

MODUBOOT AIR DIFFUSERS

Air treatment 35BD/SR

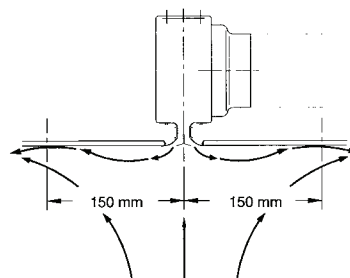


Accessories

- Return air diffusers
- Dummy diffusers
- Diffuser end trim strips
- Alignment channels
- Mounting brackets

Features

- Linear diffusers with high induction, specially designed to be connected to the Carrier 42GR Air Treatment Modules, 42BJ Individual Comfort Modules, 42EM Atmosphaera and 42DW ducted fan coil units.
- Two main types:
 - AG and AH profiles, two slots one-way and two-way blow for cold air diffusion and return air.
 - FH, SH, XH, LH profiles: two to five slots with Optimix damper for cold and warm air diffusion.
- 35BD models have a supply or return air Moduboot, 35SR models have a supply and return air Moduboot.
- 35BD – 19 diffuser profiles with two to five slots, and one-way or two-way blow for cold air diffusion or return air.
- 35SR – 17 diffuser profiles with three to five slots for cold and warm air diffusion.
- Four nominal lengths: 600 – 1200 – 1350 – 1500 mm for the 35BD and 1200 – 1350 – 1500 – 1800 mm for the 35SR.
- Choice of models allows air throw adjustment according to the required air flow.
- Damper position of the Optimix diffuser changes automatically with the primary air temperature.
- Comprises a galvanized sheet metal plenum with 13 mm thick fibreglass acoustic and thermal internal insulation.
- Aerodynamic diffuser design provides uniform air distribution without disturbing draughts.
- From fully cold to fully warm position, the damper operation provides adjusted air diffusion to ensure optimum comfort in the occupied space.



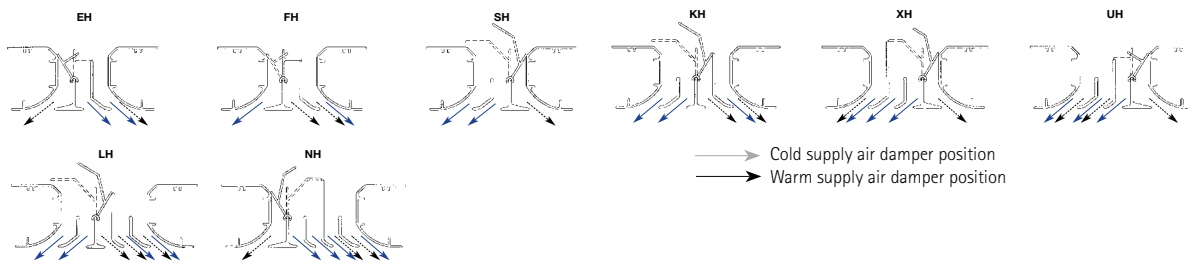
35BD supply or return air

| Model | No. of slots | Duct diameter mm | Nominal diffuser length mm | Plenum length mm | Overall height mm |
|-------|--------------|------------------|----------------------------|------------------|-------------------|
| AG | 2 | 159/199 | 600 | 473 | 270.4 |
| | 2 | 159/199 | 1200 | 939 | 270.4 |
| | 2 | 159/199 | 1500 | 1235 | 270.4 |
| AH | 2 | 199 | | | |
| VH/MH | 3 | 199 | 600 | 539 | 280.8 |
| GH/JH | 4 | 199 | 1200-1350 | 1139 | 280.8 |
| BH/QH | 5 | 199 | 1500 | 1439 | 280.8 |
| CH | 5 | 199 | | | |

35BD supply or return air Optimix

| Model | No. of slots | Duct diameter mm | Nominal diffuser length mm | Plenum length mm | Overall height mm |
|-------|--------------|------------------|----------------------------|------------------|-------------------|
| SH | 3 | 199 | | | |
| EH/FH | 3 | 199 | 1200-1350 | 1139 | 280.8 |
| KH/XH | 4 | 199 | 1500 | 1439 | 220.8 |
| UH | 4 | 199 | | | |
| LH/NH | 5 | 199 | | | |

Optimix diffuser profiles



35SR supply/return air

| Model | No. of slots | Duct diameter mm | Nominal diffuser length mm | Plenum length mm | Supply section length mm | Return section length mm | Overall height mm |
|-------|--------------|------------------|----------------------------|------------------|--------------------------|--------------------------|-------------------|
| VH/MH | 3 | 159/199* | | | | | |
| GH | 4 | 159/199** | 1200-1350 | 1139 | 742 | 388 | 280.8 |
| JH | 4 | 159/199** | 1500 | 1439 | 867 | 563 | 280.8 |
| CH/QH | 5 | 159/199*** | 1800 | 1739 | 1067 | 663 | 280.8 |
| BH | 5 | 159/199*** | | | | | |

* 159 mm for diffuser length 1200-1350 mm only

** 159 mm for diffuser length 1500 mm only

*** 159 mm for diffuser length 1800 mm only

35SR supply/return air Optimix

| Model | No. of slots | Duct diameter mm | Nominal diffuser length mm | Plenum length mm | Supply section length mm | Return section length mm | Overall height mm |
|-------|--------------|------------------|----------------------------|------------------|--------------------------|--------------------------|-------------------|
| EH/FH | 3 | 199 | | | | | |
| SH | 3 | 199 | | | | | |
| XH | 4 | 199 | 1200-1350 | 1139 | 742 | 388 | 280.8 |
| UH | 4 | 199 | 1500 | 1439 | 867 | 563 | 280.8 |
| KH | 4 | 199 | 1800 | 1739 | 1067 | 563 | 280.8 |
| LH | 5 | 199 | | | | | |
| NH | 5 | 199 | | | | | |

Other diffuser profiles

