

RY Transfer Grille



ASLI RY is a type of grille with inverted-V blade design which light is not permitted to penetrate through the grille.

Materials

RY-A

Frame : Extruded aluminium A6063.
Blade : Extruded aluminium A6063.

Surface Finish

Baked white powder coated.
Other available upon request.

Size

All sizes are available upon request.

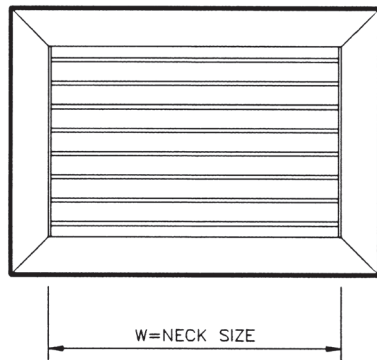
Features

- Sight-proof core design.
- Widely used in doors and partitions to allow air flow into or out of space. They are also used in theatres or dark room where light is not permitted to penetrate through the grille.
- The grille will come in more sections for blade length that is more than 600mm.
- Approximately 59% free area.

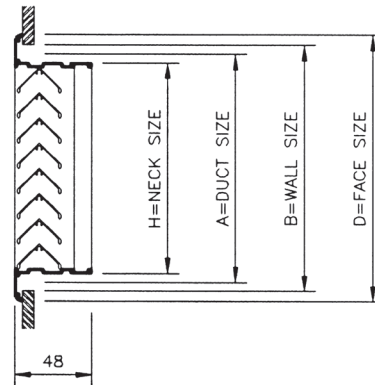
Accessories

- C1 Radial fan Blade damper
- C2 Crown damper
- D2 Adapter
- G1 Opposed blade damper
- IS Insect nettings

RY Physical Dimension Unit : mm



Top View



Sectional View

| Model | A Duct Size | B Wall Size | D Face Size |
|-------|----------------|----------------|----------------|
| RY-A | W+10 H+10 | W+20 H+20 | W+54 H+54 |

RY Transfer Grille

RY Performance Data

| Neck Size Area (m ²) | Neck Size (mm x mm) | Neck Vel. (m/s) | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 |
|----------------------------------|------------------------|------------------|------|------|------|------|------|------|------|
| | | Vel. Press(mmAq) | 0.16 | 0.25 | 0.4 | 0.55 | 0.75 | 1.0 | 1.25 |
| | | Neg. SP(mmAq) | 3.4 | 5.9 | 9.3 | 13.3 | 18.1 | 23.6 | 29.8 |
| 0.025 | 250 x 100 | CMH | 135 | 180 | 225 | 270 | 315 | 360 | 405 |
| | 200 x 125 | NC | 29 | 38 | 46 | 50 | 56 | 58 | 62 |
| 0.03 | 300 x 100 | CMH | 162 | 216 | 270 | 324 | 378 | 432 | 486 |
| | 200 x 150 | NC | 30 | 40 | 47 | 51 | 57 | 59 | 63 |
| 0.04 | 400 x 100 | CMH | 216 | 288 | 360 | 432 | 504 | 576 | 648 |
| | 250 x 150 | NC | 31 | 41 | 48 | 53 | 58 | 60 | 64 |
| 0.045 | 350 x 125 | CMH | 243 | 324 | 405 | 486 | 567 | 648 | 729 |
| | 300 x 150 | NC | 32 | 42 | 49 | 54 | 58 | 61 | 65 |
| 0.05 | 350 x 150 | CMH | 270 | 360 | 450 | 540 | 630 | 720 | 810 |
| | 250 x 200 | NC | 32 | 42 | 49 | 54 | 58 | 61 | 65 |
| 0.06 | 600 x 100 | CMH | 324 | 432 | 540 | 648 | 756 | 864 | 972 |
| | 400 x 150 | NC | 33 | 43 | 50 | 54 | 59 | 62 | 66 |
| 0.075 | 600 x 125 / 350 x 200 | CMH | 405 | 540 | 675 | 810 | 945 | 1080 | 1215 |
| | 500 x 150 / 300 x 250 | NC | 34 | 43 | 50 | 54 | 59 | 63 | 67 |
| 0.09 | 700 x 125 / 400 x 200 | CMH | 486 | 648 | 810 | 972 | 1134 | 1296 | 1458 |
| | 550 x 150 / 350 x 250 | NC | 34 | 44 | 50 | 55 | 60 | 64 | 68 |
| 0.1 | 750 x 125 / 450 x 200 | CMH | 540 | 720 | 900 | 1080 | 1260 | 1440 | 1620 |
| | 660 x 150 / 400 x 250 | NC | 35 | 45 | 50 | 56 | 61 | 65 | 69 |
| 0.12 | 900 x 125 / 450 x 250 | CMH | 648 | 864 | 1080 | 1296 | 1512 | 1728 | 1944 |
| | 750 x 150 / 350 x 300 | NC | 36 | 45 | 51 | 57 | 62 | 66 | 70 |
| 0.128 | 850 x 150 / 500 x 250 | CMH | 691 | 922 | 1152 | 1382 | 1612 | 1843 | 2073 |
| | 600 x 200 / 400 x 300 | NC | 36 | 46 | 51 | 57 | 62 | 66 | 70 |
| 0.135 | 1200 x 125 / 450 x 300 | CMH | 729 | 972 | 1215 | 1458 | 1700 | 1944 | 2187 |
| | 900 x 150 / 400 x 350 | NC | 36 | 46 | 51 | 57 | 62 | 66 | 70 |
| 0.18 | 900 x 200 / 600 x 300 | CMH | 972 | 1296 | 1620 | 1944 | 2268 | 2592 | 2916 |
| | 750 x 250 / 450 x 400 | NC | 36 | 46 | 51 | 57 | 62 | 66 | 70 |
| 0.27 | 750 x 350 / 600 x 450 | CMH | 1458 | 1944 | 2430 | 2915 | 3402 | 3888 | 4374 |
| | 660 x 400 / 550 x 500 | NC | 36 | 46 | 51 | 57 | 62 | 66 | 70 |
| 0.36 | 1200 x 300 / 750 x 450 | CMH | 1944 | 2592 | 3240 | 3888 | 4536 | 5184 | 5832 |
| | 900 x 400 / 600 x 600 | NC | 46 | 46 | 52 | 58 | 63 | 67 | 72 |

• NC value is based on a room absorption of 10 dB, re 10⁻¹² watts.

RY Order Code

| Model | Material | Accessories | Face Size | Neck Size |
|-------|----------|-------------|-------------|-------------|
| RY | A | IS | B 304 x 154 | N 250 x 100 |

Example : RY - A + IS - B 304 x 154, N 250 x 100