

E-H1

Outlet grille for roof with curved blades 1 direction.



Description E-H1

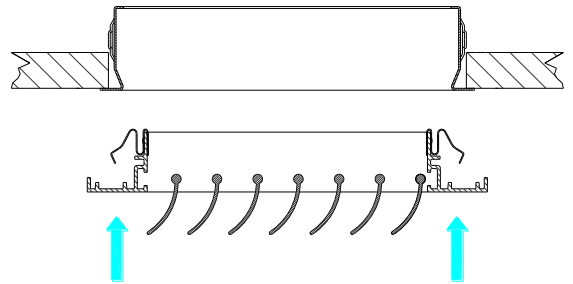
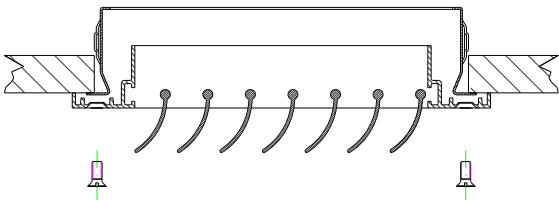
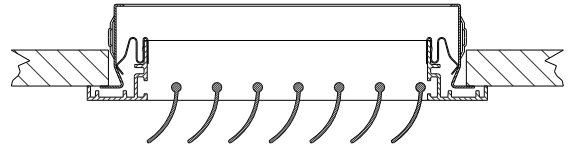
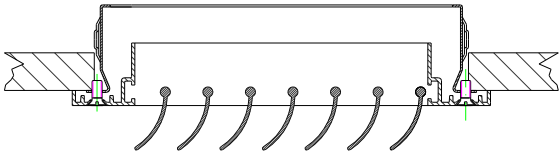
E-H1: Outlet grille for roof, with mobile blades to one direction manufactured with extruded aluminium profiles.

Fixtures:

- ✓ Springs with frame E-MM, E-MAM, E-CLIPO or mountable plenums E-PLEKIT
- ✓ Bolts with frame E-MM, E-MAM or E-TACO.
- ✓ Screws with frame E-MM.

Finish: Anodized or white aluminium. It can be supplied in other colours on request.

Fixtures E-H1

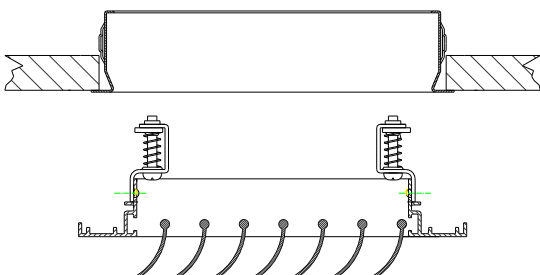
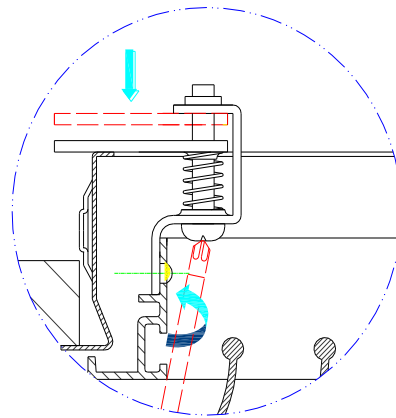
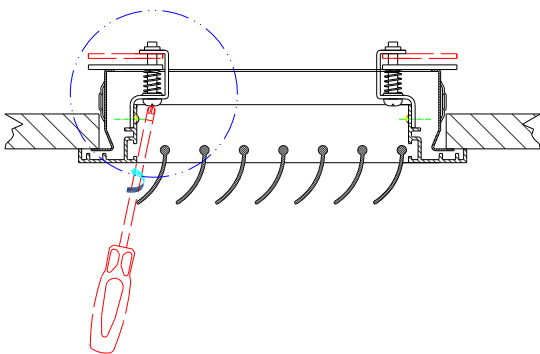


Screws:

1. Place the frame in the wall cavity
2. Position the grille and mark the holes to be made.
3. Drill the frame and the wall at the points marked.
4. Place the grille and screw it down

Springs:

1. Place the frame in the wall cavity.
2. Position the grille in the frame.
3. Press until the springs are fixes.



Bolts:

