standards:

ISO 3741 1999: Acoustic - determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms

ISO 5135 1997: Acoustic - determination of sound power levels of noise from air-terminal devices; air terminal units; dampers and valves by measurement in a reverberation room.

The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room fittings.

Data obtained from mathematical modelling in CFD test chamber operating in virtual agreement with the International Standard:

ISO 5219 1984: Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.



MICRO-NOZZLES DIFFUSERS

KVM
SERIES



OVERVIEW

FEATURES

The KVM diffusers were purposely studied for the installation on rectangular duct or on walls.

The plate has a series of individually adjustable micro-nozzles; this feature provides the KVM high versatility, depending on the kind of environment it is put.

Its particular geometry allows a deep launch that lets a stream of air throughout the room and not only near the diffuser, allowing the installation even in rooms with height below the standard.

The high number of exit throws ensures a very high induction between primary air and ambient air, allowing a quick reduction of speed and temperature before the air enters the occupied zone.

MATERIAL FINISHES:

Steel plate, aluminium border, nylon micro-nozzles, RAL9010.

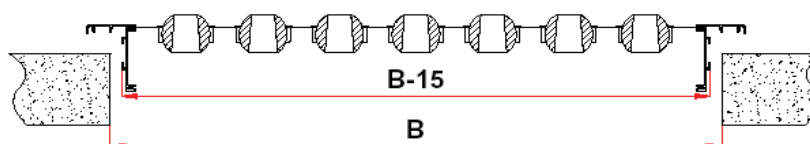
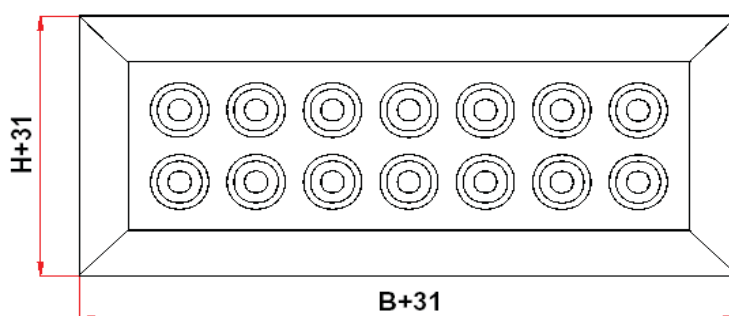
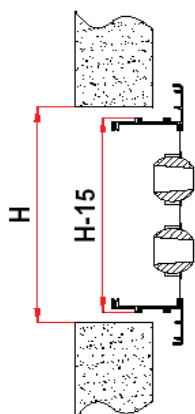
ACCESSORIES

Plenum, Insulated plenum, Equalizer on diffuser, Plenum damper

Note: For dimensions where there is an asterisk and can use the plenum TE-PAB axb

INSTALLATION:

Fitting on duct through frontal fixing with screw.





MICRO-NOZZLES DIFFUSERS

KVM
SERIES

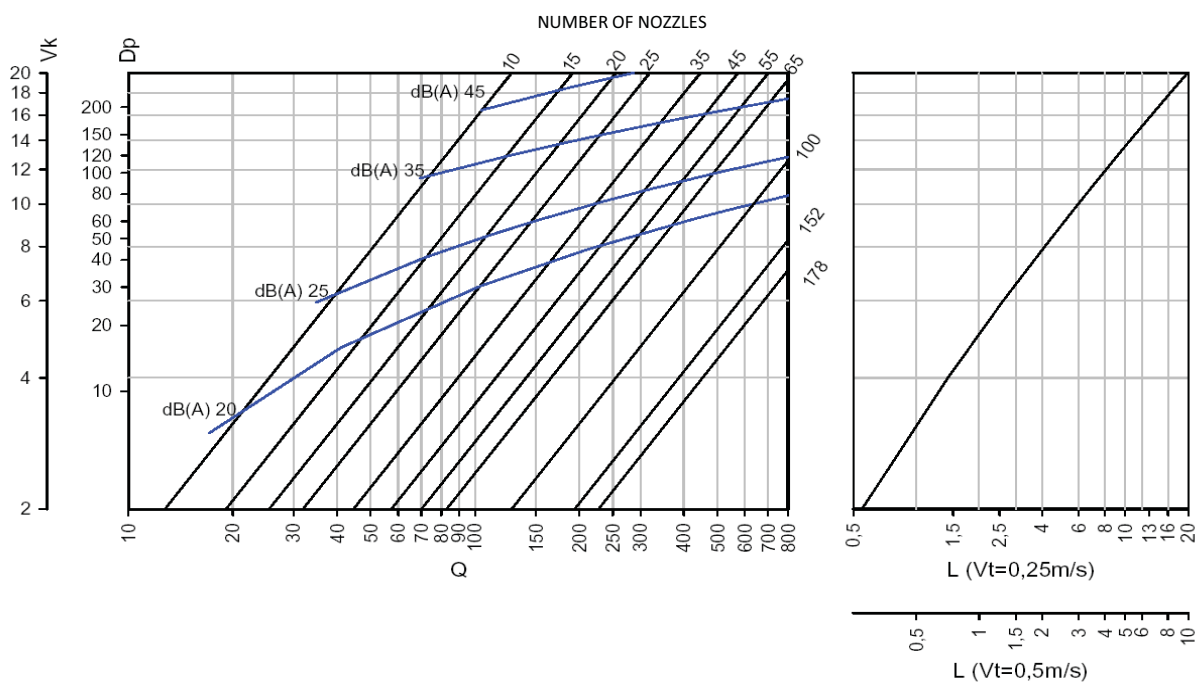


TECHNICAL DATA

NUMBER OF NOZZLES

H \ B	100 1 row	150 2 rows	200 3 rows	250 4 rows	300 5 rows	350 6 rows
250	4					
300	5*	10*	15			
400	7*	14*	21*	28		
500	9	18*	27*	36	45	
600	11	22*	33*	44	55	
700	13	26	39	52	65	78
800	15	30	45	60	75	90
900	17	34	51	68	85	102
1000	19	38	57	76	95	114
1100			63	84	105	126
1200				92	115	138
1300				100	125	150
1400						162
1500						174

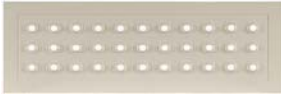
* compatible with TE-PAB





MICRO-NOZZLES DIFFUSERS

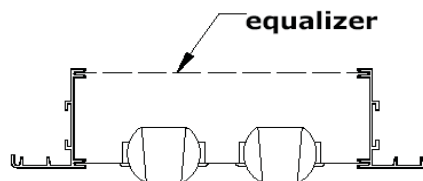
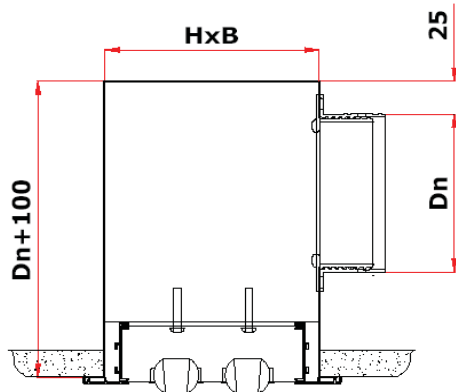
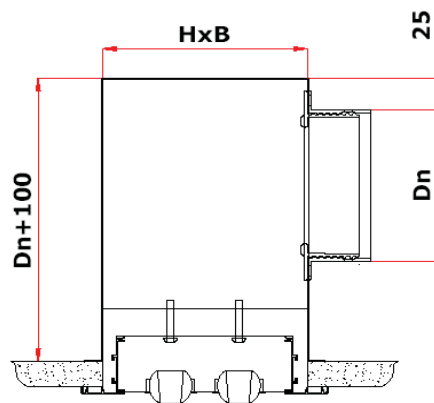
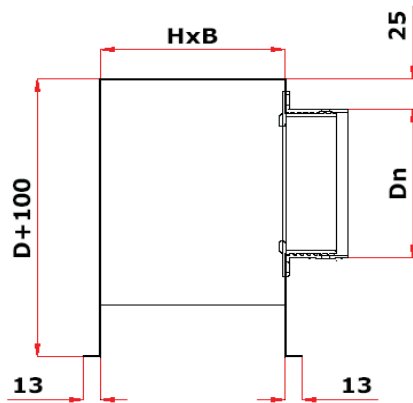
KVM
SERIES



