

Introduction

Model KCM Round Ceiling Diffusers have a circular cone with elegant styling to provide maximum air diffusion efficiency.

The performance efficiency of a particular diffuser design is usually judged by the diffuser's ability to rapidly dissipate the air velocities and temperature differential of the supply air before it enters the occupied space.

The KCM is a fixed core round ceiling diffuser designed for both heating and cooling applications. Each of the sizes have different numbers of cones, giving uniformity of appearance where different sizes are used in the same area.

Application

- Recommended for Supply air constant or variable air volume cooling, heating or ventilating systems.
- 360° air pattern delivery maintains horizontal discharge pattern with or without ceiling effect.
- Expanding Cone design provided excellent horizontal air discharge preventing drafts in the occupied zone.
- Suitable to surface mounted or exposed duct installations.
- Return Air use to maintain matched appearance.

Product Features

- Fixed Cone Aluminium Diffusers
- Removable inner core permits easy installation and access
- Concealed core attachment – NO screws
- Powder coated to RAL9010 or any RAL colour upon request

Construction

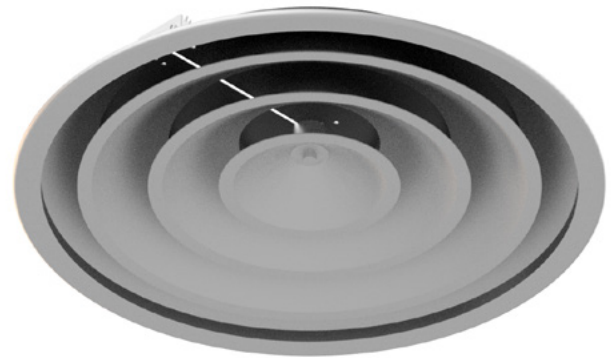
- Frame & inner cores are made of Aluminium.
- Available in wide variety of neck sizes ranging from 150mm up to 500mm.
- Removable inner core
- Foam Gasket seal around the back of the frame to prevent air leakage.

Accessories

- Butterfly Type Volume Control Damper – model VD

Selection Procedure

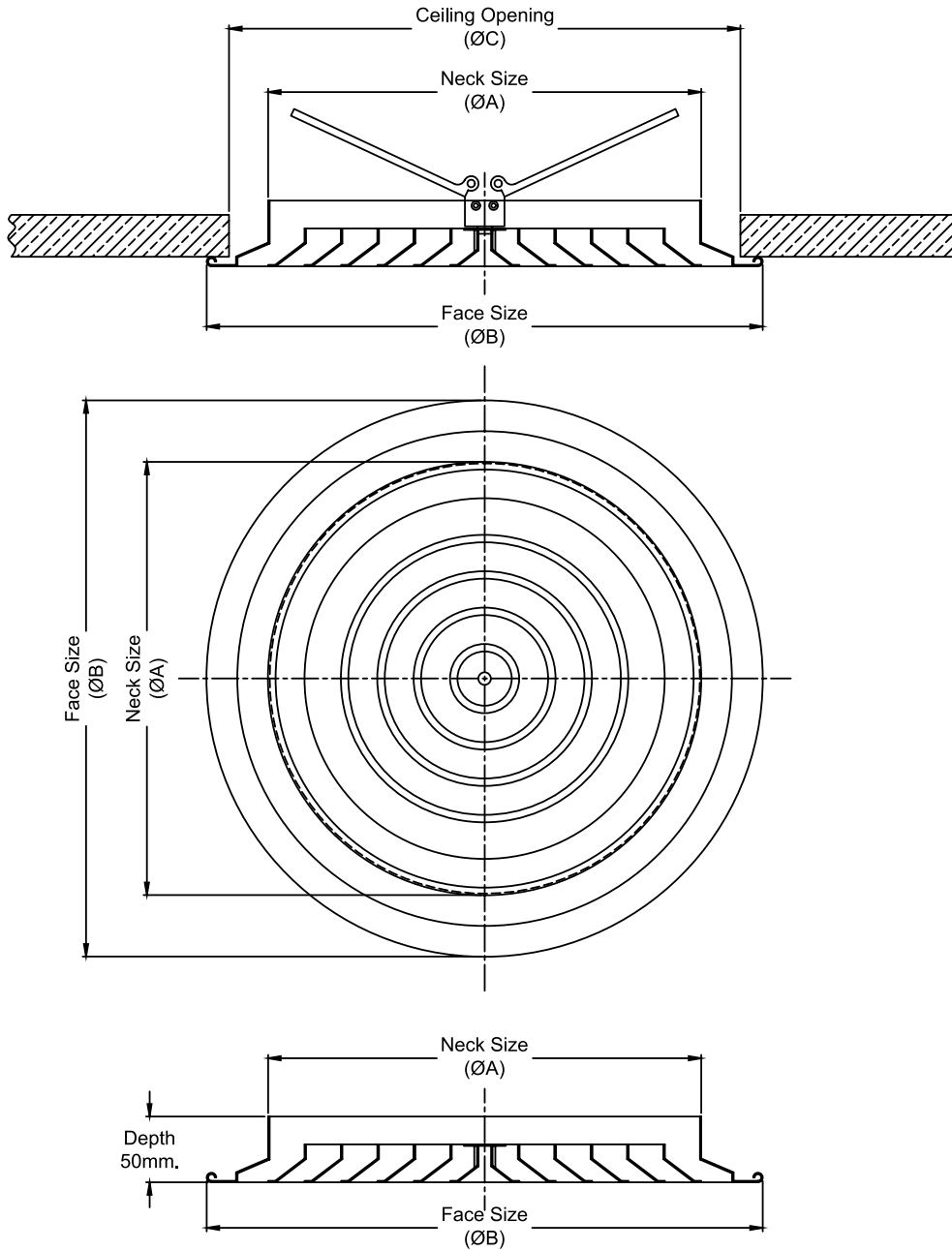
- Selections can be made by means of straight read-off from the "Performance Tables"
- Determine air volume flow rate per outlet.
- Establish the required throw (Refer Notes for Throw Pattern)
- Select the diffuser based on required Air flow rate against the limiting pressure drop and sound level requirements.



Product Selection Check List

- Select Inlet (Diameter) Size based on desired performance requirements.
- Select volume control accessories, if desired (VD)
- Select RAL Colour

Dimensions



Order Size (inches)	Nominal Dia (mm)	Neck Size (mm)	Face Size (mm)	Ceiling Opening (mm)
Dia	Dia	Dia - "ØA"	Dia - "ØB"	Dia - "ØC"
6"	160	158	245	213
8"	200	198	285	264
10"	250	245	332	315
12"	315	315	400	366
14"	355	352	438	417
16"	400	398	482	468
18"	450	448	560	510
20"	500	500	635	590