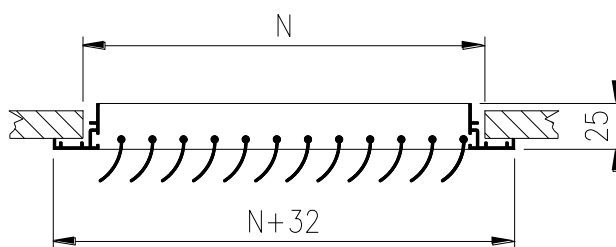
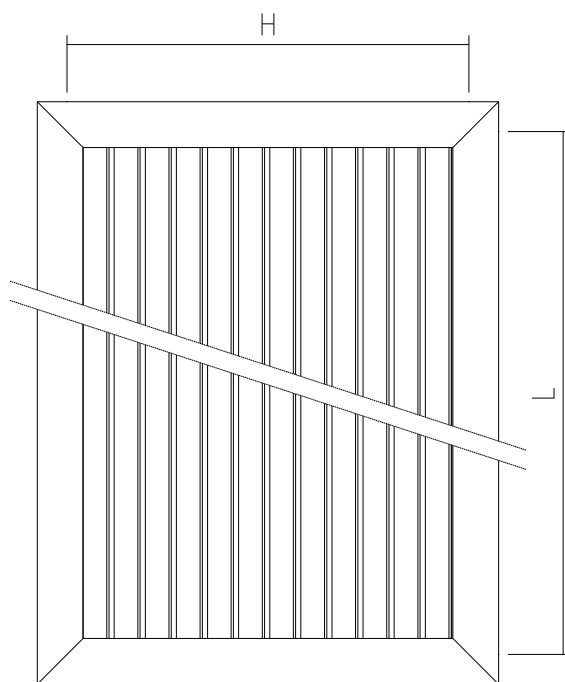
1. Place the bolts with the folded blades and position the grill inside the frame.
2. Unscrew each bolts' screw until the tabs are further behind than the frame (this operation may be performed before placing the grille)
3. Turn the bolt's screw in the opposite direction. The tab will lift on the first quarter turn. Then approach the E-MM frame until "making a sandwich" with it.



Dimensions E-H1

The nominal dimensions are established by the L and H heights which coincide with the size of the hole necessary to install the grille.

| Size of the hole | |
|------------------|---------------------|
| Without frame | L x H |
| With frame | (L + 12) x (H + 12) |

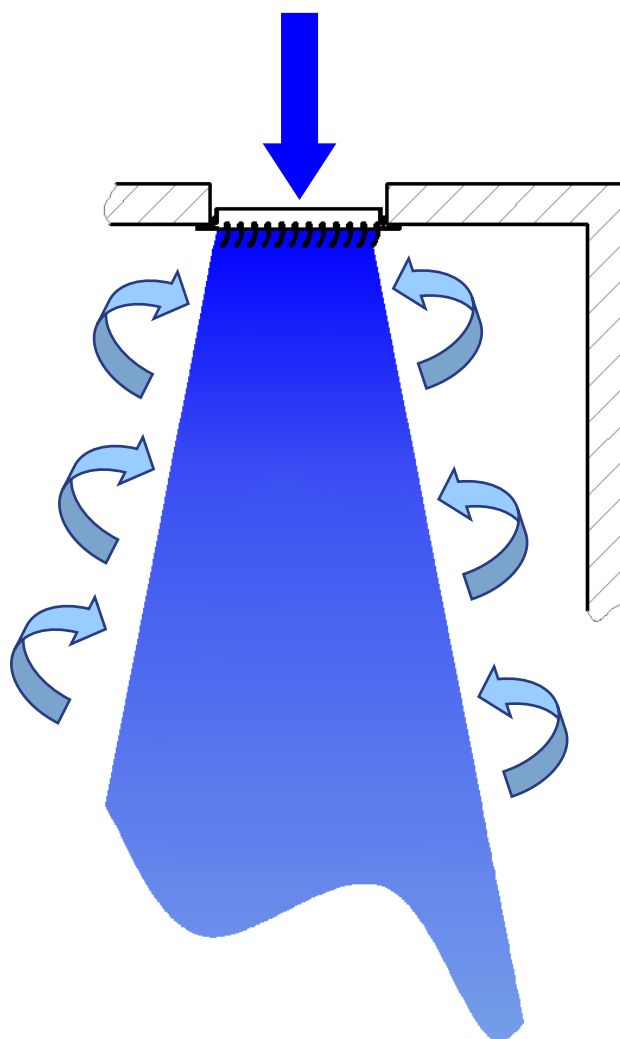
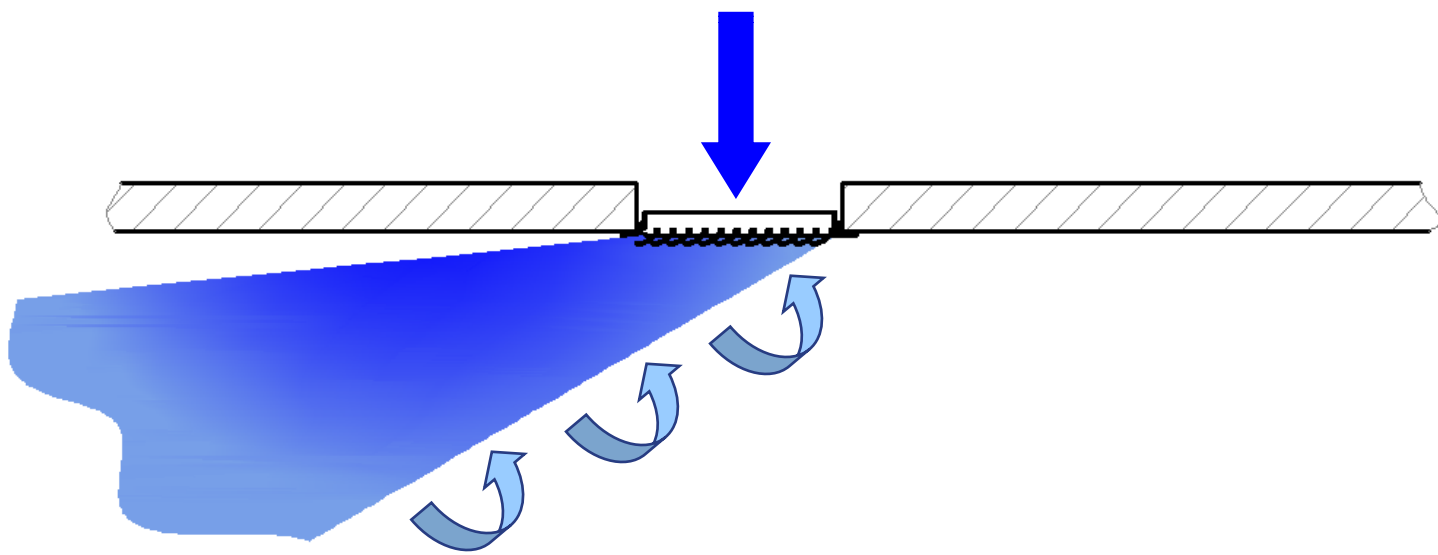


