



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.

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.

UNSUITABLE ENVIRONMENTS

The products in painted carbon steel are not suitable for installation in environments with high humidity and in environments with a potentially explosive atmosphere or containing powders or vapors of corrosive substances.



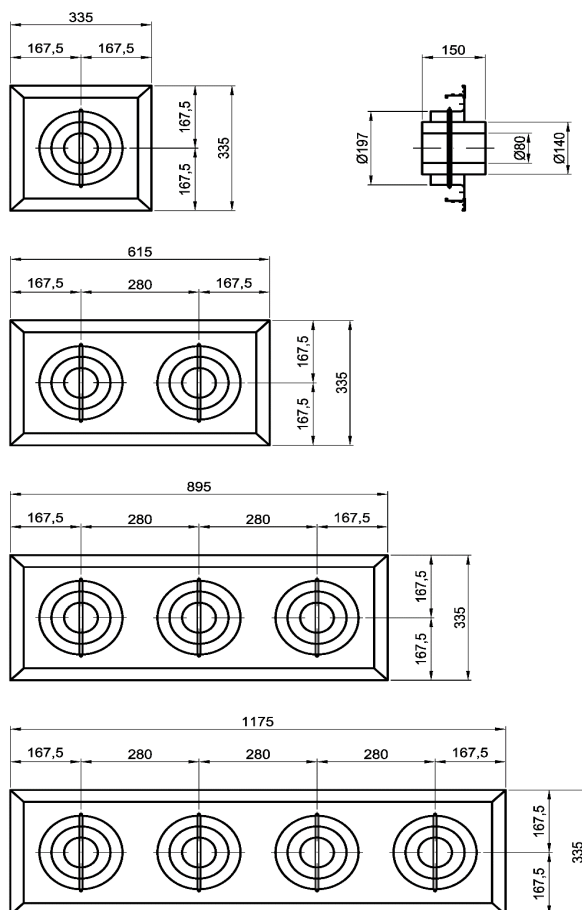
Free section of air passage single diffuser	
Nominal diameter	Ak m ²
200	0,0305
250	0,0479
315	0,0765
355	0,0973



LONG THROW CONCENTRIC DIFFUSERS

KVC200 DIMENSIONS

KVC SERIES



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.

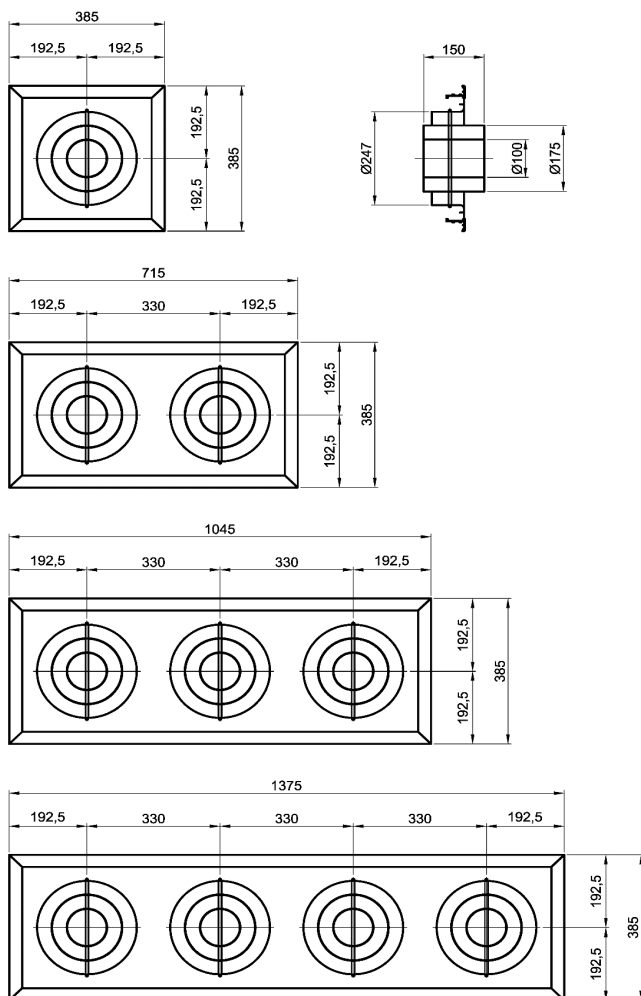
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	200	304	304
2	200	584	304
3	200	864	304
4	200	1144	304



LONG THROW CONCENTRIC DIFFUSERS

KVC250 DIMENSIONS

KVC
SERIES



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.

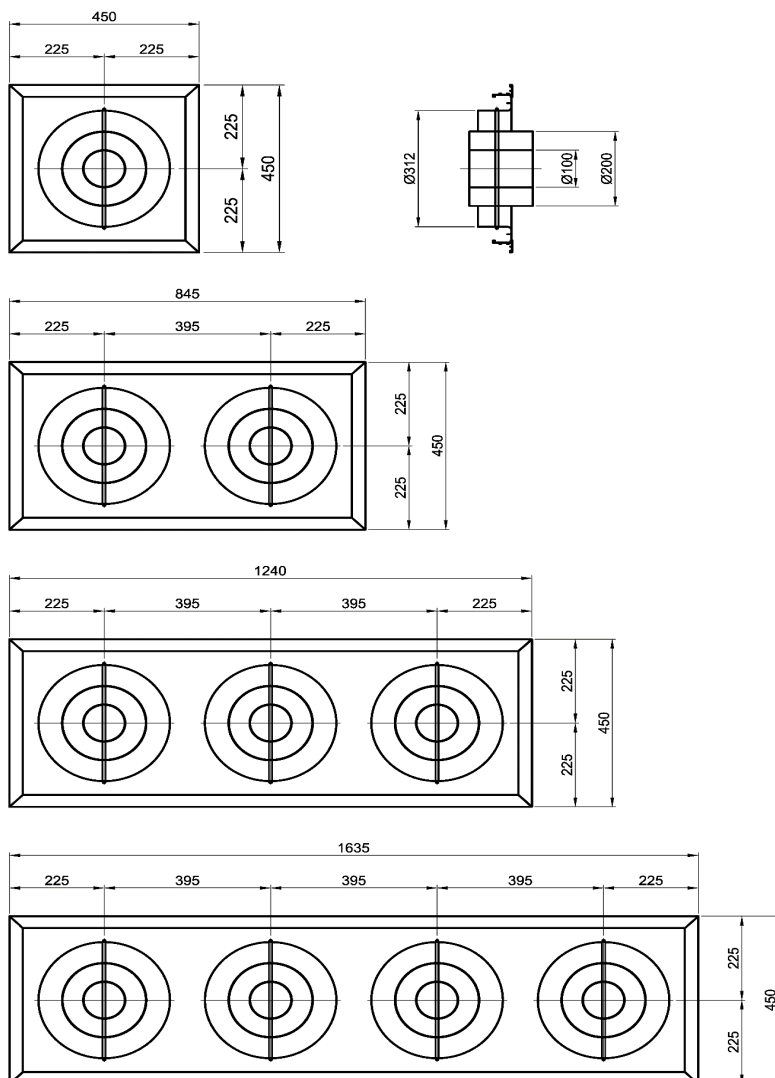
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	250	354	354
2	250	684	354
3	250	1014	354
4	250	1344	354



LONG THROW CONCENTRIC DIFFUSERS

KVC315 DIMENSIONS

KVC
SERIES



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.

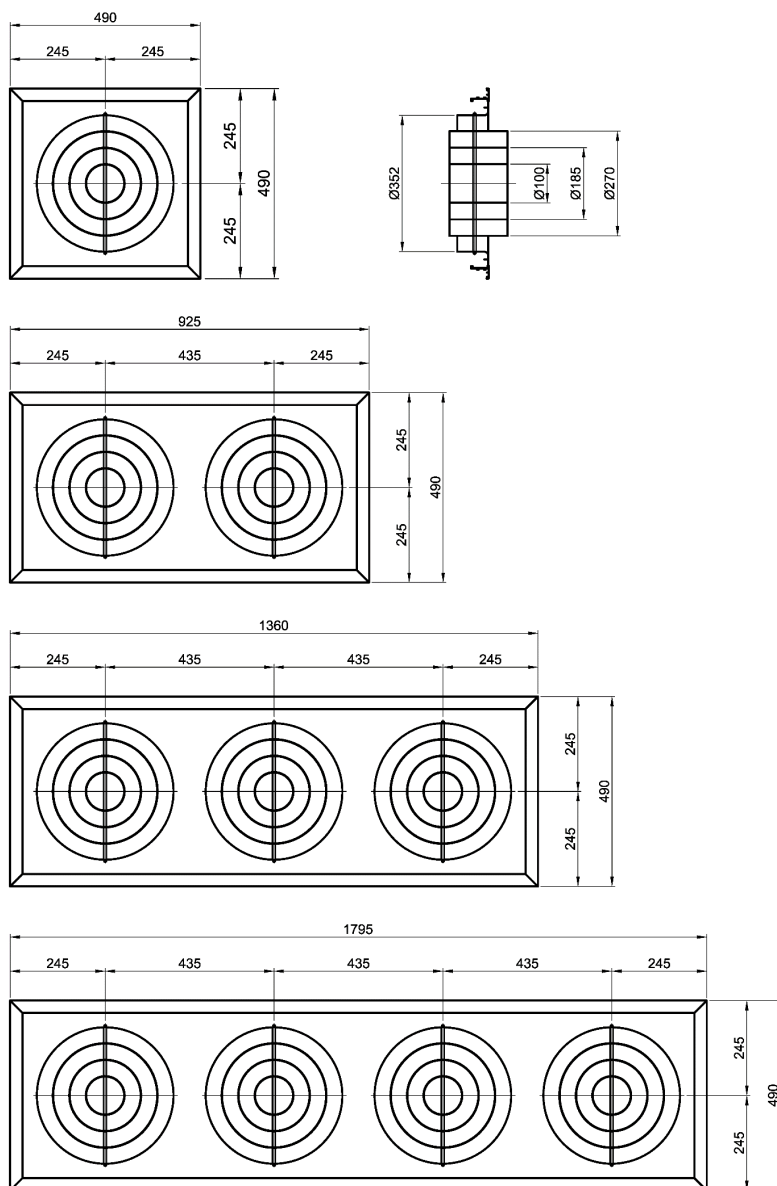
DIFFUSER NR	DIAMETER	BASE	HEIGHT
1	315	419	419
2	315	814	419
3	315	1209	419
4	315	1604	419