TECHNICAL DATA

PLENUM SIZE

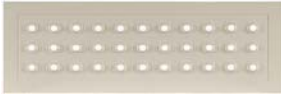
H \ B	100 Dn	150 Dn	200 Dn	250 Dn	300 Dn	350 Dn
250	125					
300	125	125	125			
400	125	125	125	160		
500	125	125	160	160	200	
600	125	125	160	200	200	
700	125	160	200	200	250	250
800	125	160	200	250	250	250
900	125	160	200	250	250	2x250
1000	125	200	200	250	2x250	2x250
1100			250	250	2x250	2x250
1200				250	2x250	2x250
1300				2x250	2x250	2x250
1400						2x250
1500						2x250



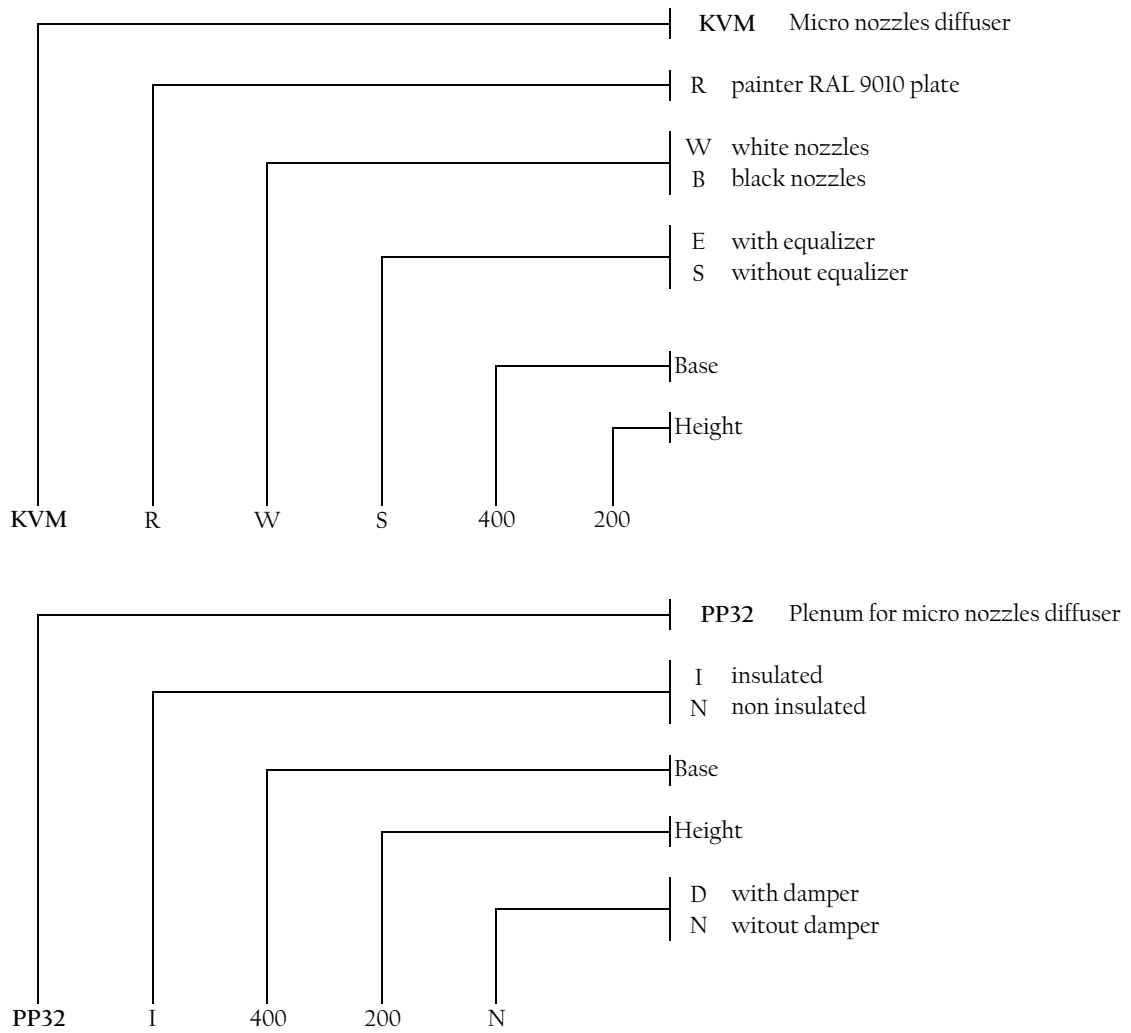


MICRO-NOZZLES DIFFUSERS

KVM
SERIES



HOW TO ORDER





LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

TECHNICAL CHARACTERISTICS

OVERVIEW : The KVC series of long throw concentric diffusers comprise of one or more individually adjustable (up to a 30° inclination) diffusers - up to a maximum of four, fitted on a custom made plate.

MATERIALS : The KVC diffusers are made from carbon steel sheet, painted RAL9010 with epoxy powder.

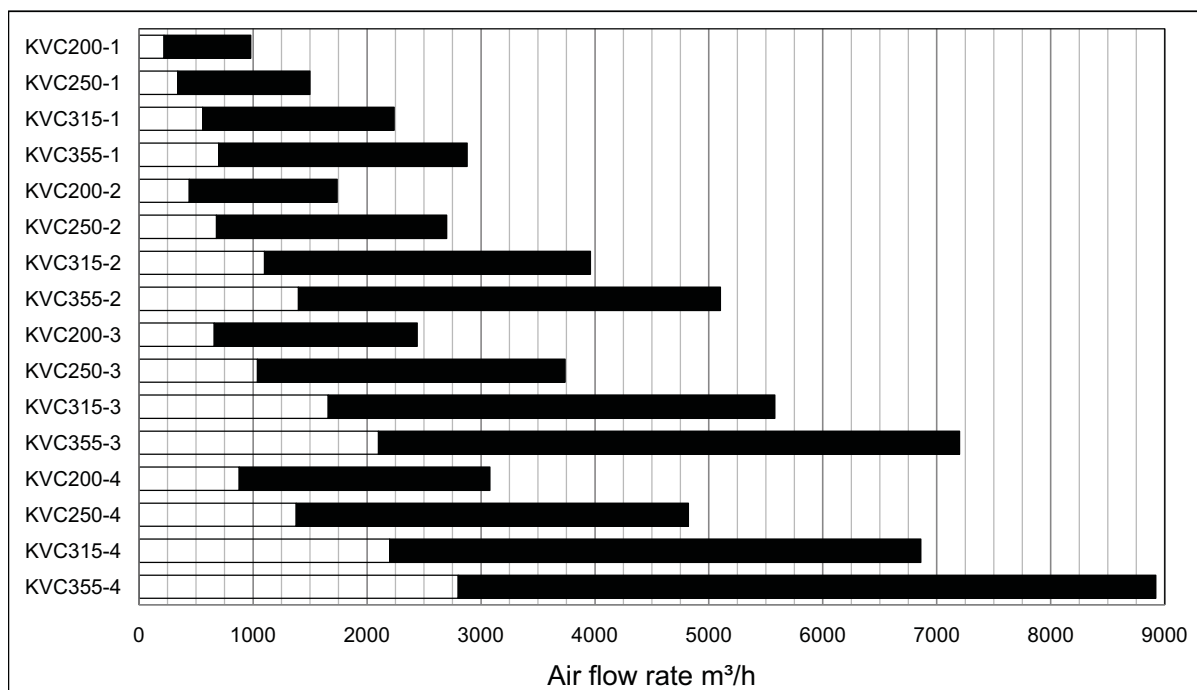
INSTALLATION : The installation is made using screws on the face of the diffuser plate in custom made holes in walls or directly on sides of rectangular ducts.

SELECTION METHOD

Using diagram shown below, it is possible to make a preliminary selection of the diffuser on the basis of the air flow rate.

It is recommended to check, using the diagrams shown in the following technical pages, the effective correspondence of the choice made to the specific conditions intended of use for the diffuser.

DESCRIPTION FOR TENDER: long throw concentric diffuser comprising of one or more adjustable concentric rings diffusers installed on a metal plate all painted RAL 9010, with all parts visible.