| H \ L | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 100 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 150 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 200 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 250 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 300 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 350 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 400 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 450 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 500 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

Note: The dimensions indicated on the table are standard. Other grilles of larger or intermediate sizes can be manufactured on request.

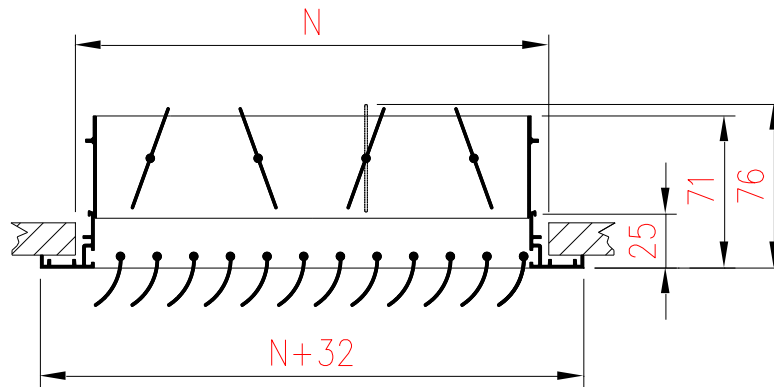


Air diffusion E-H1





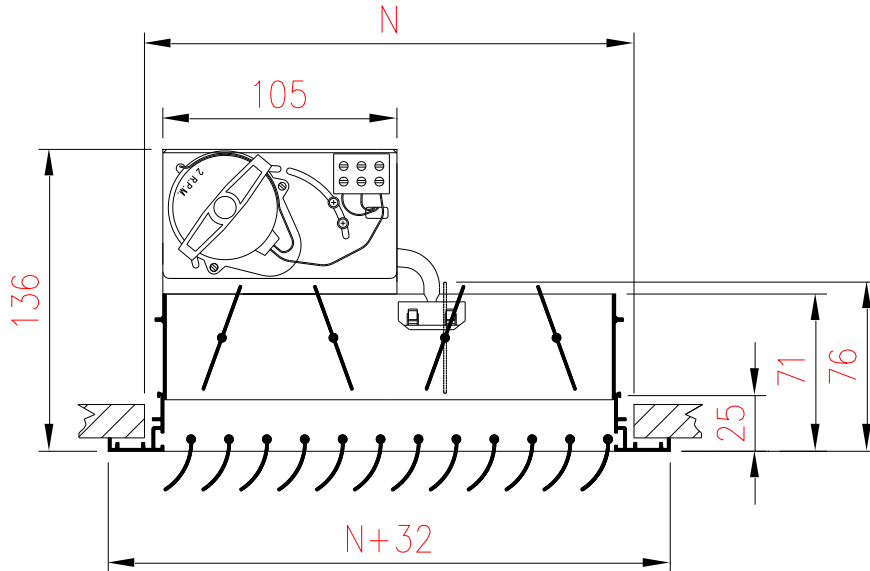
Accessories E-H1



E-R

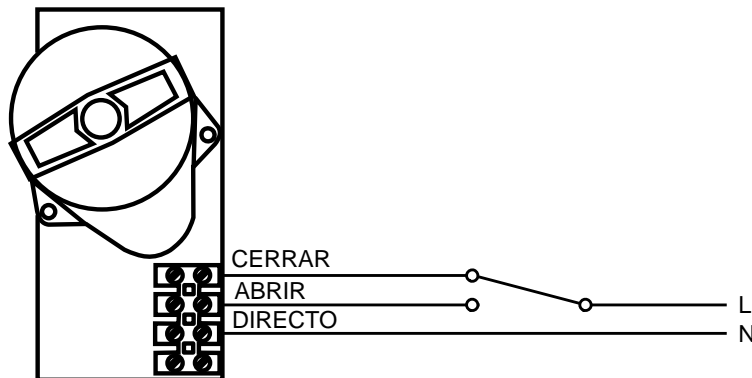
E-R: Opposed blades flow regulation valve, made with aluminium profiles. In this closing position the blades are totally flat, while when in open position the blades are parallel to the air flow.