LONG THROW CONCENTRIC DIFFUSERS

KVC355 DIMENSIONS

KVC
SERIES



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.

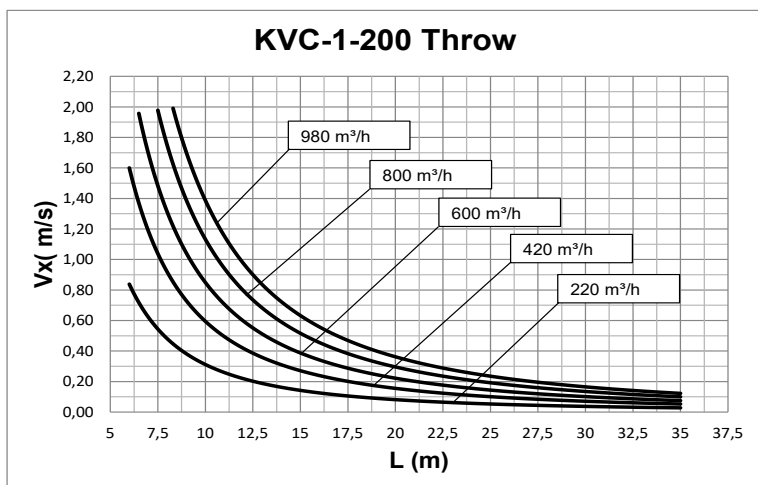
N° DIFFUSORI	DIAMETRO	BASE	ALTEZZA
1	355	459	459
2	355	894	459
3	355	1329	459
4	355	1674	459



LONG THROW CONCENTRIC DIFFUSERS

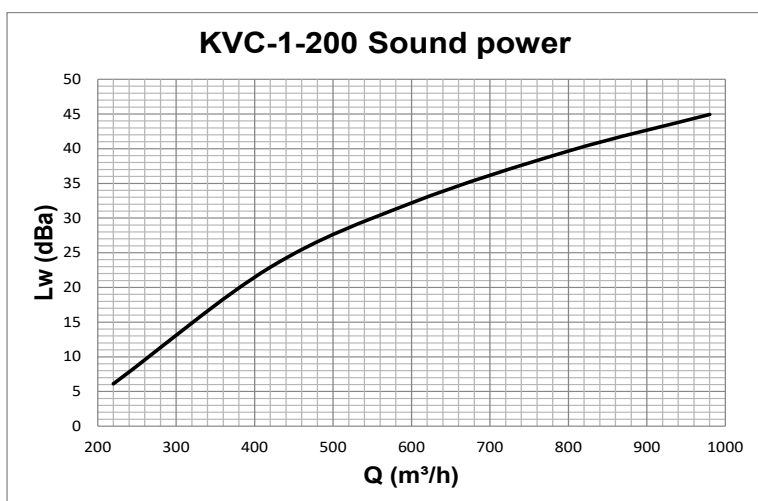
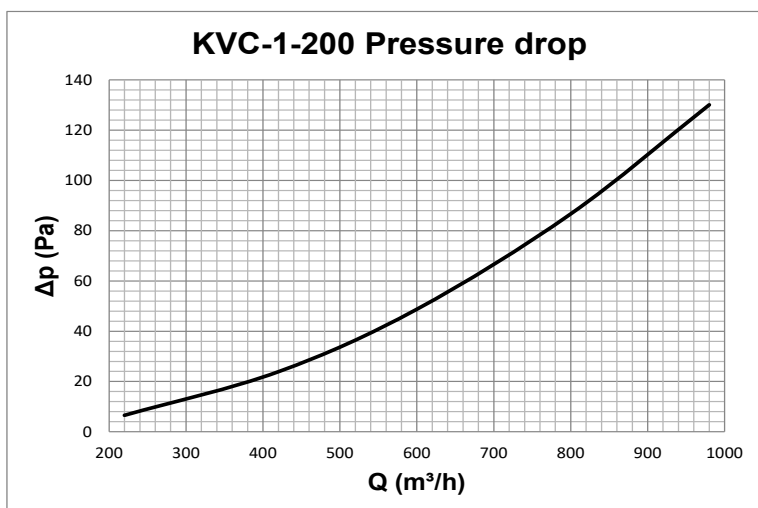
KVC
SERIES

PERFORMANCE
KVC-1-200



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

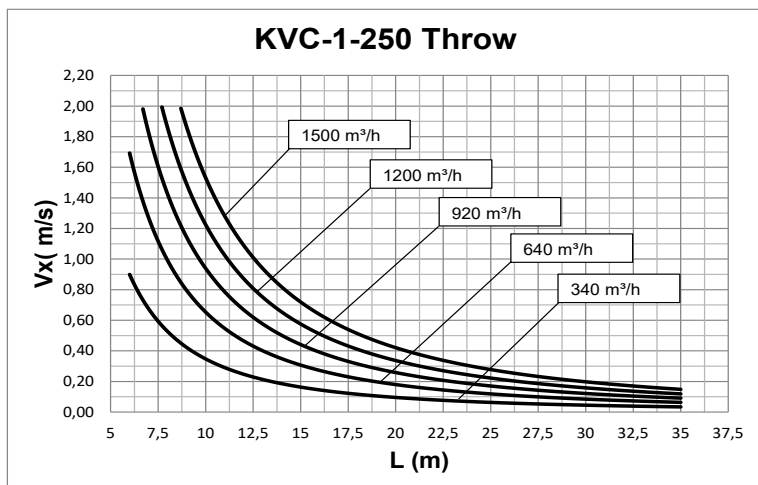
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

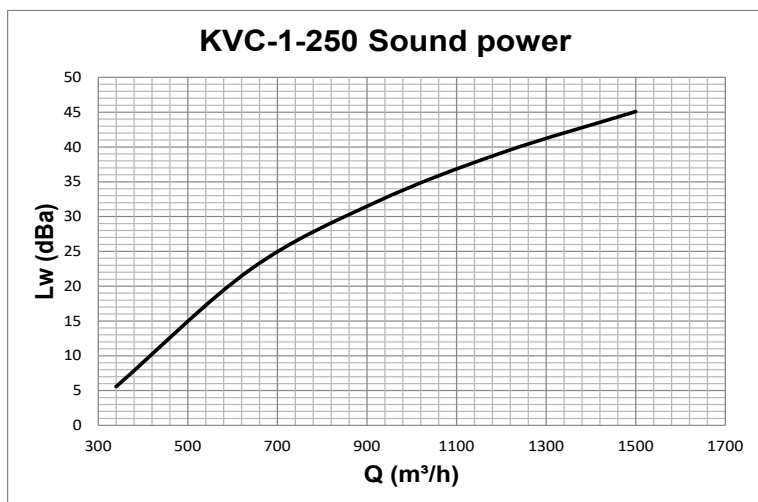
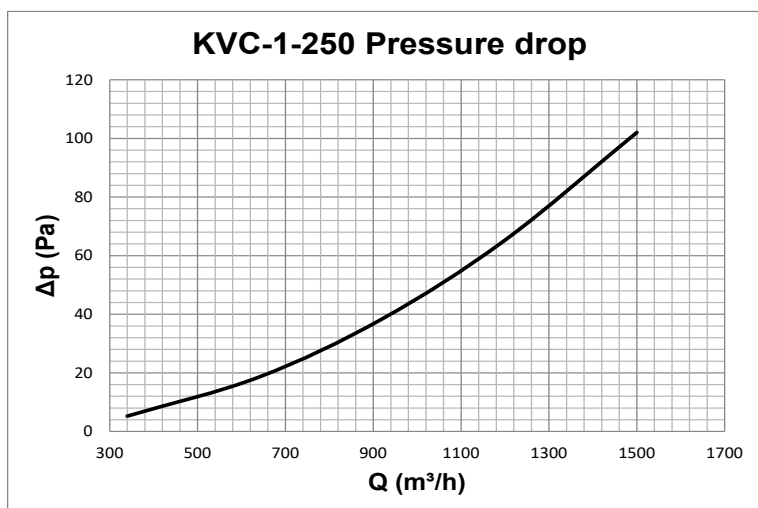
PERFORMANCE
KVC-1-250