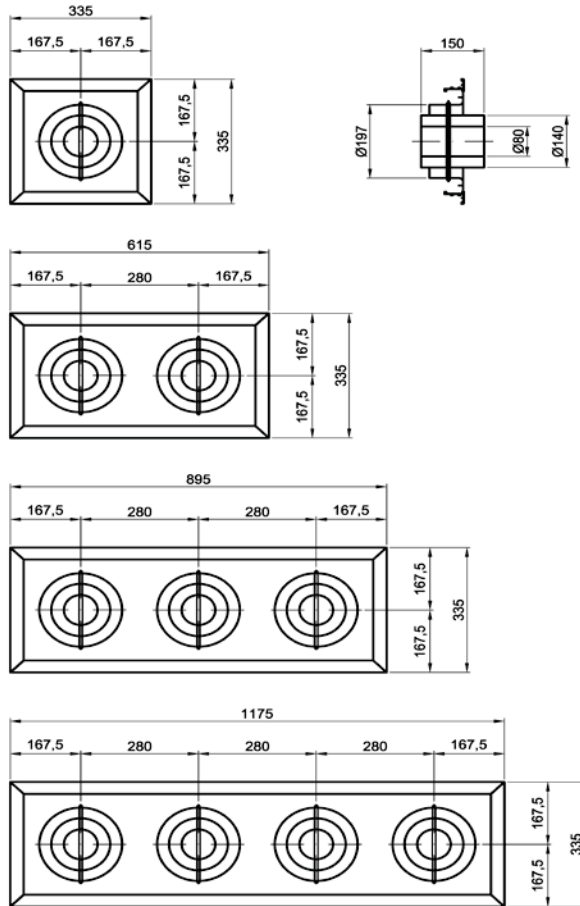
Free section of air passage single diffuser	
Nominal diameter	Ak m ²
200	0,0305
250	0,0479
315	0,0765
355	0,0973



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

KVC200 DIMENSIONS



Dimension in mm of the opening to be made on the side of the duct or in the wall for the correct installation of the plates.

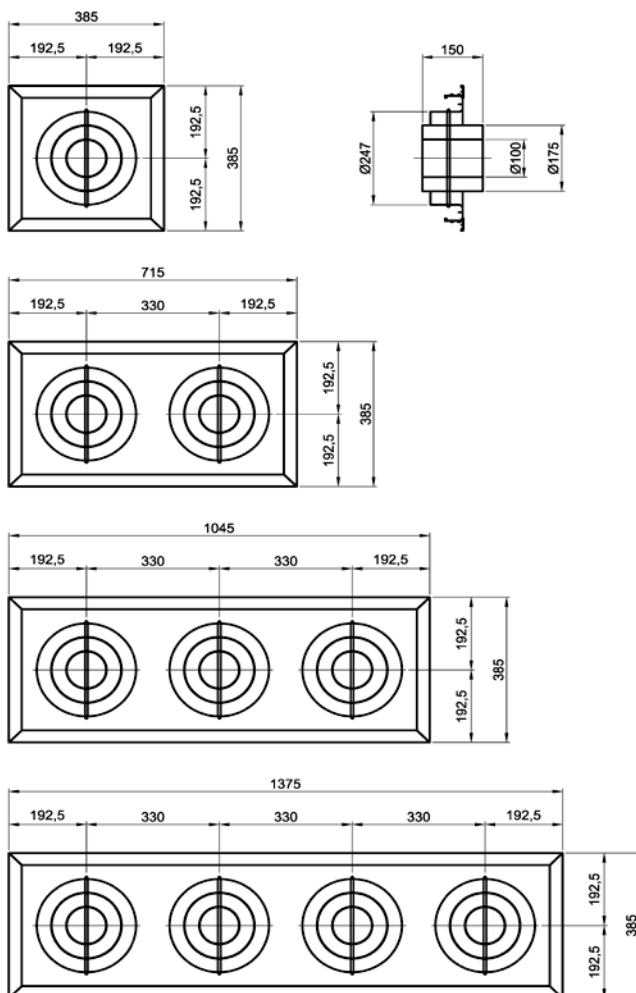
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	200	304	304
2	200	584	304
3	200	864	304
4	200	1144	304



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

KVC250 DIMENSIONS



Dimension in mm of the opening to be made on the side of the duct or in the wall for the correct installation of the plates.

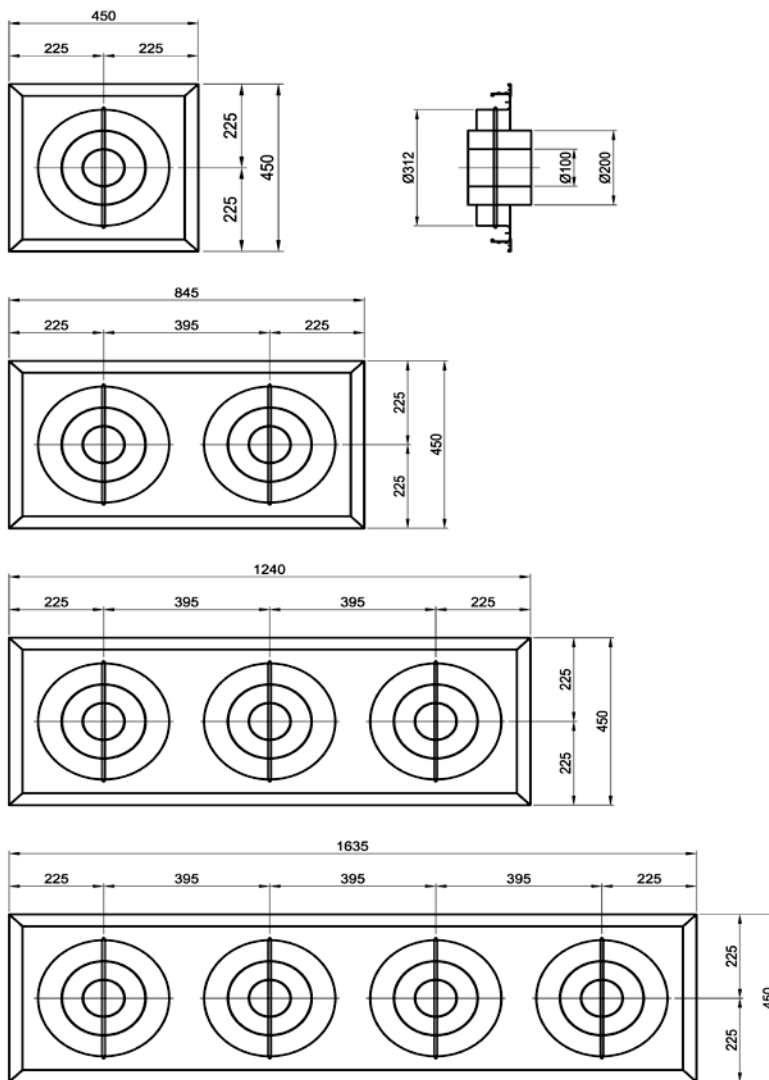
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	250	354	354
2	250	684	354
3	250	1014	354
4	250	1344	354



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

KVC315 DIMENSIONS



Dimension in mm of the opening to be made on the side of the duct or in the wall for the correct installation of the plates.