The opening and closing of the flow regulation is performed through a manually operated crown wheel.



E-RM

E-RM: Motorization of the regulation valve can be 24 V or 220 V, according to that specified on the order.

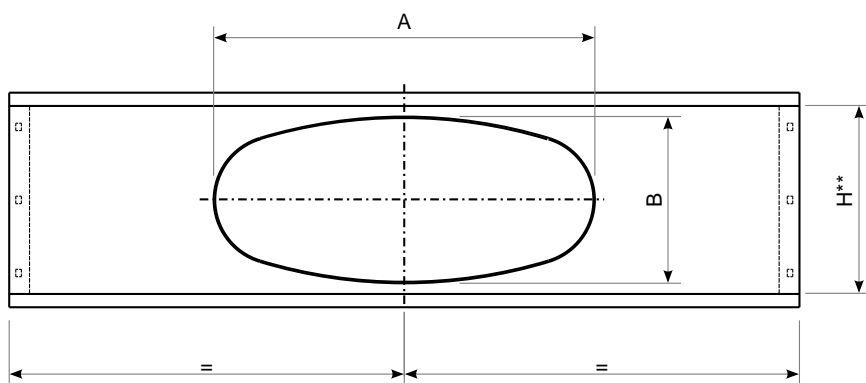
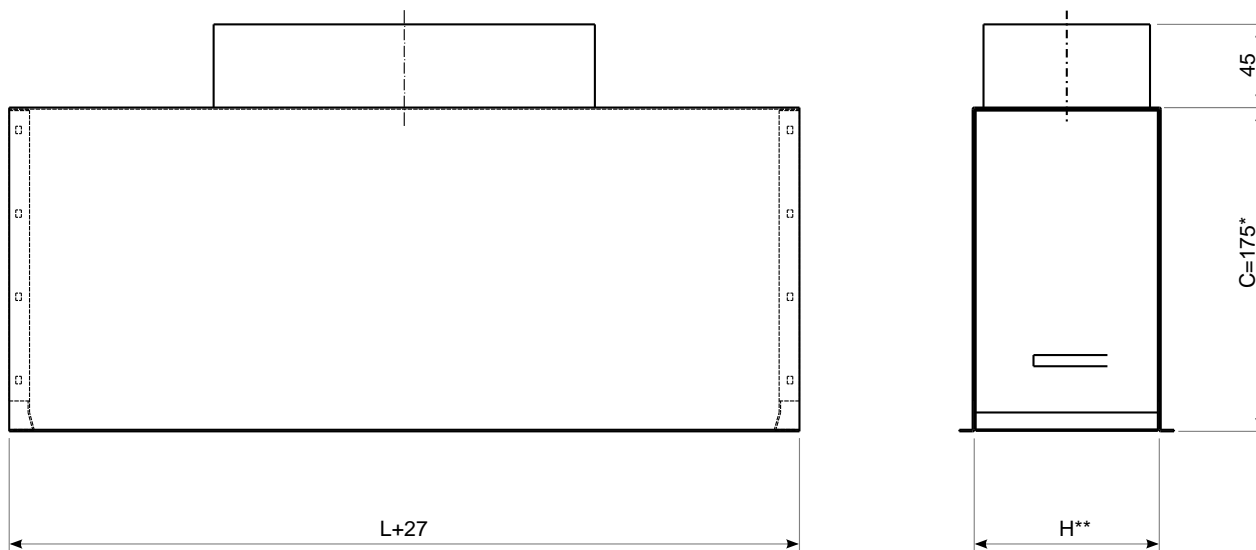


Connection scheme



Plenum E-H1

02.276: Plenum mounted in galvanized sheet with one or more circular (or oval) collars of the same diameter located on the side opposite the one to which the grid is placed.



| $\varnothing D_{duct}$ | A | B |
|------------------------|-----|-----|
| 100 | 107 | 90 |
| 100 | 100 | 100 |
| 125 | 150 | 190 |
| 125 | 125 | 125 |
| 150 | 190 | 90 |
| 150 | 162 | 130 |
| 150 | 150 | 150 |
| 160 | 206 | 90 |
| 160 | 178 | 130 |
| 160 | 160 | 160 |
| 200 | 270 | 90 |
| 200 | 242 | 130 |
| 200 | 200 | 200 |
| 250 | 281 | 190 |
| 250 | 250 | 250 |
| 300 | 300 | 300 |