KVC
SERIES



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

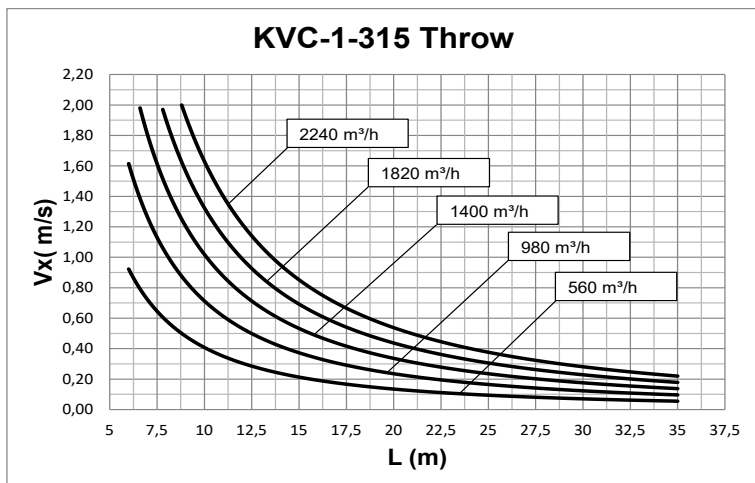
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

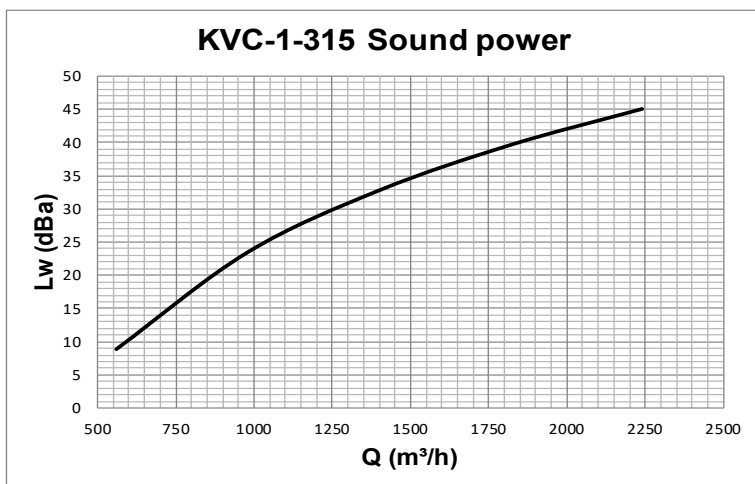
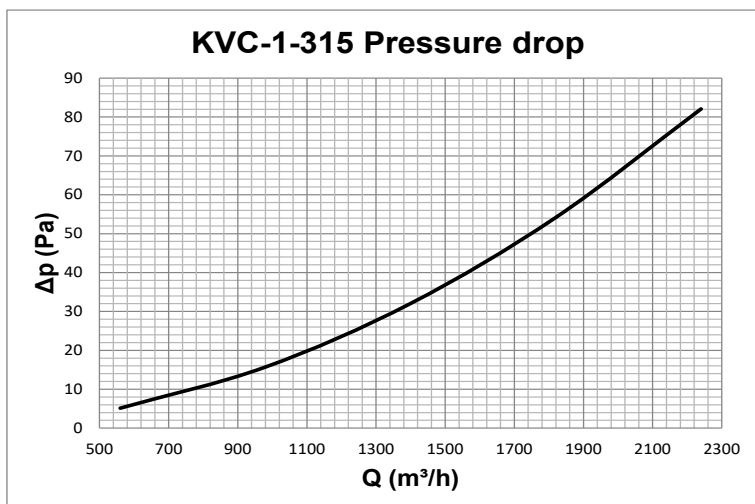
PERFORMANCE
KVC-1-315

KVC
SERIES



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

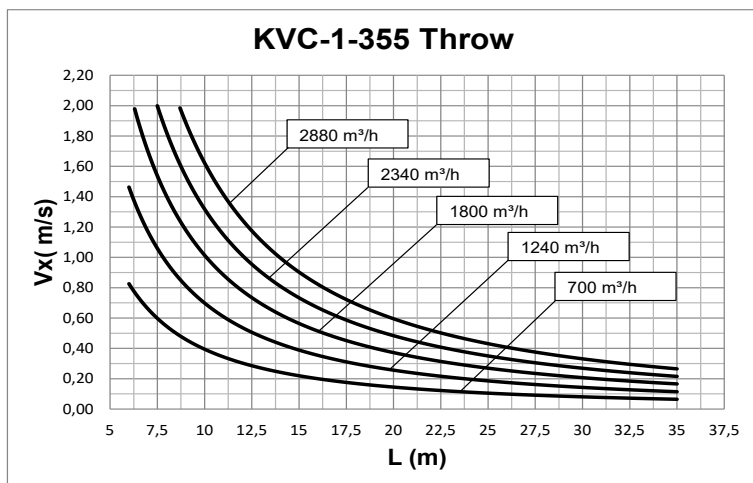
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

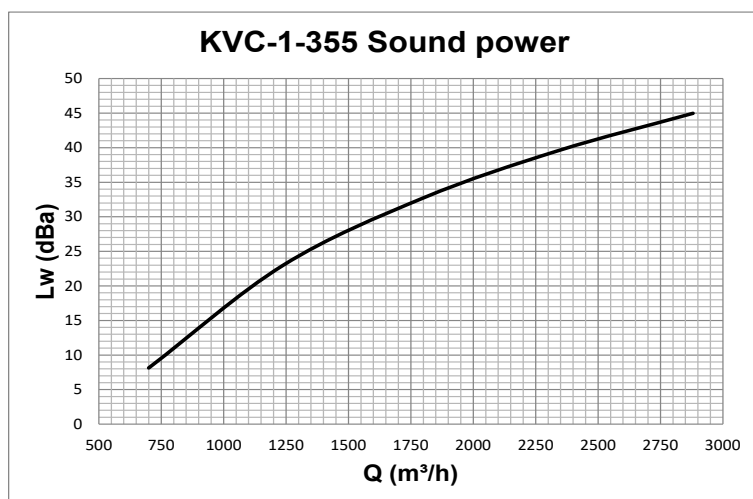
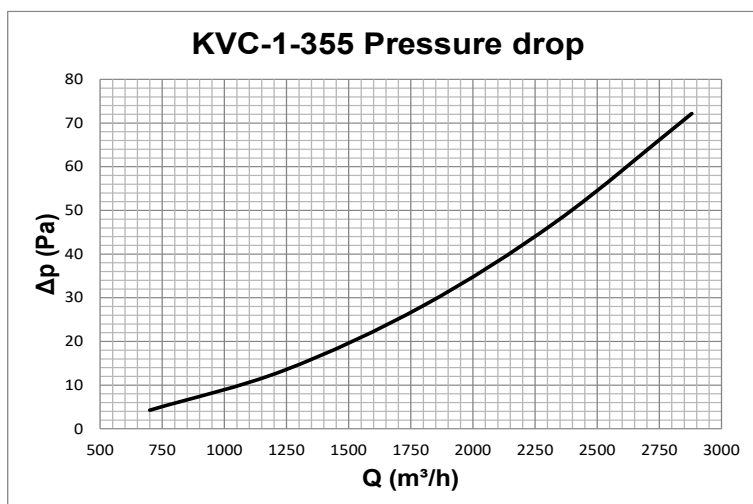
PERFORMANCE
KVC-1-355

KVC
SERIES



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

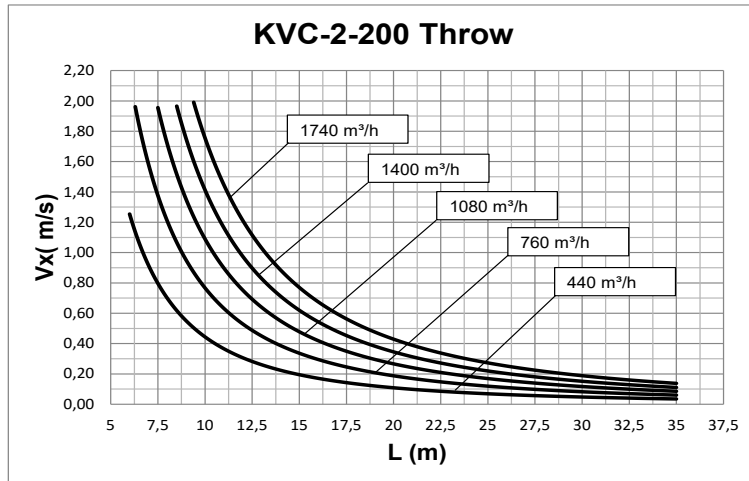
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