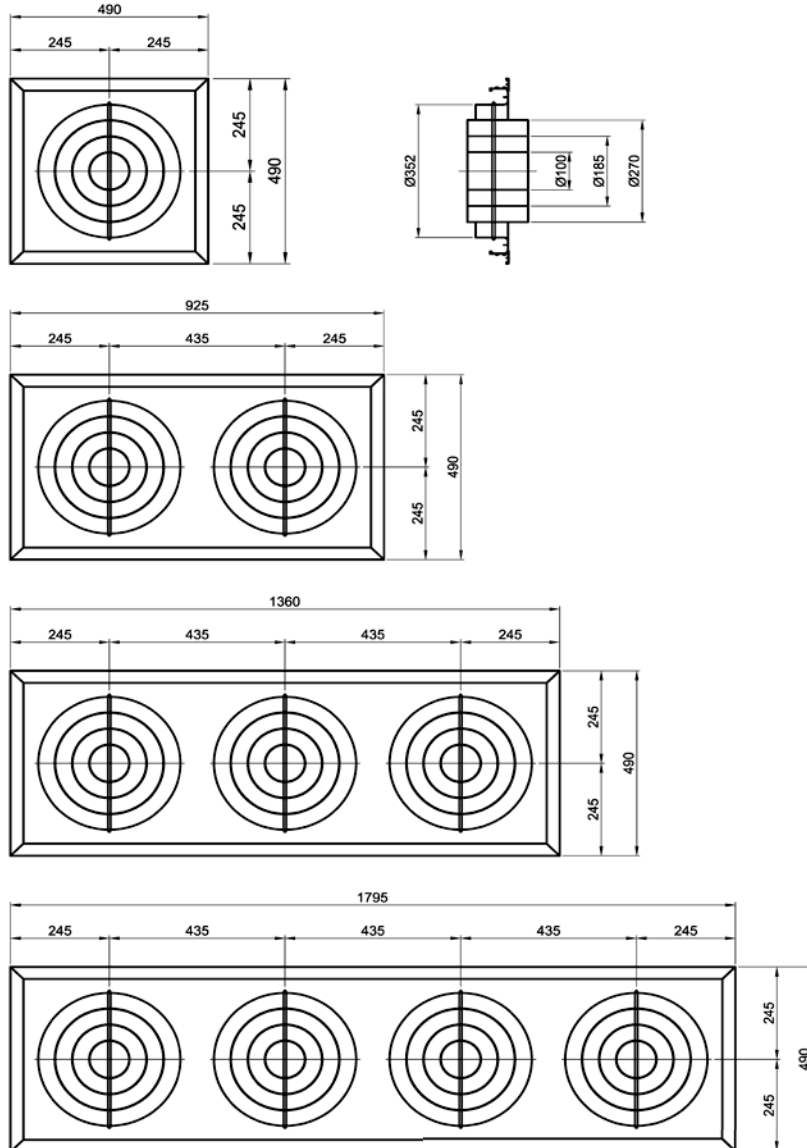
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	315	419	419
2	315	814	419
3	315	1209	419
4	315	1604	419



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

KVC355 DIMENSIONS



Dimension in mm of the opening to be made on the side of the duct or in the wall for the correct installation of the plates.

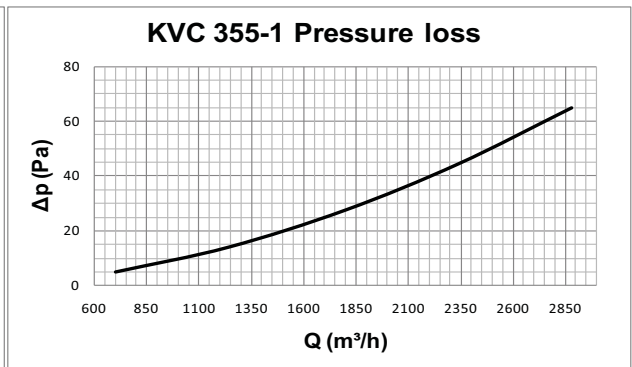
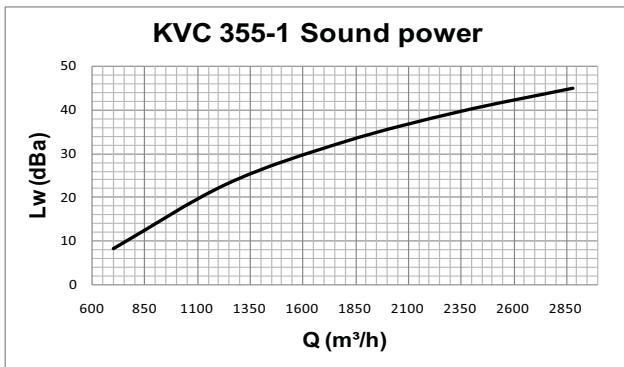
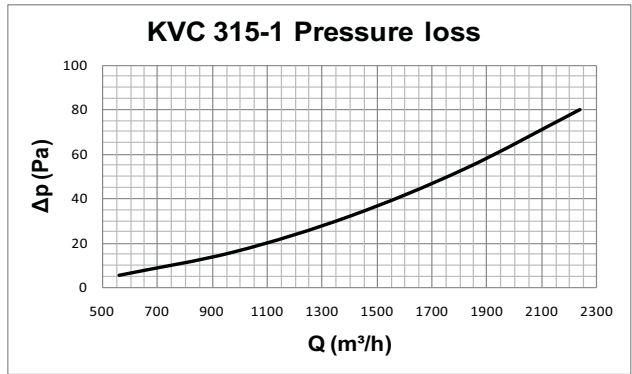
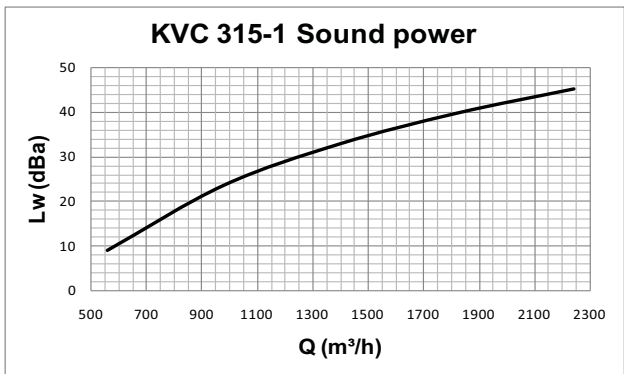
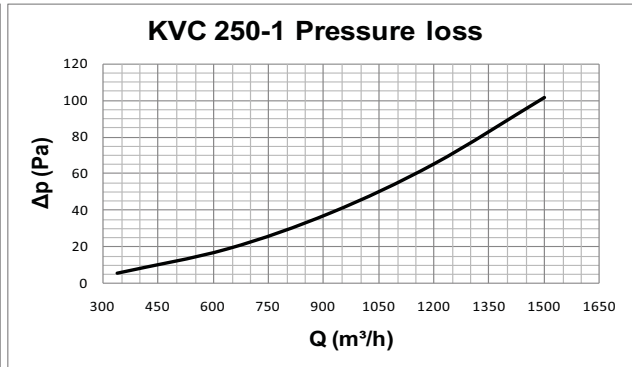
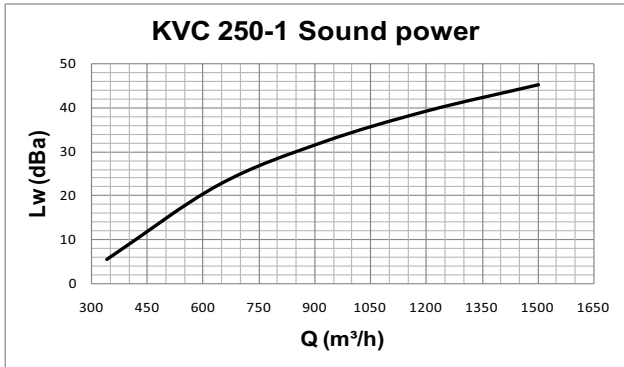
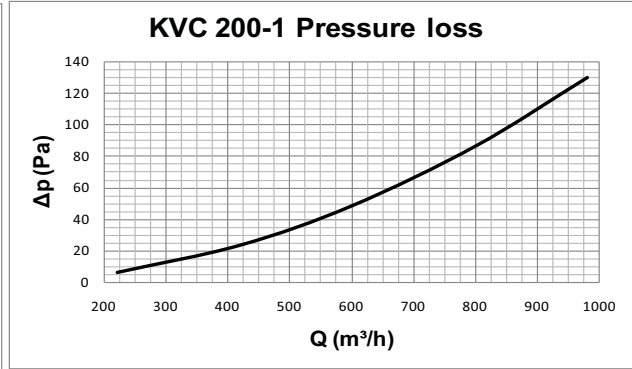
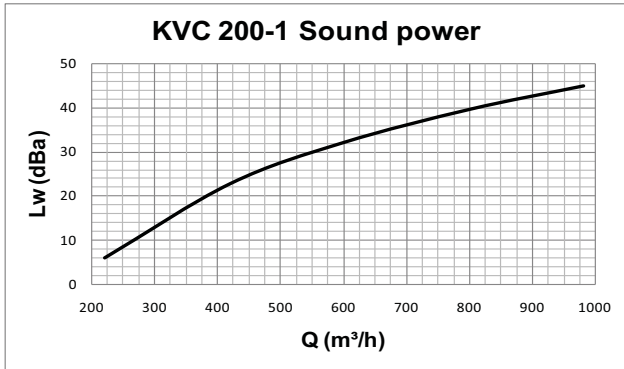
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	355	459	459
2	355	894	459
3	355	1329	459
4	355	1674	459