Si $H \leq \varnothing D_{duct}$ → Oval collar
 Si $H > \varnothing D_{duct}$ → Circular collar

Notes:

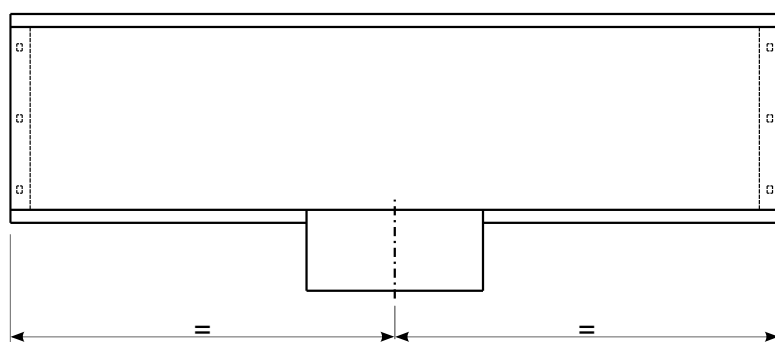
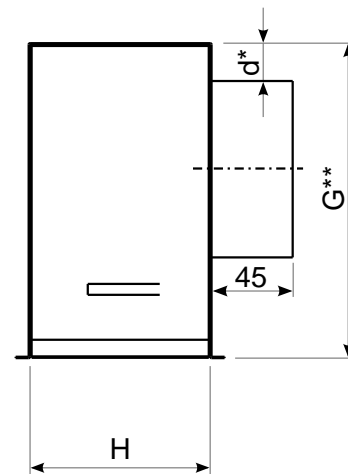
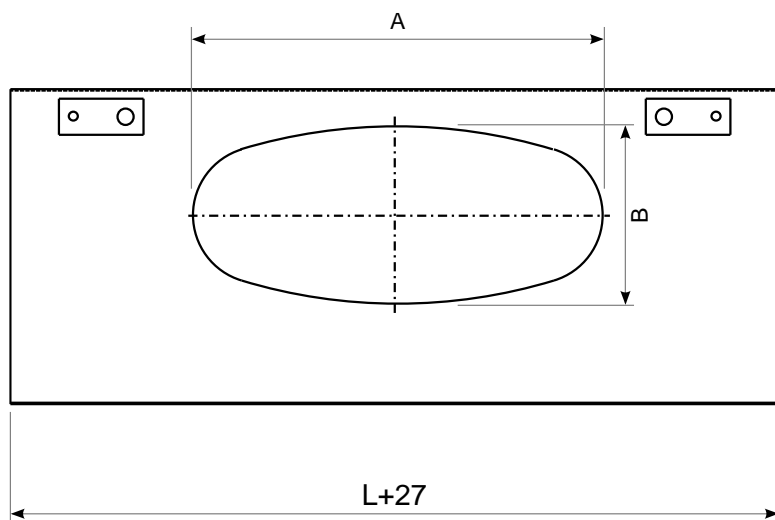
*Possible other dimensions on request

**Minimal H grid dimension B+10mm



Plenum E-H1

02.277: Plenum mounted in galvanized sheet with one or more circular (or oval) collars of the same diameter located on the side of the grid.



| $\varnothing D_{\text{duct}}$ | A | B |
|-------------------------------|-----|-----|
| 100 | 107 | 90 |
| 100 | 100 | 100 |
| 125 | 150 | 190 |
| 125 | 125 | 125 |
| 150 | 190 | 90 |
| 150 | 162 | 130 |
| 150 | 150 | 150 |
| 160 | 206 | 90 |
| 160 | 178 | 130 |
| 160 | 160 | 160 |
| 200 | 270 | 90 |
| 200 | 242 | 130 |
| 200 | 200 | 200 |
| 250 | 281 | 190 |
| 250 | 250 | 250 |
| 300 | 300 | 300 |

Notes:

*25mm minimum height

**G according to request



Selection table E-H1

| HEIGHT | LENGTH | | | | | | | | | | | |
|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|
| 500 | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | 400 |
| 300 | | | | | | | | 300 | 300 | 400 | 400 | 500 |
| 250 | | | | | | | | 300 | | 400 | 500 | |
| 200 | | | 200 | | | 300 | | 400 | | 500 | 600 | 700 |
| 150 | | 200 | | 300 | | 400 | | 500 | 600 | 700 | 800 | 900 |
| 100 | 200 | 300 | 400 | | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | |

| m³/h | | | | | | | | | | | | | |
|------|------------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| 100 | Speed.[m/s] | 2,3 | | | | | | | | | | | |
| | P [mm.c.W.] | 0,7 | | | | | | | | | | | |
| | Sound L. [dB(A)] | <15 | | | | | | | | | | | |
| | Range. [m] | 4,9 | | | | | | | | | | | |
| 150 | Speed.[m/s] | 3,5 | 2,3 | | | | | | | | | | |
| | P [mm.c.W.] | 1,8 | 0,7 | | | | | | | | | | |
| | Sound L. [dB(A)] | 16 | <15 | | | | | | | | | | |
| | Range. [m] | 7,1 | 5,2 | | | | | | | | | | |
| 200 | Speed.[m/s] | 4,6 | 3 | 2,2 | | | | | | | | | |
| | P [mm.c.W.] | 3,1 | 1,3 | 0,7 | | | | | | | | | |
| | Sound L. [dB(A)] | 24 | 15 | <15 | | | | | | | | | |
| | Range. [m] | 9,3 | 6,8 | 5,5 | | | | | | | | | |
| 250 | Speed.[m/s] | 5,8 | 3,7 | 2,8 | 2,4 | | | | | | | | |
| | P [mm.c.W.] | 4,8 | 2 | 1,1 | 0,9 | | | | | | | | |
| | Sound L. [dB(A)] | 29 | 21 | <15 | <15 | | | | | | | | |
| | Range. [m] | 11,6 | 8,5 | 6,8 | 6,2 | | | | | | | | |
| 300 | Speed.[m/s] | 6,9 | 4,5 | 3,3 | 2,9 | 2,6 | | | | | | | |
| | P [mm.c.W.] | 7 | 2,9 | 1,6 | 1,3 | 1 | | | | | | | |
| | Sound L. [dB(A)] | 34 | 25 | 19 | 17 | <15 | | | | | | | |
| | Range. [m] | 13,8 | 10,1 | 8,1 | 7,4 | 6,9 | | | | | | | |
| 350 | Speed.[m/s] | | 5,2 | 3,9 | 3,4 | 3,1 | 2,5 | | | | | | |
| | P [mm.c.W.] | | 4 | 2,2 | 1,7 | 1,4 | 0,9 | | | | | | |
| | Sound L. [dB(A)] | | 29 | 23 | 21 | 19 | 15 | | | | | | |
| | Range. [m] | | 11,7 | 9,4 | 8,6 | 7,9 | 7 | | | | | | |
| 400 | Speed.[m/s] | | 6 | 4,4 | 3,9 | 3,5 | 2,9 | 2,5 | | | | | |
| | P [mm.c.W.] | | 5,2 | 2,8 | 2,2 | 1,8 | 1,2 | 0,9 | | | | | |
| | Sound L. [dB(A)] | | 33 | 27 | 24 | 22 | 19 | 15 | | | | | |
| | Range. [m] | | 13,3 | 10,7 | 9,8 | 9 | 7,9 | 7 | | | | | |
| 450 | Speed.[m/s] | | 6,7 | 5 | 4,4 | 3,9 | 3,3 | 2,8 | 2,4 | | | | |
| | P [mm.c.W.] | | 6,6 | 3,6 | 2,8 | 2,3 | 1,6 | 1,1 | 0,9 | | | | |
| | Sound L. [dB(A)] | | 36 | 30 | 27 | 25 | 22 | 18 | 16 | | | | |
| | Range. [m] | | 14,9 | 12 | 10,9 | 10,1 | 8,8 | 7,9 | 7,1 | | | | |
| 500 | Speed.[m/s] | | | 5,5 | 4,9 | 4,4 | 3,6 | 3,1 | 2,7 | 2,4 | | | |
| | P [mm.c.W.] | | | 4,4 | 3,5 | 2,8 | 1,9 | 1,4 | 1,1 | 0,8 | | | |
| | Sound L. [dB(A)] | | | 32 | 30 | 28 | 24 | 21 | 18 | 16 | | | |
| | Range. [m] | | | 13,3 | 12,1 | 11,2 | 9,8 | 8,7 | 7,9 | 7,3 | | | |
| 550 | Speed.[m/s] | | | 6,1 | 5,4 | 4,8 | 4 | 3,4 | 3 | 2,6 | | | |
| | P [mm.c.W.] | | | 5,4 | 4,2 | 3,4 | 2,3 | 1,7 | 1,3 | 1 | | | |
| | Sound L. [dB(A)] | | | 35 | 33 | 30 | 27 | 24 | 21 | 19 | | | |
| | Range. [m] | | | 14,5 | 13,3 | 12,3 | 10,7 | 9,5 | 8,7 | 7,9 | | | |
| 600 | Speed.[m/s] | | | | 5,9 | 5,3 | 4,4 | 3,7 | 3,2 | 2,9 | 2,6 | | |
| | P [mm.c.W.] | | | | 5 | 4 | 2,8 | 2 | 1,5 | 1,2 | 1 | | |
| | Sound L. [dB(A)] | | | | 35 | 33 | 29 | 26 | 23 | 21 | 19 | | |
| | Range. [m] | | | | 14,5 | 13,4 | 11,6 | 10,4 | 9,4 | 8,6 | 8 | | |
| 650 | Speed.[m/s] | | | | | 5,7 | 4,7 | 4 | 3,5 | 3,1 | 2,8 | 2,3 | |
| | P [mm.c.W.] | | | | | 4,7 | 3,2 | 2,4 | 1,8 | 1,4 | 1,1 | 0,8 | |
| | Sound L. [dB(A)] | | | | | 35 | 31 | 28 | 25 | 23 | 21 | 17 | |
| | Range. [m] | | | | | 14,4 | 12,6 | 11,2 | 10,2 | 9,3 | 8,6 | 7,6 | |
| 700 | Speed.[m/s] | | | | | | 5,1 | 4,3 | 3,8 | 3,4 | 3 | 2,5 | |
| | P [mm.c.W.] | | | | | | 3,8 | 2,7 | 2,1 | 1,6 | 1,3 | 0,9 | |
| | Sound L. [dB(A)] | | | | | | 33 | 30 | 27 | 25 | 23 | 19 | |
| | Range. [m] | | | | | | 13,5 | 12,1 | 10,9 | 10 | 9,3 | 8,1 | |
| 750 | Speed.[m/s] | | | | | | 5,4 | 4,6 | 4,1 | 3,6 | 3,2 | 2,7 | 2,2 |
| | P [mm.c.W.] | | | | | | 4,3 | 3,1 | 2,4 | 1,9 | 1,5 | 1,1 | 0,7 |
| | Sound L. [dB(A)] | | | | | | 35 | 31 | 29 | 26 | 24 | 21 | 17 |
| | Range. [m] | | | | | | 14,5 | 12,9 | 11,7 | 10,7 | 9,9 | 8,7 | 7,6 |