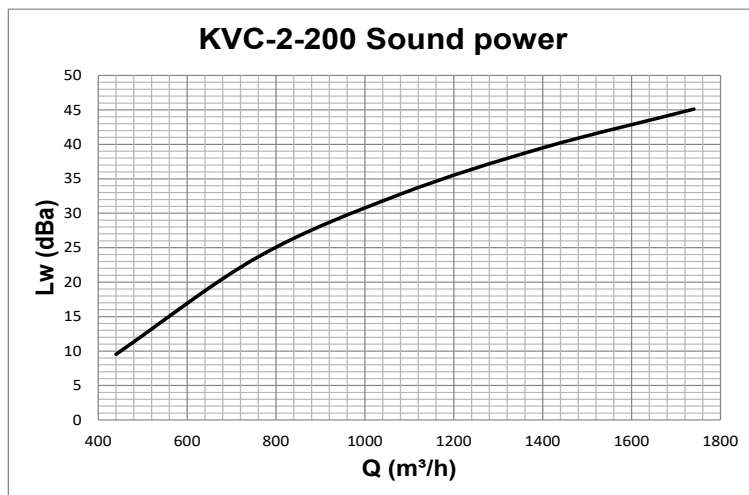
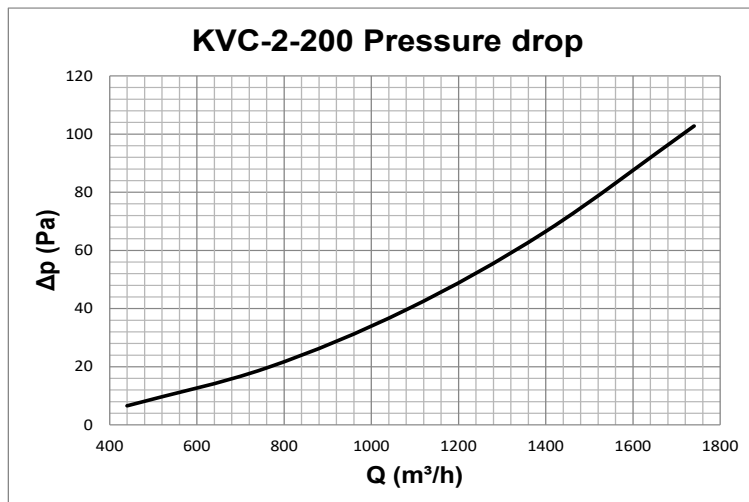
KVC
SERIES

PERFORMANCE
KVC-2-200



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

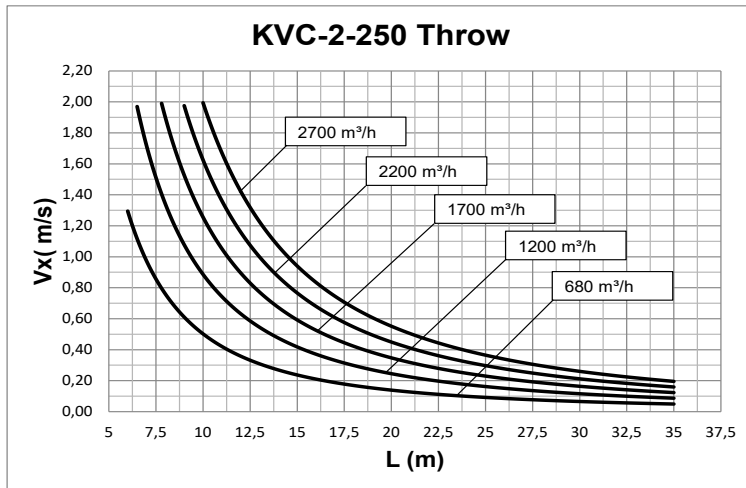
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

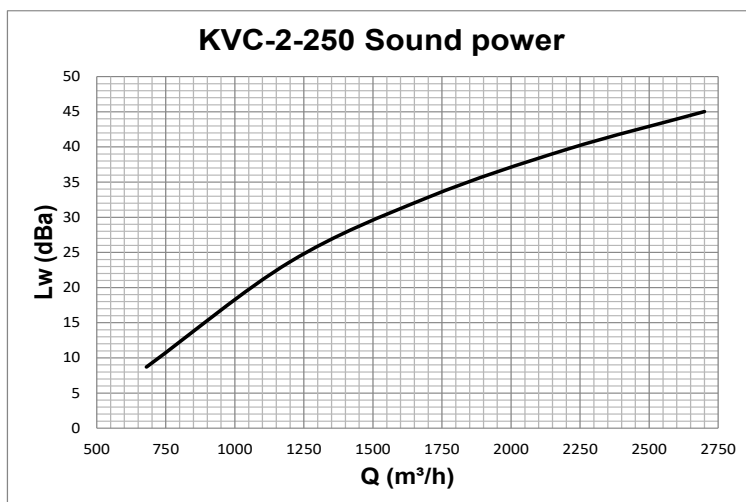
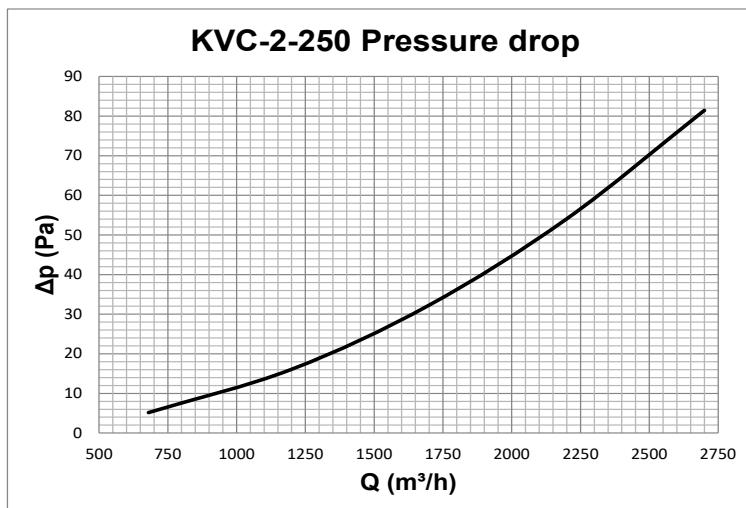
PERFORMANCE
KVC-2-250

KVC
SERIES



Values measured in isothermal 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.



Data measured in reverberation room 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.

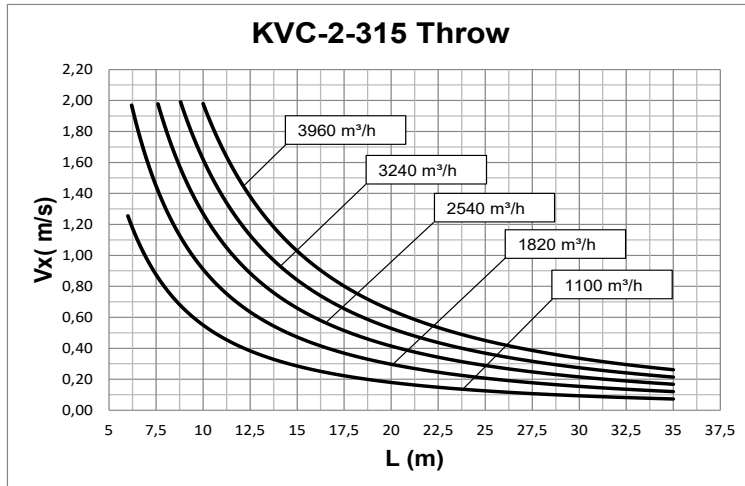
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

