Circular Floor Diffuser

The Aerotech CFDA series floor diffuser offers Horizontal air patterns.
The slots in the Horizontal displacement outlets are designed to give a swirl spread pattern with induction to achieve low air velocities and low temperature gradients in the occupied areas. This is suitable for both constant and variable flow.

Features

- Strong cast aluminium construction.
- Very high induction rate.
- Quite operation.
- Cleanable
- Distributor basket/dirt trap made of galvanized steel with and without throttle device.
- Easy for installation in conventional raised floor systems.
- Horizontal outlets suitable for displacement ventilation.
- Air velocity adjustable from less than 0.1m/s to 0.55m/s by turning air outlet elements.
- Can be walked over or driven over by a wheel chair.

Accessories

- Distribution baskets/dirt trap
  Manufactured in galvanized perforated steel. With or without circular throttle device.
- Plenum box
  Manufactured in galvanized sheet. Contain a commissioning damper. With or without acoustic insulation and reinforced surface layer.

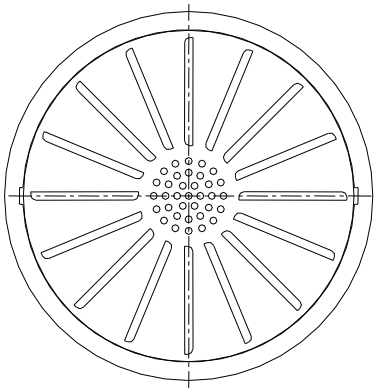
Order Code

CFDA – D – 200 – [ ]

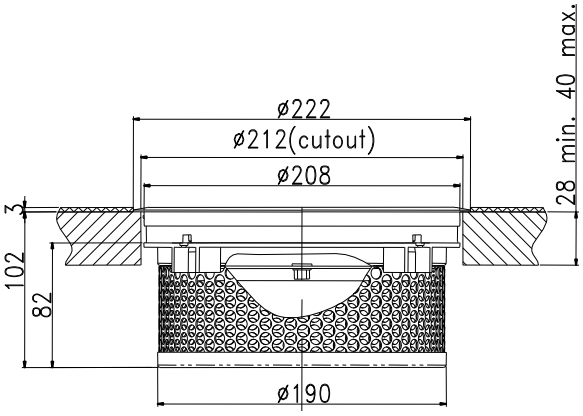
- 200: Size
- [ ]:
  - DBP: Distribution basket
  - DBPD: Distribution basket with throttle devise
  - PB-X: Plenum box

Circular Floor Diffuser

Dimension



Plan View of CFDA-D (Horzontal Displacement Unit)

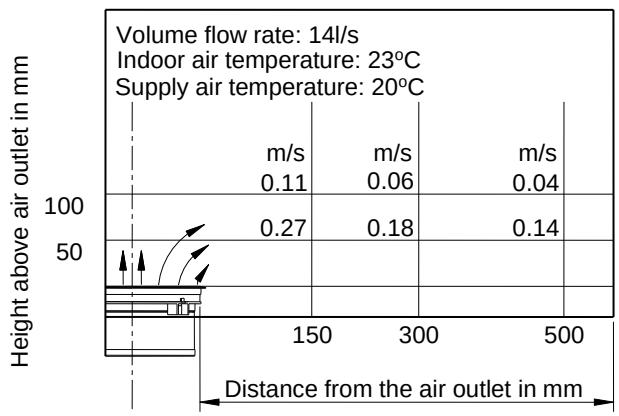


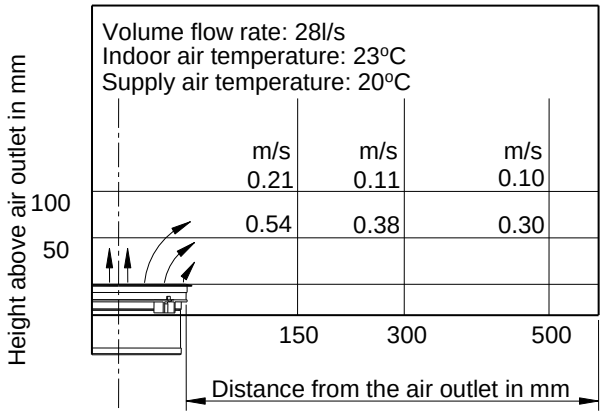
Side View

Performance Data

Model: CFDA-D (Horzontal Displacement Unit)

Air Velocity above the Floor





Performance Data

Model: CFDA-D (Horzontal Displacement Unit)

Air Flow – Pressure Drop – Sound Data

Flow Rate (l/s)	Sound Power Level in dB re 10^{-12}W								Total Pressure Drop (Pa)
	63	125	250	500	1000	2000	4000	dBA	
15	21	18	16	-	-	-	-	13	8
20	30	27	25	19	17	-	-	22	13
25	35	32	30	24	22	-	-	27	20
28	39	36	34	28	26	12	-	31	25

Insertion Loss in dB

Octave Band Center Frequency in Hz							Mean Value
63	125	250	500	1000	2000	4000	
5	7	8	9	5	7	19	10

Note: Sound power level and pressure loss pertain to use of distribution basket with throttle devise at fully open position.