Speed = Effective velocity P = Pressure loss Sound L. = Sound level Range = Air range at speed of (0,25 m/s)



Selection table E-H1

| HEIGHT | LENGTH | | | | | | | | | | | |
|--------|--------|-----|-----|-----|--|------|------|-----|------|------|------|------|
| 500 | | | | | | | | | | | | 500 |
| 400 | | | | | | | | 400 | | 500 | 600 | 700 |
| 350 | | | | | | | 400 | | 500 | 600 | 700 | 800 |
| 300 | | | | 300 | | | 400 | 500 | 600 | 700 | 800 | 900 |
| 250 | | | 300 | | | 400 | 500 | | 600 | 700 | 800 | 1000 |
| 200 | 300 | | 400 | | | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 |
| 150 | 400 | | 500 | 600 | | 700 | 800 | 900 | 1000 | 1200 | | |
| 100 | 600 | 700 | 800 | 900 | | 1000 | 1200 | | | | | |

| m³/h | | | | | | | | | | | | | |
|------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 800 | Speed.[m/s] | 5,8 | 5 | 4,3 | 3,8 | 3,4 | 2,9 | 2,4 | | | | | |
| | P [mm.c.W.] | 4,9 | 3,6 | 2,7 | 2,1 | 1,7 | 1,2 | 0,8 | | | | | |
| | Sound L. [dB(A)] | 36 | 33 | 30 | 28 | 26 | 22 | 19 | | | | | |
| | Range. [m] | 15,4 | 13,7 | 12,4 | 11,4 | 10,5 | 9,2 | 8,1 | | | | | |
| 850 | Speed.[m/s] | | 5,3 | 4,6 | 4,1 | 3,7 | 3 | 2,5 | | | | | |
| | P [mm.c.W.] | | 4 | 3,1 | 2,4 | 1,9 | 1,3 | 0,9 | | | | | |
| | Sound L. [dB(A)] | | 35 | 32 | 30 | 28 | 24 | 20 | | | | | |
| | Range. [m] | | 14,6 | 13,2 | 12,1 | 11,2 | 9,8 | 8,6 | | | | | |
| 900 | Speed.[m/s] | | 5,6 | 4,9 | 4,3 | 3,9 | 3,2 | 2,7 | | | | | |
| | P [mm.c.W.] | | 4,5 | 3,4 | 2,7 | 2,2 | 1,5 | 1 | | | | | |
| | Sound L. [dB(A)] | | 36 | 33 | 31 | 29 | 25 | 22 | | | | | |
| | Range. [m] | | 15,4 | 13,9 | 12,8 | 11,8 | 10,3 | 9 | | | | | |
| 950 | Speed.[m/s] | | | 5,1 | 4,6 | 4,1 | 3,4 | 2,8 | 2,5 | | | | |
| | P [mm.c.W.] | | | 3,8 | 3 | 2,4 | 1,7 | 1,2 | 0,9 | | | | |
| | Sound L. [dB(A)] | | | 35 | 32 | 30 | 27 | 23 | 21 | | | | |
| | Range. [m] | | | 14,7 | 13,4 | 12,4 | 10,9 | 9,5 | 8,8 | | | | |
| 1000 | Speed.[m/s] | | | 5,4 | 4,8 | 4,3 | 3,6 | 3 | 2,7 | | | | |
| | P [mm.c.W.] | | | 4,2 | 3,3 | 2,7 | 1,9 | 1,3 | 1 | | | | |
| | Sound L. [dB(A)] | | | 36 | 34 | 32 | 28 | 24 | 22 | | | | |
| | Range. [m] | | | 15,4 | 14,1 | 13,1 | 11,4 | 10 | 9,3 | | | | |
| 1100 | Speed.[m/s] | | | | 5,3 | 4,7 | 3,9 | 3,3 | 2,9 | 2,4 | | | |
| | P [mm.c.W.] | | | | 4 | 3,3 | 2,3 | 1,6 | 1,3 | 0,9 | | | |
| | Sound L. [dB(A)] | | | | 36 | 34 | 30 | 27 | 25 | 21 | | | |
| | Range. [m] | | | | 15,5 | 14,3 | 12,5 | 11 | 10,1 | 8,9 | | | |