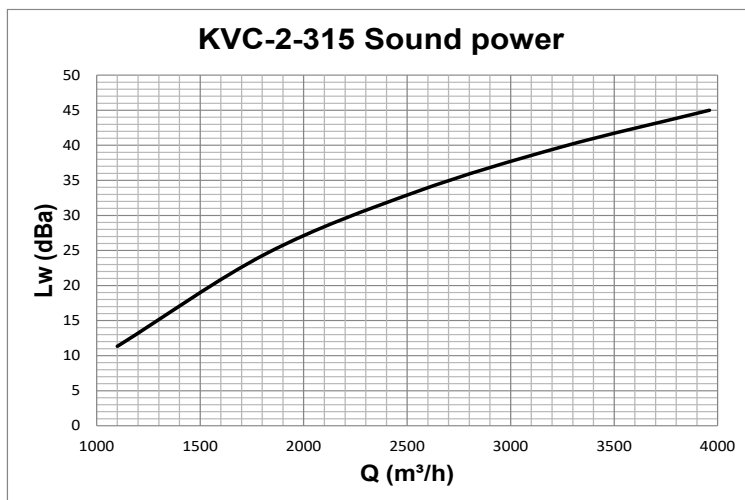
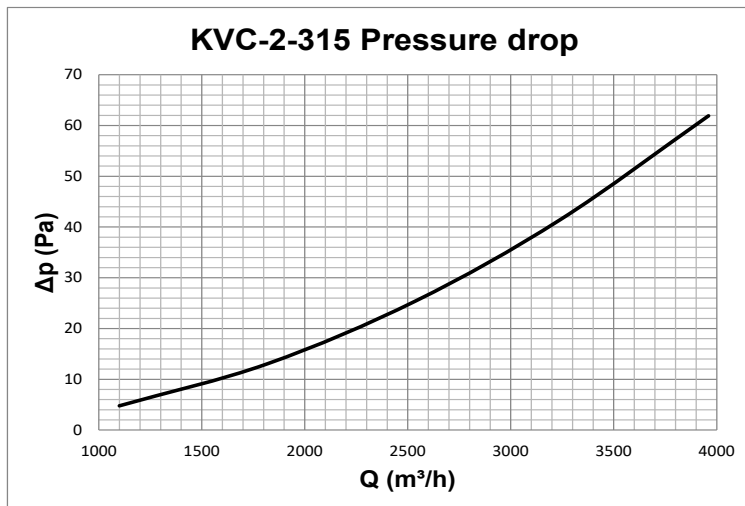
PERFORMANCE
KVC-2-315

KVC
SERIES



Values measured in isothermal 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.



Data measured in reverberation room 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.

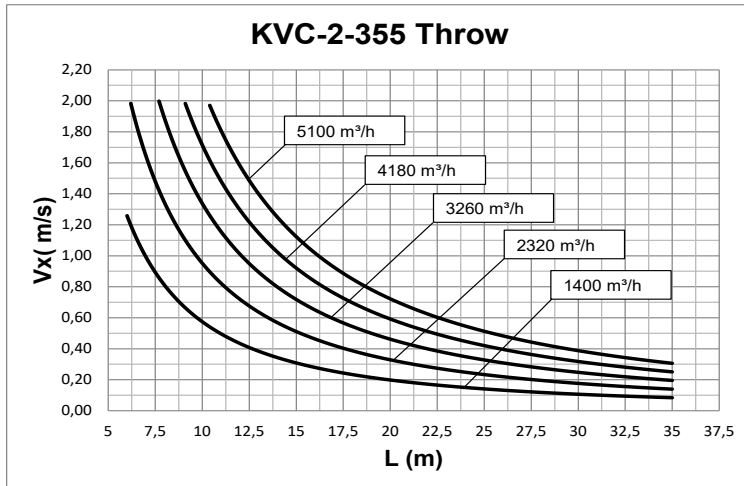
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBA and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

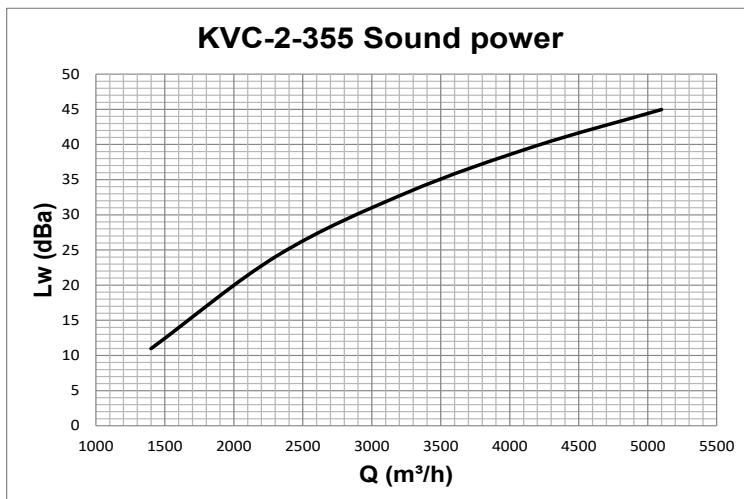
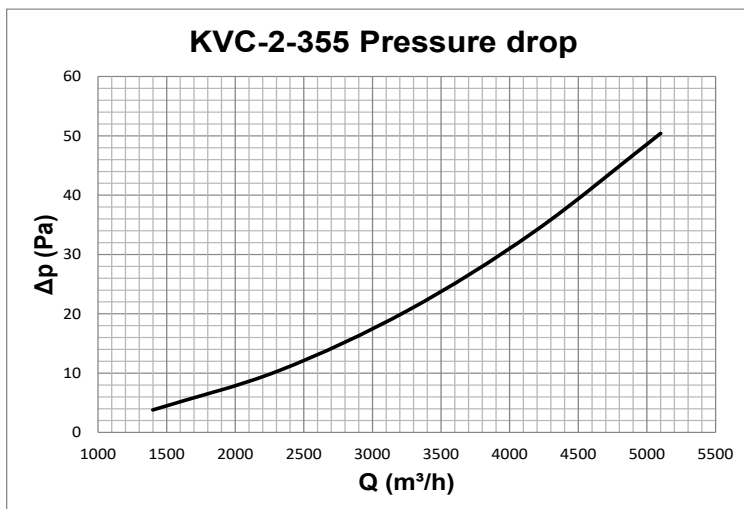
PERFORMANCE
KVC-2-355

KVC
SERIES



Values measured in isothermal 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.



Data measured in reverberation room 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.

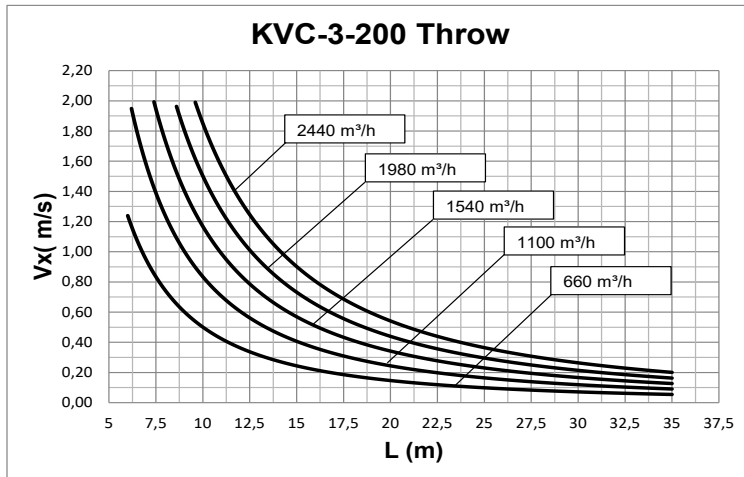
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

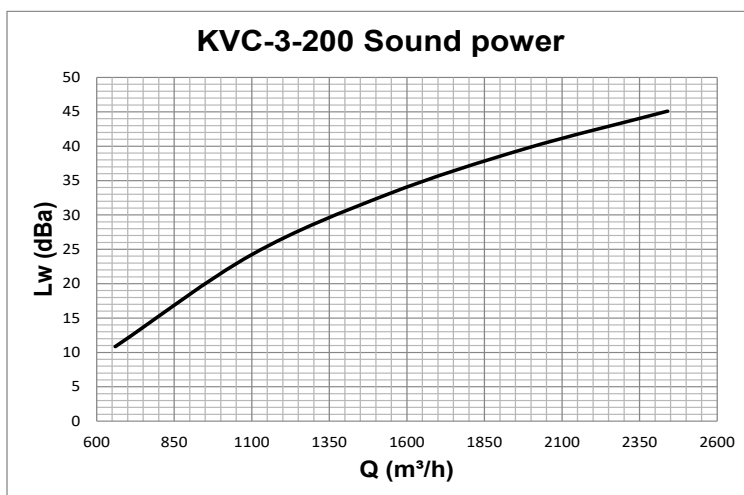
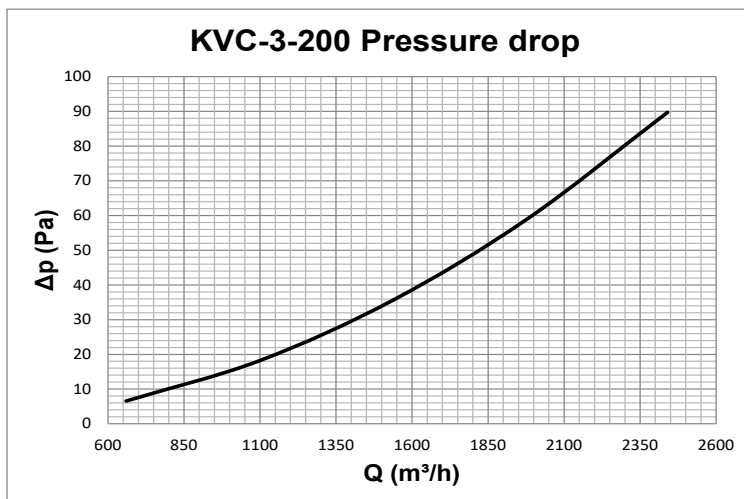
KVC
SERIES