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

PLATE WITH SINGLE DIFFUSER
NOISE POWER AND PRESSURE LOSS

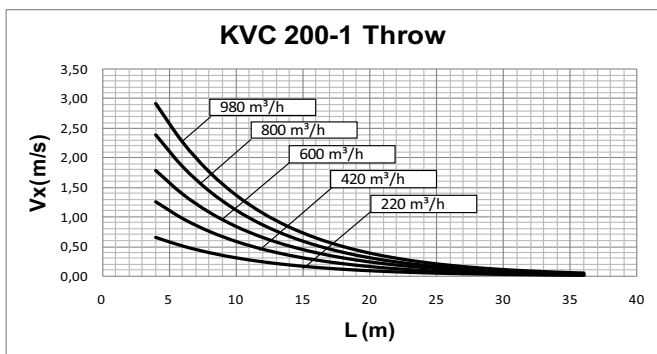




LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

PLATE WITH SINGLE DIFFUSER
AERAULIC DATA



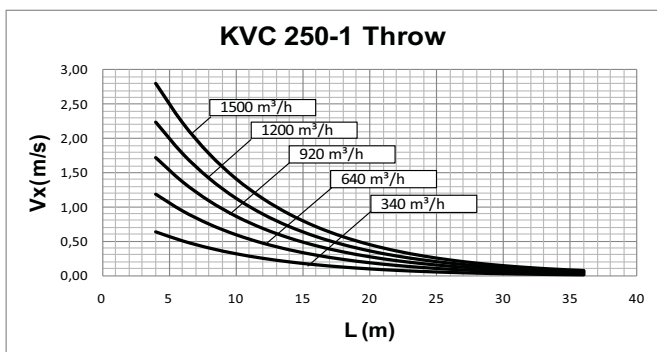
Acoustic data measured in reverberation room in accordance with the following international standards:

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ISO 5135 1997: *Acoustic - determination of sound power levels of noise from air-terminal devices; air terminal units; dampers and valves by measurement in a reverberation room.*

The data shown does not consider the resulting attenuation of the room where the diffusers will be installed.

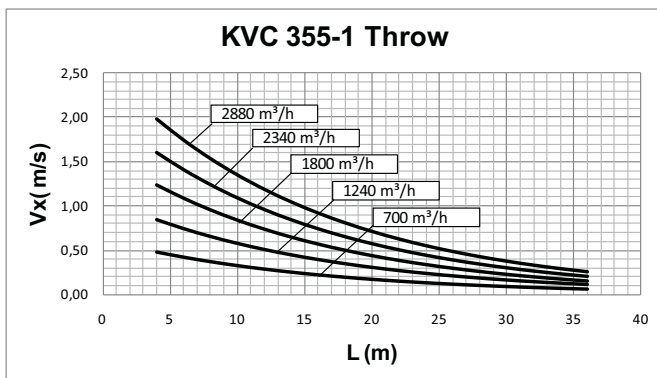
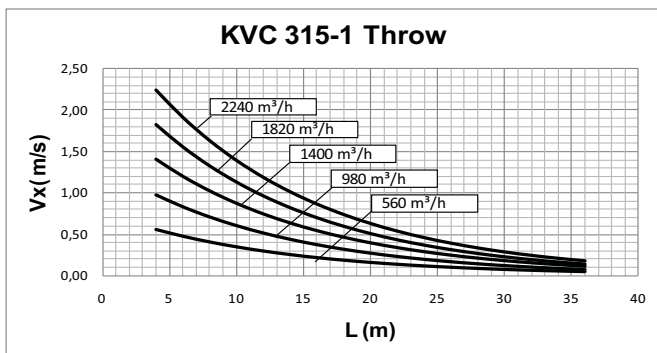
Such attenuation is normally between 6 and 10 dBA and is determined by the dimensions and the shape of the room together with the characteristics of the furnishings within it.



Aeraulic and pressure loss data measured by operating in isothermic conditions in accordance with the international standard:

ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*

L (m) horizontal distance in metres from the centre of the

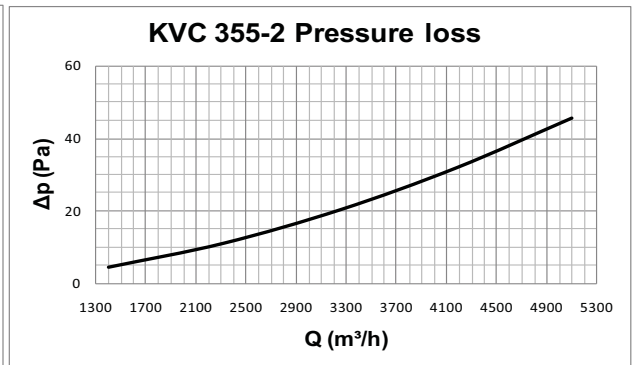
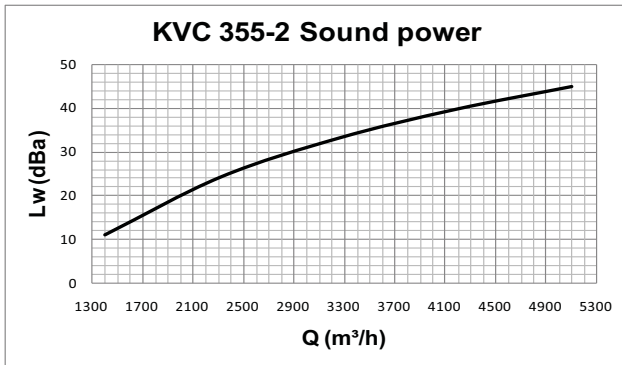
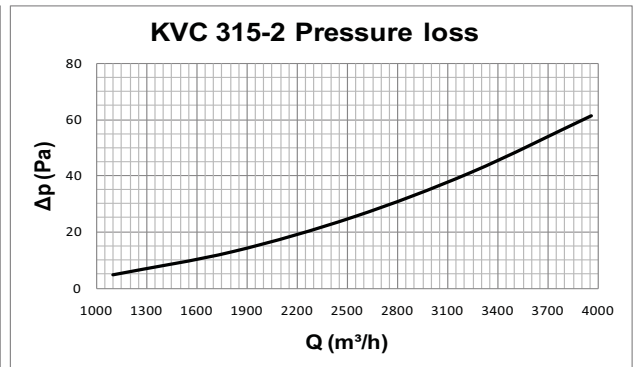
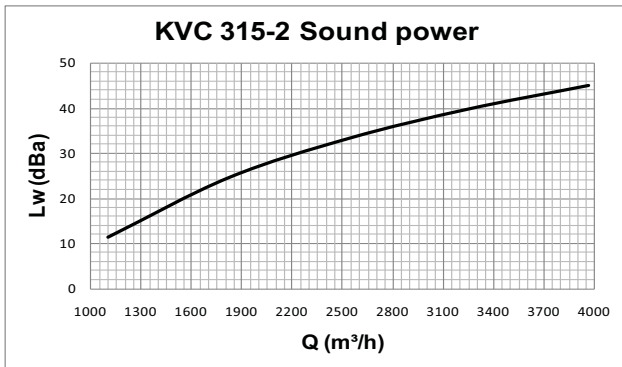
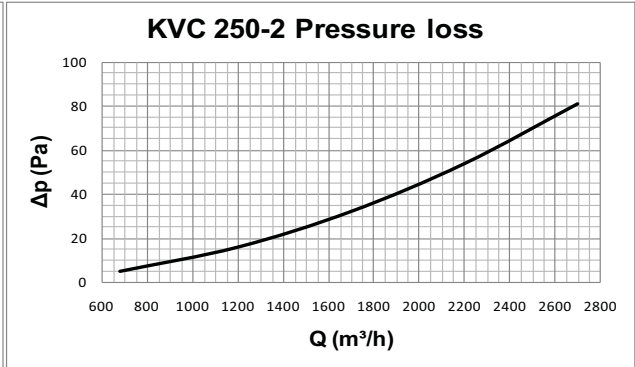
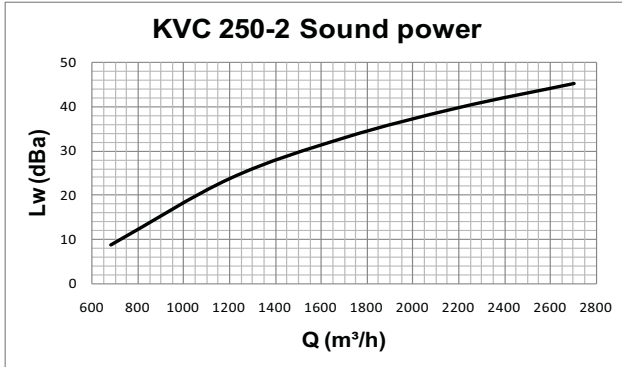
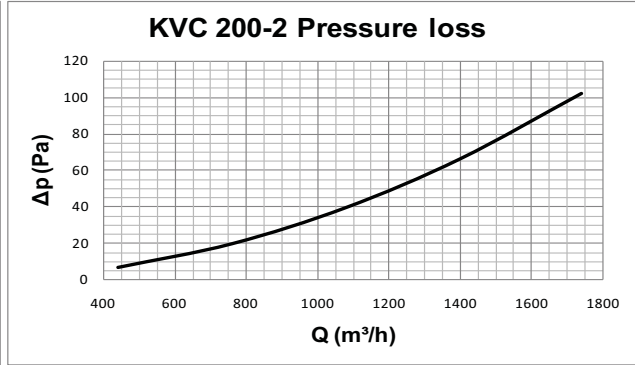
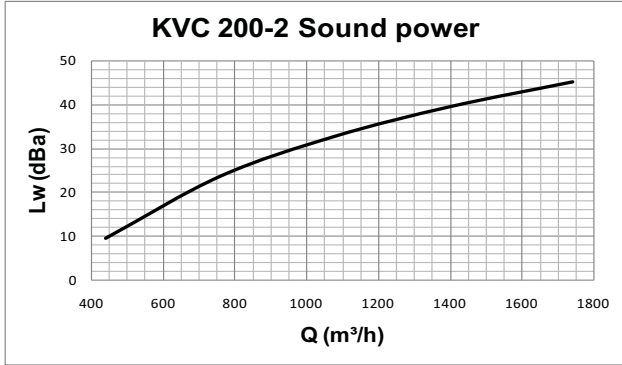




