



EFFECTIVE

ADJUSTABLE

AESTHETIC

Ceiling Diffuser IDA

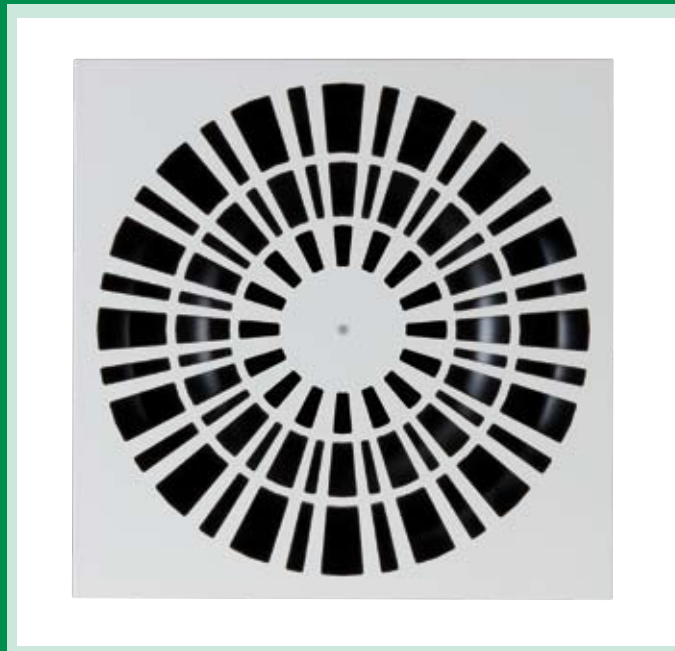
• for cooling and heating large halls

Air diffusers

Air to water systems
Ventilation grille
Fire prevention
Sound insulation

Building control system
Living space ventilation
Shut-off devices

Control units
Filter diffusers
Laboratory ventilation
systems



For quick and effective heating and for draught-free cooling

The new ceiling diffuser IDA is an adjustable comfort diffuser for installation flush with the ceiling for cooling and heating large halls up to 8 m in height. In order to prevent draughts in cooling mode, the supply air must largely be discharged horizontally from the diffuser. However in heating mode, the diffuser must be able to project the warm supply air vertically downward to achieve fast and efficient heating. The diffuser type IDA meets both these requirements ideally.

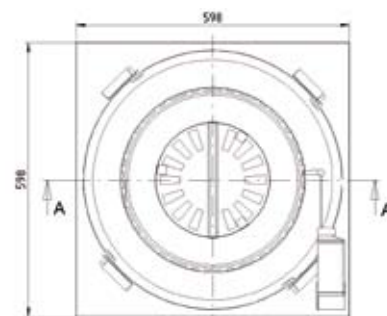
For fast and effective heating, the supply flow is adjusted manually or by means of a motor in such a way that a very compact supply jet is discharged from the diffuser vertically. The resulting large penetration depth allows a quick and energy-efficient heating phase.

In cooling mode, the supply air is discharged from the diffuser horizontally, resulting in efficient reduction of the temperature difference and the velocity. This allows draught-free air-conditioning.

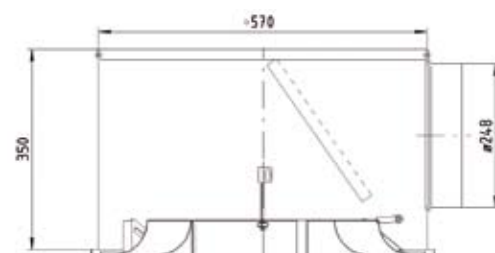
Further properties:

- Suitable for temperature differences of -8 K to +10 K.

| Quick selection chart IDA 600 | | |
|-------------------------------|---|--------------|
| L _{wa} [dB(A)] | V _{supply} [m ³ /h] Damper OPEN-100% | |
| | Cooling mode | Heating mode |
| 25 | 580 | 728 |
| 30 | 709 | 862 |
| 35 | 867 | 1022 |
| 40 | 1060 | 1214 |
| 45 | 1297 | 1443 |
| 50 | 1586 | 1715 |



Ceiling Diffuser IDA 600 without plenum box



Section A-A including plenum box