PERFORMANCE
KVC-3-200



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

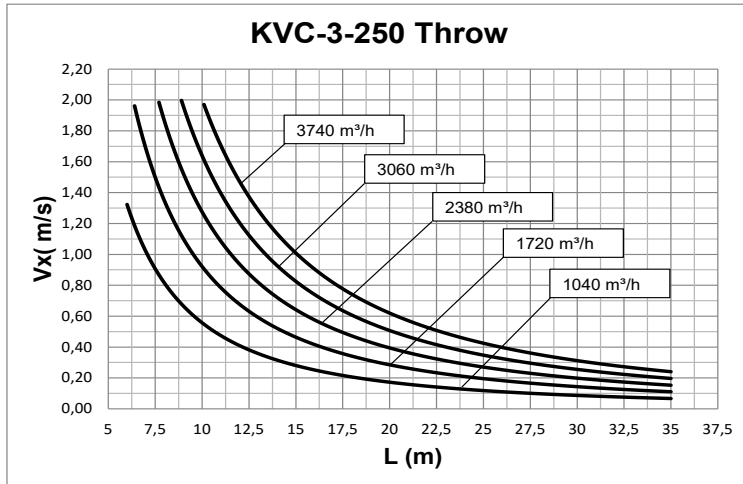
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

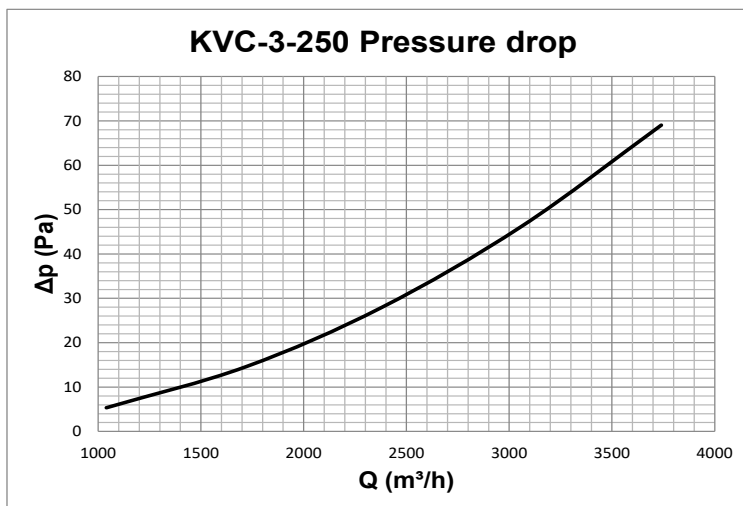
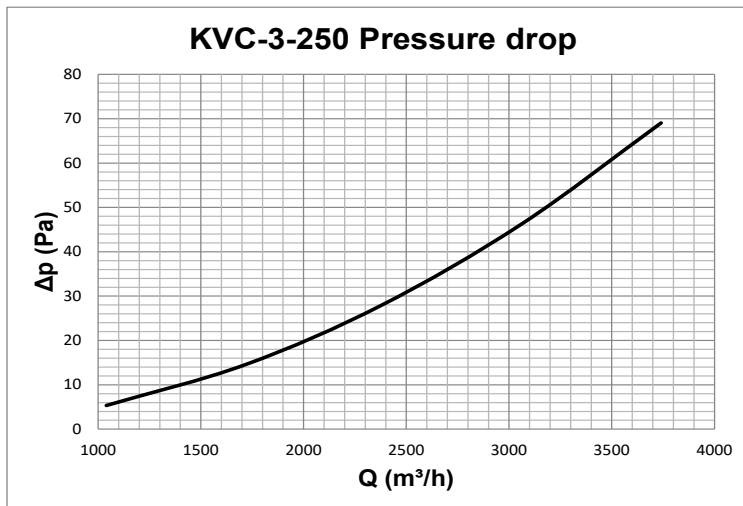
KVC
SERIES

PERFORMANCE
KVC-3-250



Values measured in isothermal 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.



Data measured in reverberation room 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.

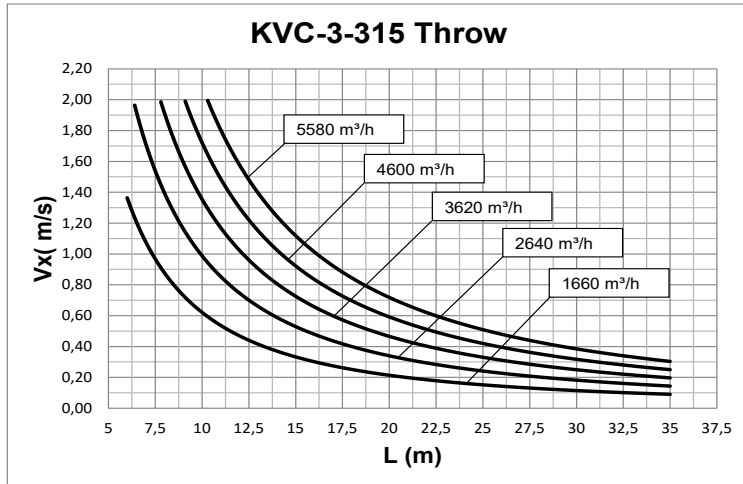
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

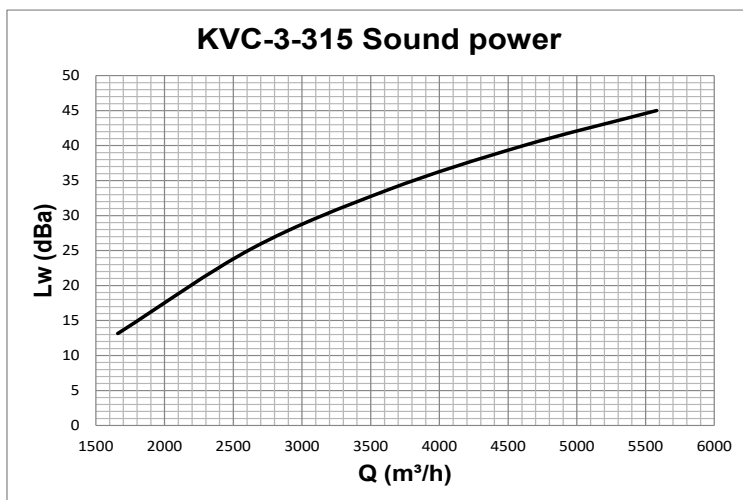
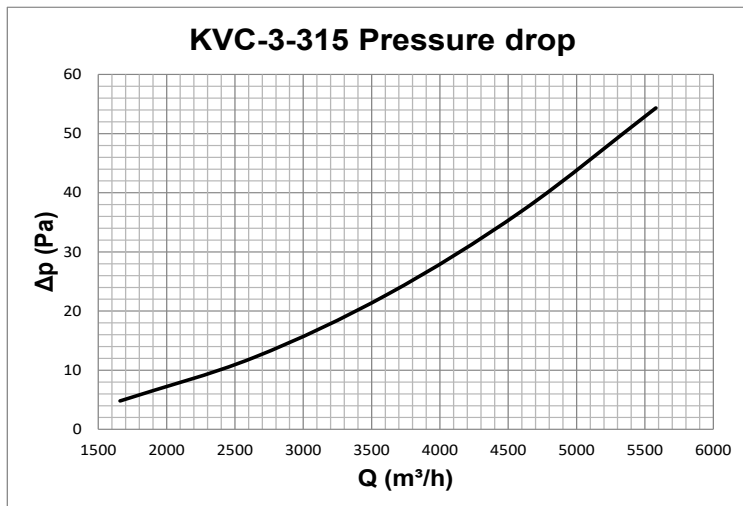
KVC
SERIES

PERFORMANCE
KVC-3-315



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

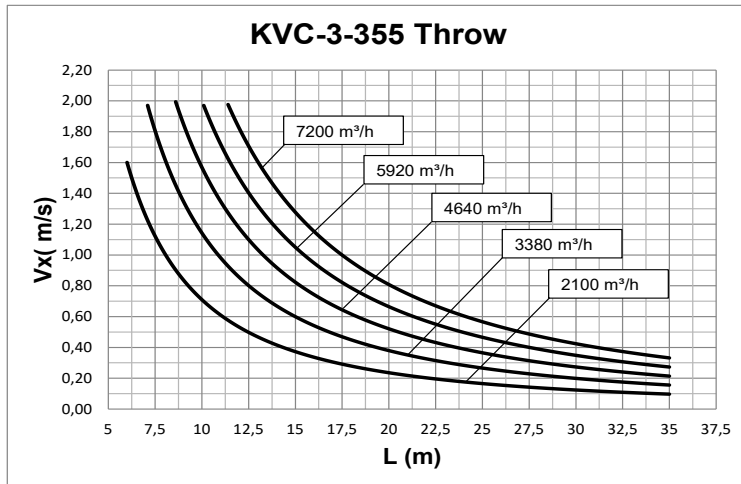
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