LONG THROW CONCENTRIC DIFFUSERS

KVC SERIES

PLATE WITH TWO DIFFUSERS
NOISE POWER AND PRESSURE LOSS

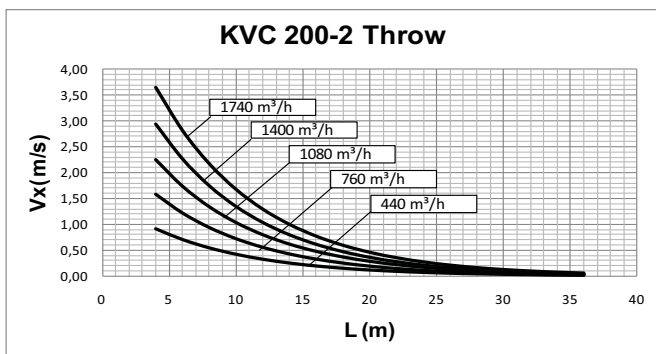




LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

PLATE WITH TWO DIFFUSERS
AERAULIC DATA



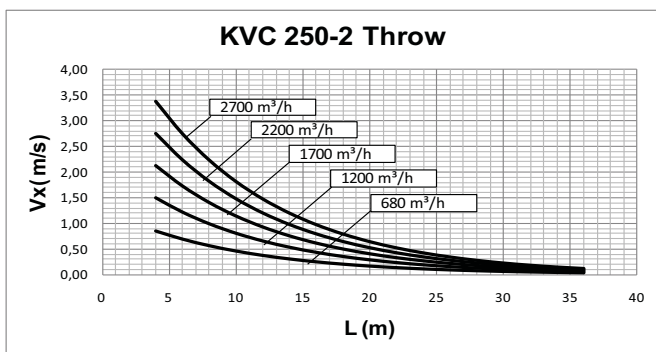
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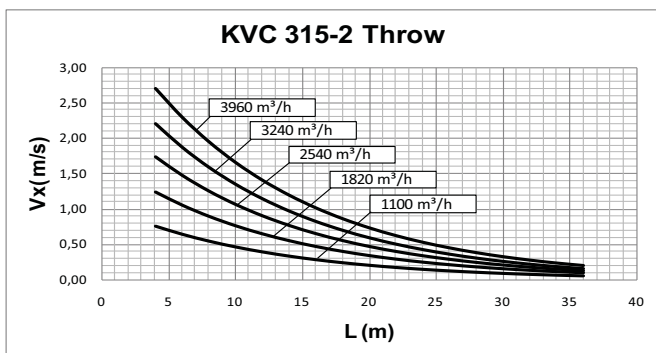
The data shown does not consider the resulting attenuation of the room where the diffusers will be installed.

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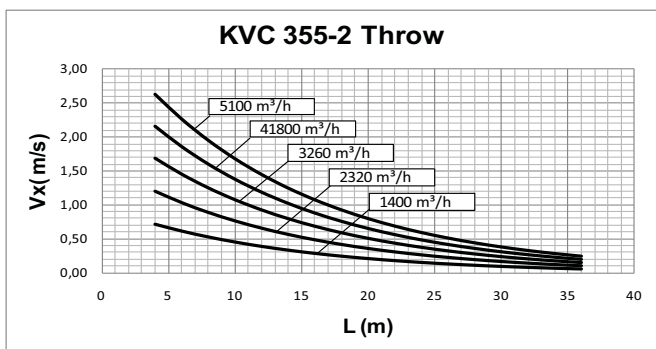


Aeraulic and pressure loss data measured by operating in isothermic conditions in accordance with the international standard:

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L (m) horizontal distance in metres from the centre of the