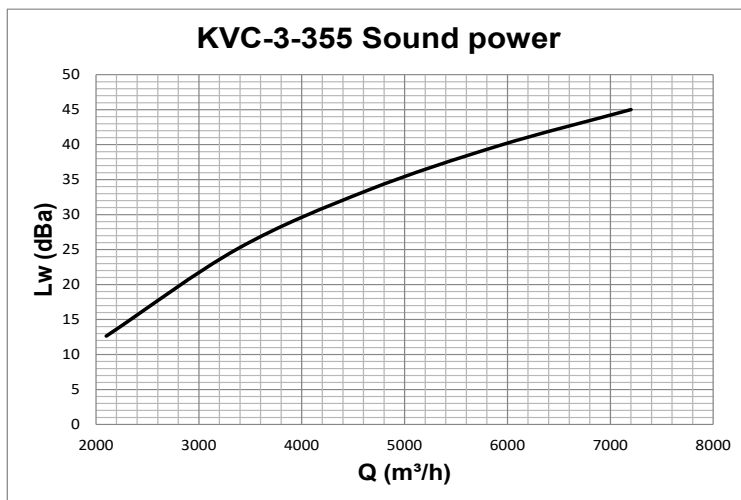
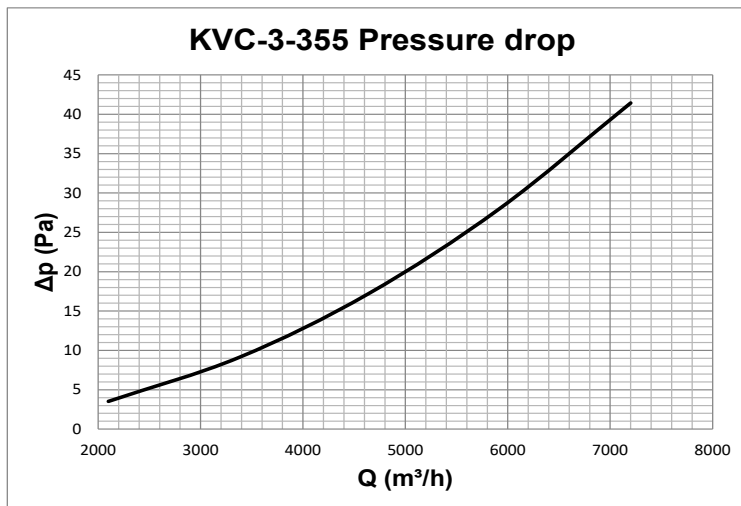
KVC
SERIES

PERFORMANCE
KVC-3-355



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

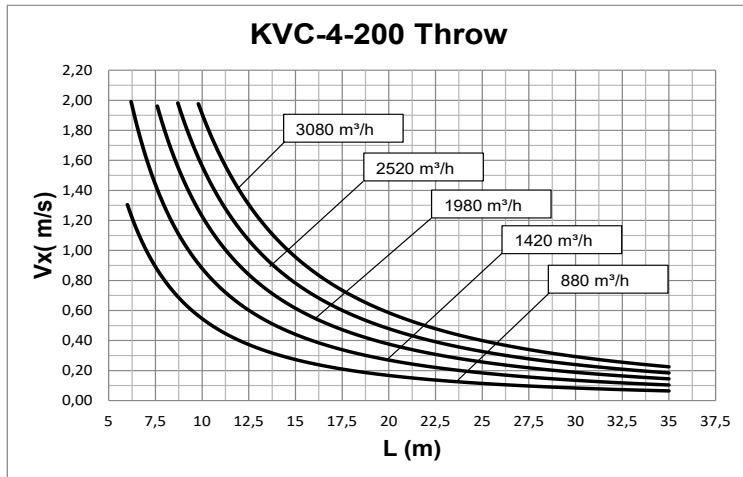
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

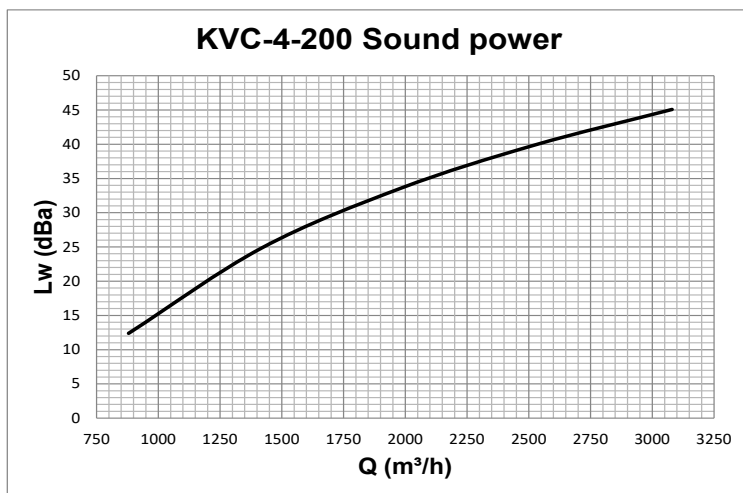
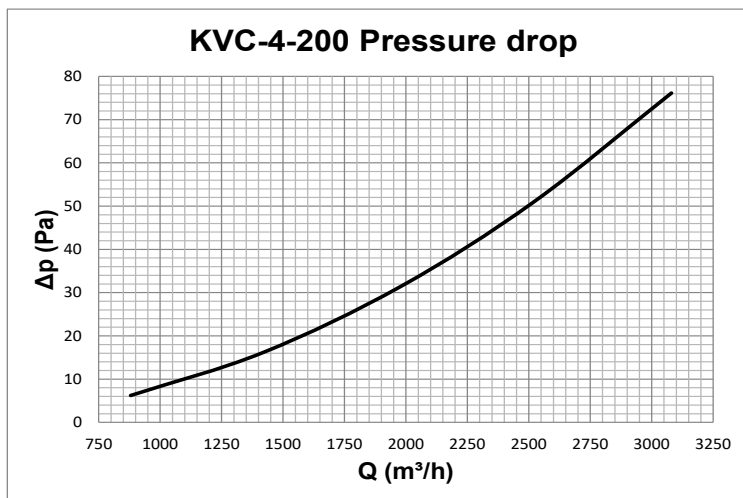
KVC
SERIES

PERFORMANCE
KVC-4-200



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

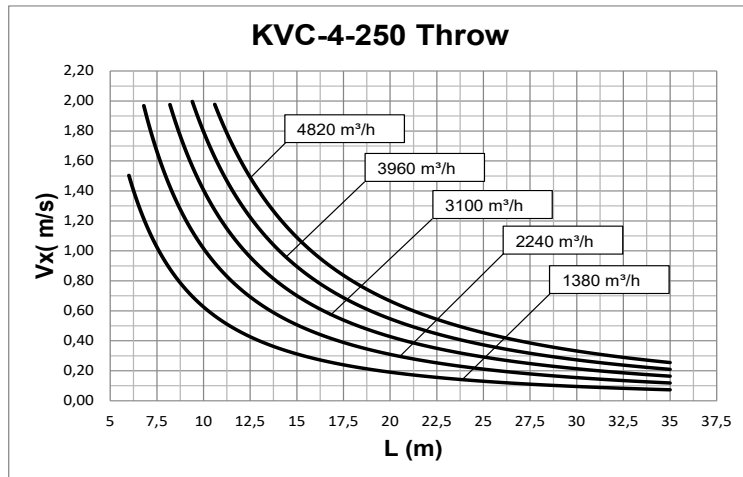
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

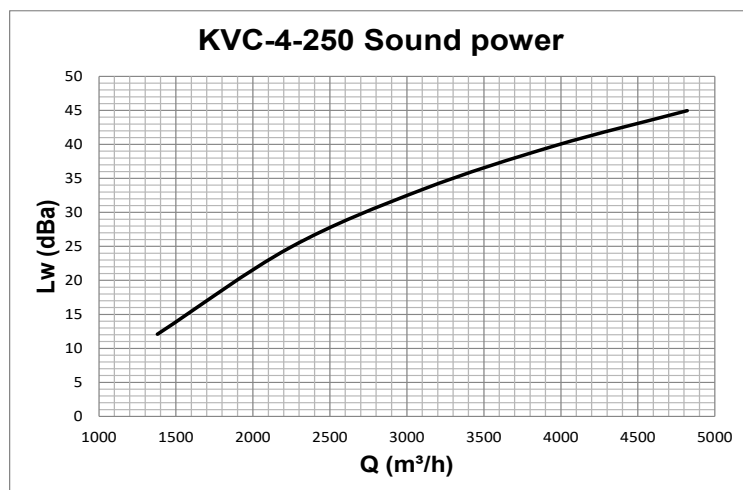
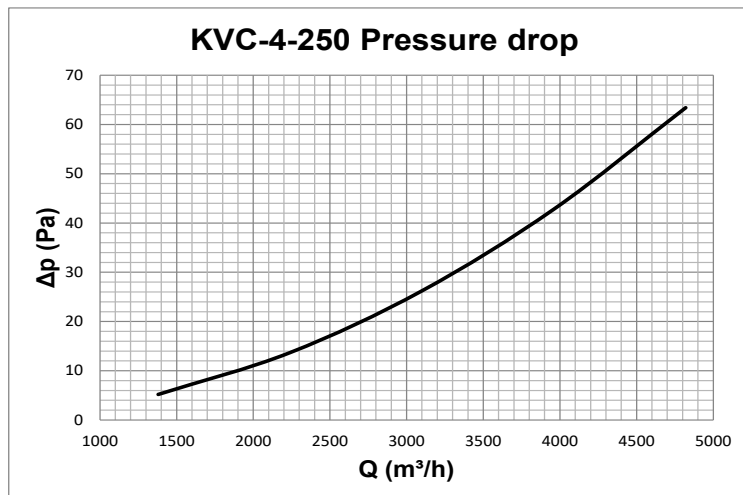
KVC
SERIES

PERFORMANCE
KVC-4-250



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

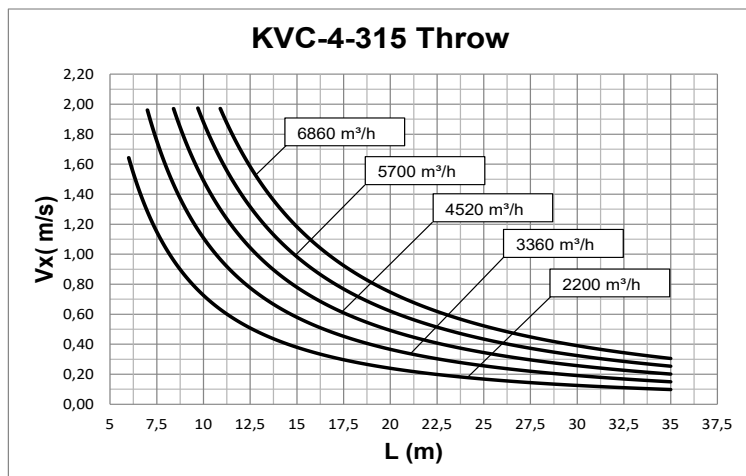
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

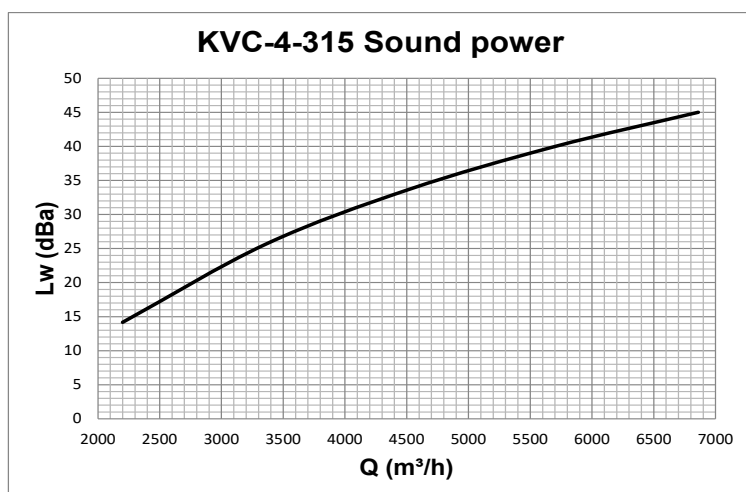
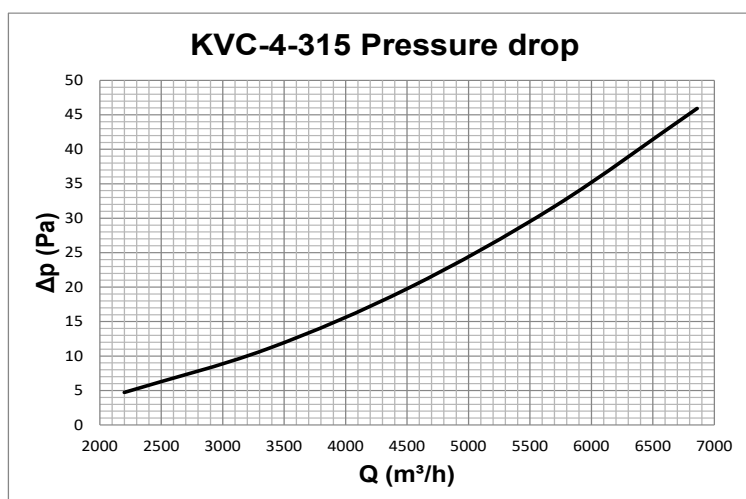
KVC
SERIES

PERFORMANCE
KVC-4-315



Values measured in isothermal 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.*



Data measured in reverberation room 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.*

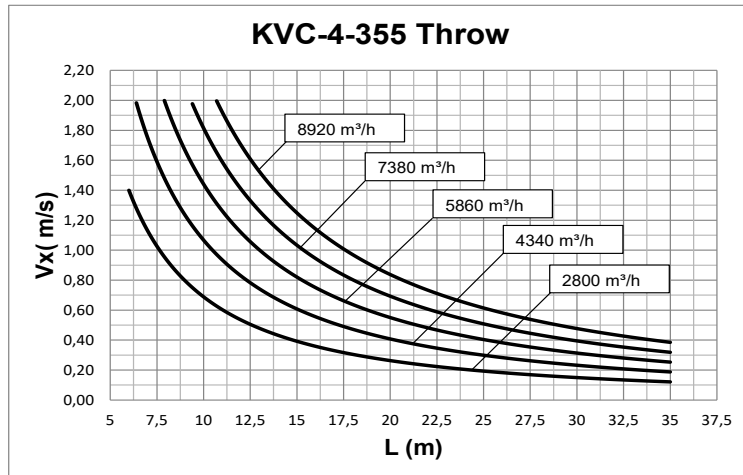
The shown data does not take into consideration the attenuation resulting from the surroundings where the diffuser is installed. Such attenuation is normally included between 6 and 10 dBa and is determined by the size of the surrounding space, its shape and the characteristics of the furniture and room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



LONG THROW CONCENTRIC DIFFUSERS

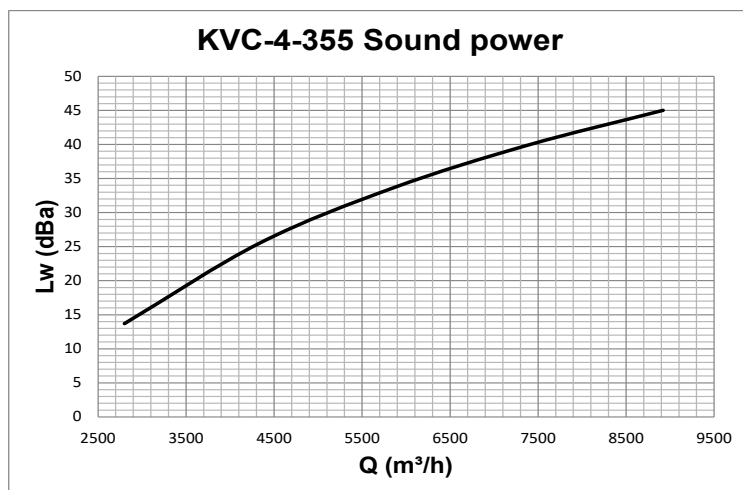
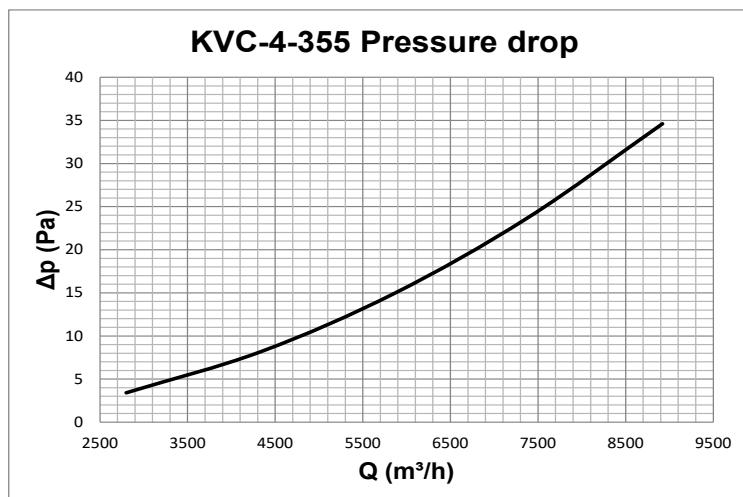
KVC
SERIES

PERFORMANCE
KVC-4-355



Values measured in isothermal 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.*



Data measured in reverberation room 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.



LONG THROW CONCENTRIC DIFFUSERS

KVC
SERIES

ORDERING CODES