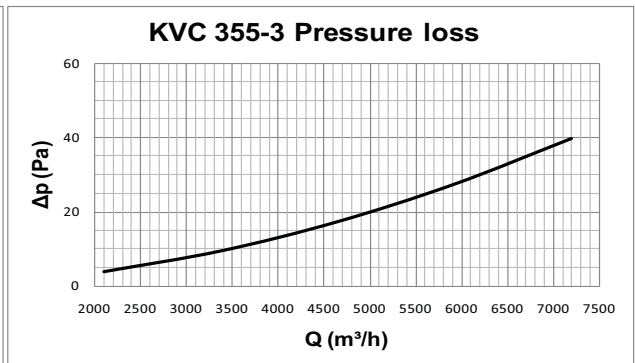
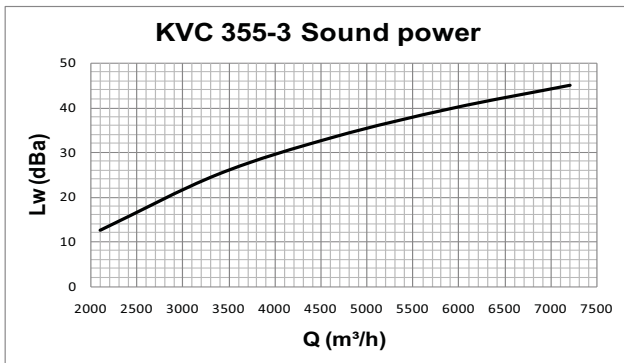
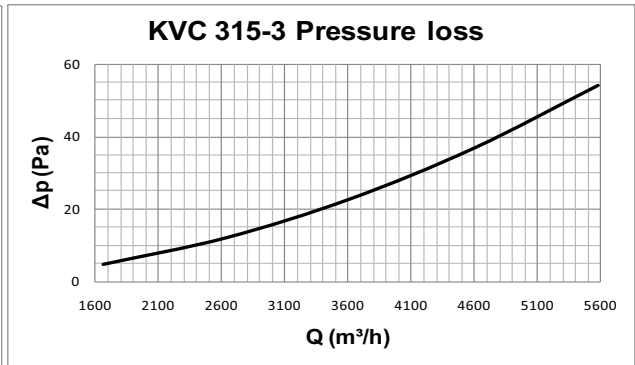
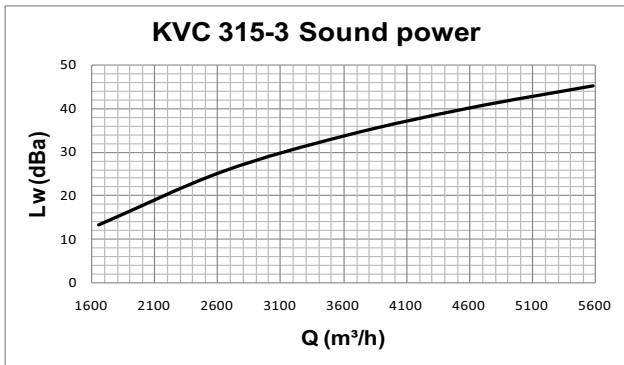
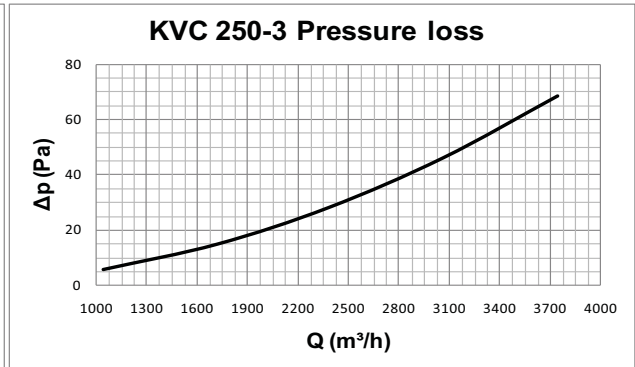
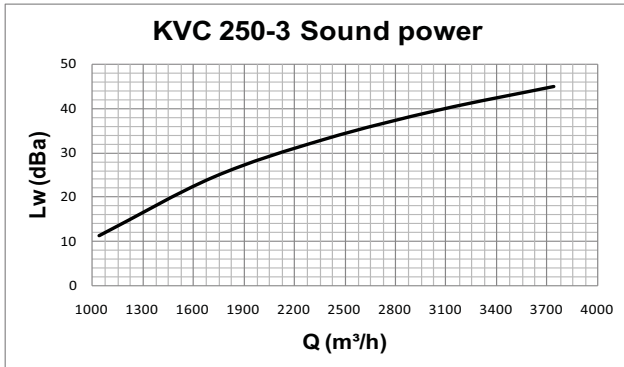
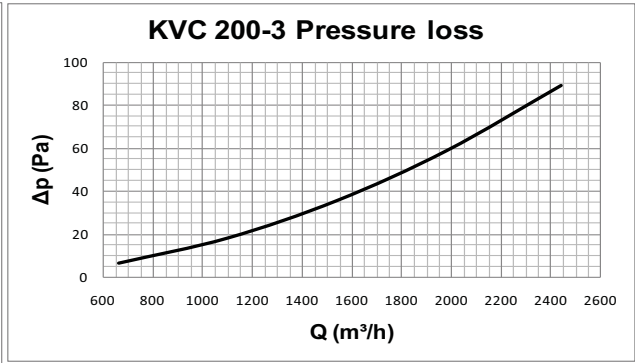
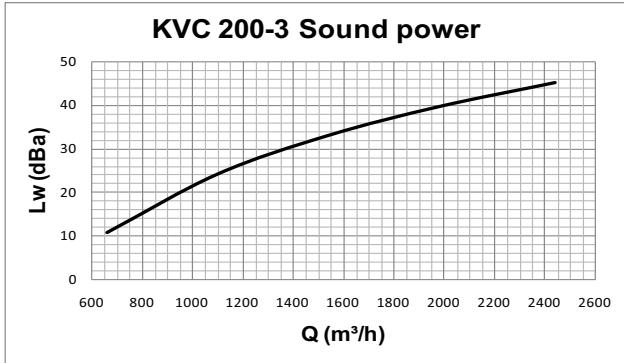




LONG THROW CONCENTRIC DIFFUSERS

KVC SERIES

PLATE WITH THREE DIFFUSERS
NOISE POWER AND PRESSURE LOSS



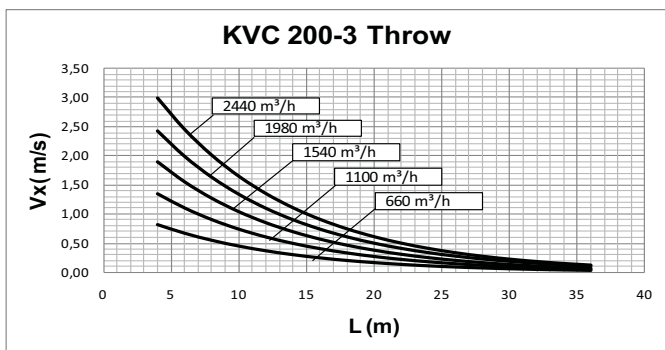


LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES



PLATE WITH THREE DIFFUSERS
AERAULIC DATA



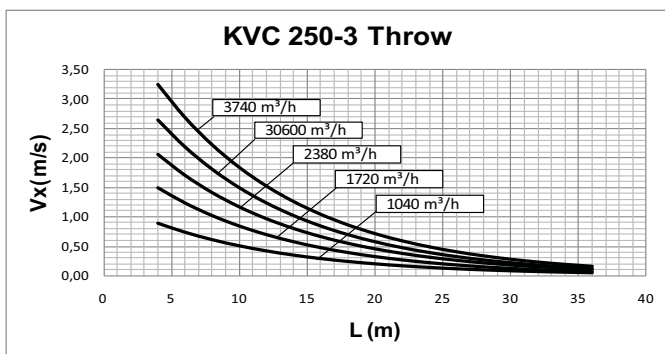
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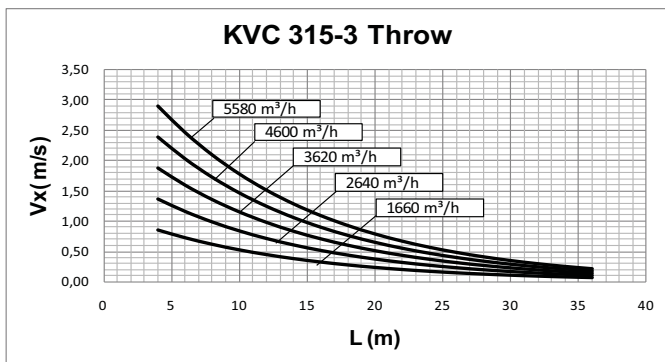
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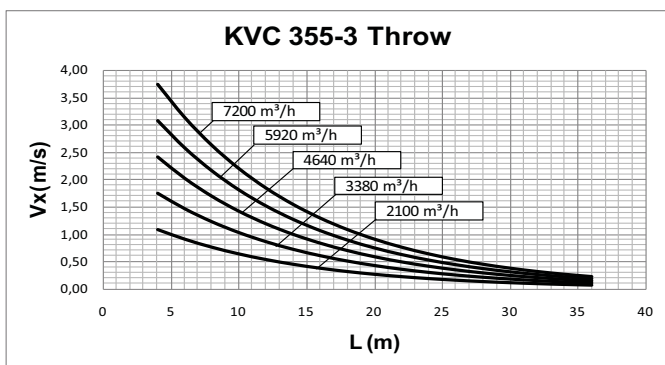


Aeraulic and pressure loss data measured by operating in isothermic conditions in accordance with the international standard:

ISO 5219 1984: *Air distribution and air diffusion - Laboratory. Aerodynamic testing and rating of air terminal devices.*



L (m) horizontal distance in metres from the centre of the diffuser

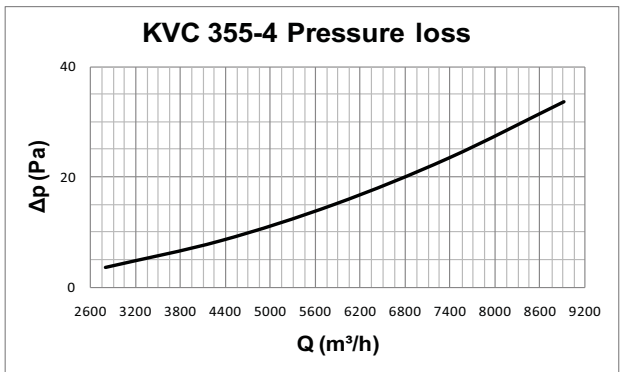
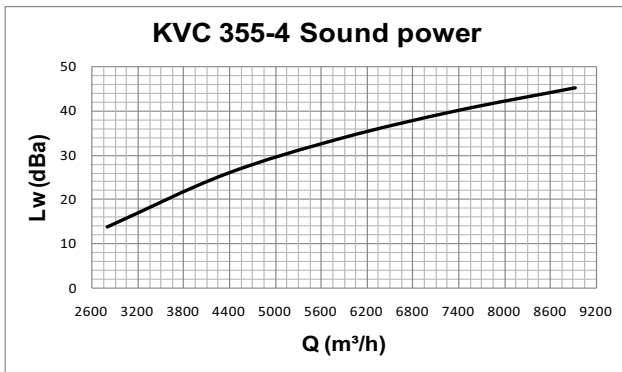
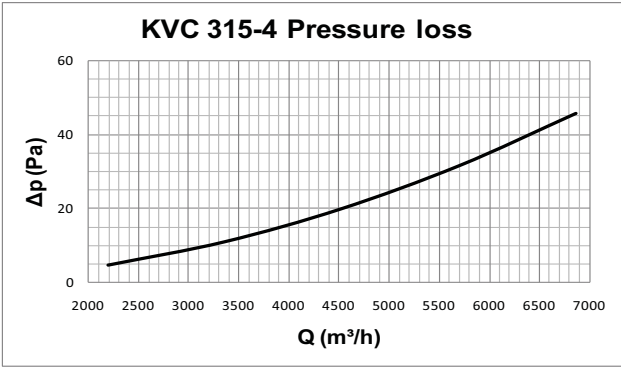
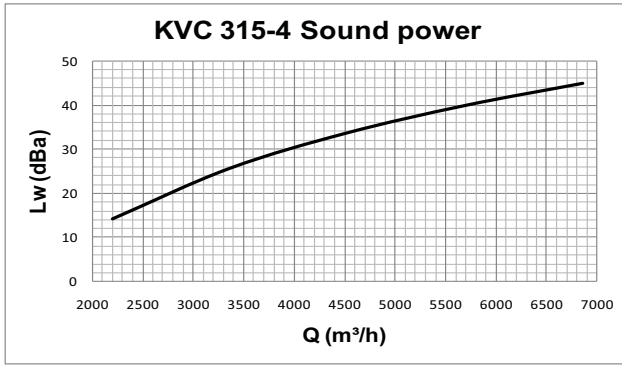
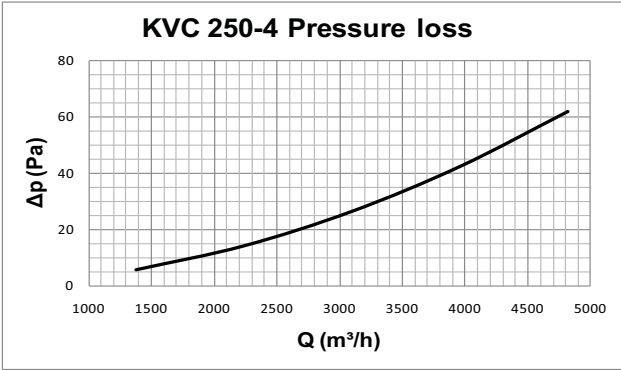
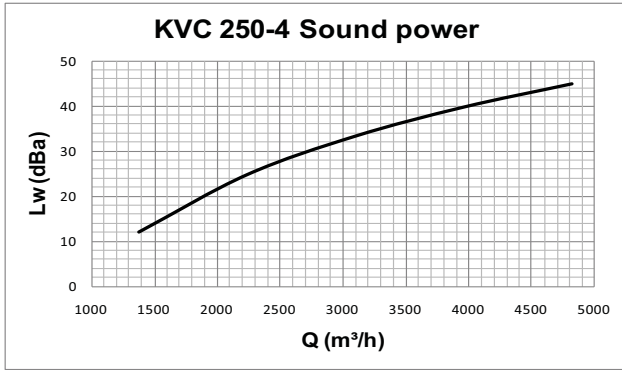
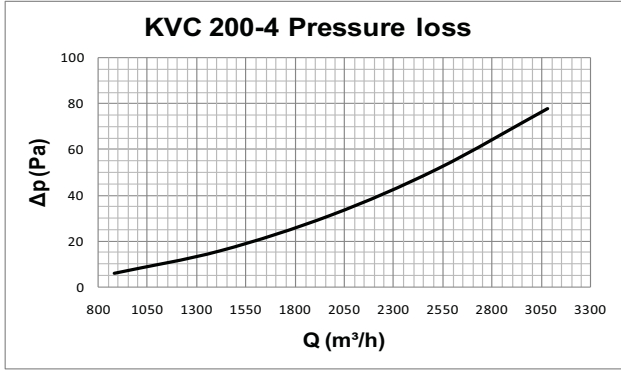
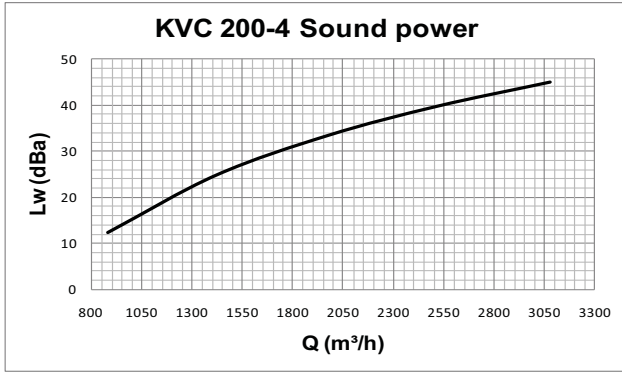




LONG THROW CONCENTRIC DIFFUSERS

KVC SERIES

PLATE WITH FOUR DIFFUSERS
NOISE POWER AND PRESSURE LOSS



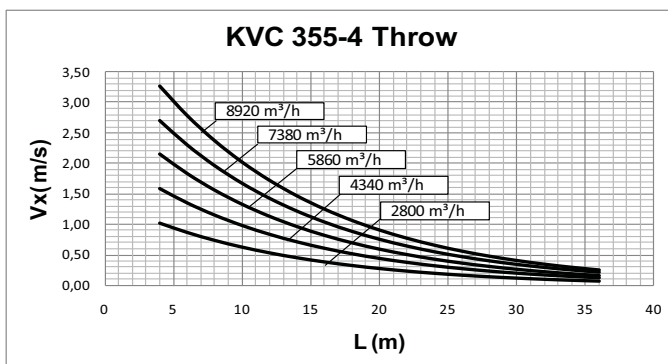
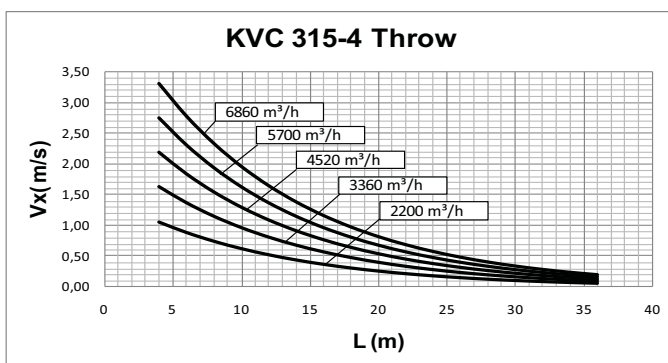
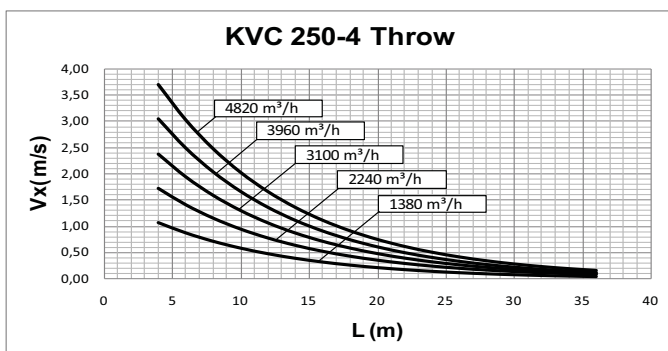
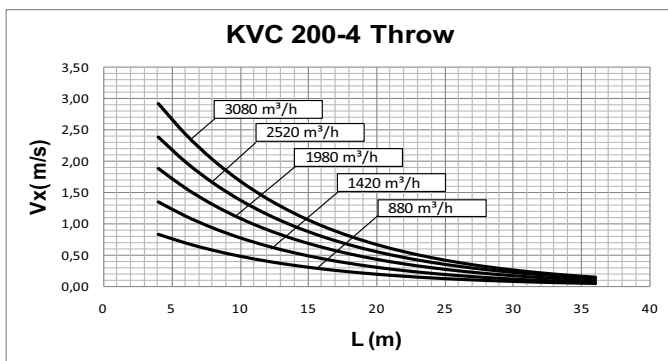


LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES



PLATE WITH FOUR DIFFUSERS
AERAULIC DATA



Acoustic data measured in reverberation room in accordance with the following international standards:

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L (m) horizontal distance in metres from the centre of the diffuser





LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES



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