| 1200 | Speed.[m/s] | | | | | 5,2 | 4,3 | 3,6 | 3,2 | 2,7 | | | |
| | P [mm.c.W.] | | | | | 3,9 | 2,7 | 1,9 | 1,5 | 1 | | | |
| | Sound L. [dB(A)] | | | | | 36 | 33 | 29 | 27 | 23 | | | |
| | Range. [m] | | | | | 15,6 | 13,6 | 11,9 | 11 | 9,6 | | | |
| 1300 | Speed.[m/s] | | | | | | 4,6 | 3,9 | 3,5 | 2,9 | | | |
| | P [mm.c.W.] | | | | | | 3,1 | 2,2 | 1,8 | 1,2 | | | |
| | Sound L. [dB(A)] | | | | | | 35 | 31 | 29 | 25 | | | |
| | Range. [m] | | | | | | 14,7 | 12,9 | 11,9 | 10,4 | | | |
| 1400 | Speed.[m/s] | | | | | | | 4,2 | 3,7 | 3,1 | 2,7 | | |
| | P [mm.c.W.] | | | | | | | 2,5 | 2 | 1,4 | 1,1 | | |
| | Sound L. [dB(A)] | | | | | | | 33 | 31 | 27 | 25 | | |
| | Range. [m] | | | | | | | 13,9 | 12,8 | 11,2 | 10,1 | | |
| 1500 | Speed.[m/s] | | | | | | | 4,5 | 4 | 3,3 | 2,9 | | |
| | P [mm.c.W.] | | | | | | | 2,9 | 2,3 | 1,6 | 1,2 | | |
| | Sound L. [dB(A)] | | | | | | | 35 | 33 | 29 | 26 | | |
| | Range. [m] | | | | | | | 14,8 | 13,7 | 12 | 10,8 | | |
| 1600 | Speed.[m/s] | | | | | | | 4,8 | 4,3 | 3,6 | 3,1 | | |
| | P [mm.c.W.] | | | | | | | 3,3 | 2,7 | 1,8 | 1,4 | | |
| | Sound L. [dB(A)] | | | | | | | 36 | 34 | 31 | 28 | | |
| | Range. [m] | | | | | | | 15,8 | 14,6 | 12,7 | 11,5 | | |
| 1700 | Speed.[m/s] | | | | | | | | 4,5 | 3,8 | 3,3 | 2,7 | |
| | P [mm.c.W.] | | | | | | | | 3 | 2,1 | 1,6 | 1,1 | |
| | Sound L. [dB(A)] | | | | | | | | 36 | 32 | 30 | 26 | |
| | Range. [m] | | | | | | | | 15,5 | 13,5 | 12,2 | 10,7 | |
| 1800 | Speed.[m/s] | | | | | | | | | 4 | 3,5 | 2,9 | |
| | P [mm.c.W.] | | | | | | | | | 2,3 | 1,8 | 1,2 | |
| | Sound L. [dB(A)] | | | | | | | | | 34 | 31 | 27 | |
| | Range. [m] | | | | | | | | | 14,3 | 12,9 | 11,3 | |
| 1900 | Speed.[m/s] | | | | | | | | | 4,2 | 3,7 | 3,1 | 2,6 |
| | P [mm.c.W.] | | | | | | | | | 2,6 | 2 | 1,4 | 1 |
| | Sound L. [dB(A)] | | | | | | | | | 35 | 32 | 29 | 26 |
| | Range. [m] | | | | | | | | | 15,1 | 13,6 | 11,9 | 10,7 |

Speed = Effective velocity P = Pressure loss Sound L. = Sound level Range = Air range at speed of (0,25 m/s)



Selection table E-H1

| HEIGHT | LENGTH | | | | | | | | | | |
|--------|--------|------|------|-----|------|------|------|------|------|------|--|
| | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1500 | 1800 | 2000 | |
| 500 | | | | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | |
| 400 | | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | | | |
| 350 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | | | | |
| 300 | 600 | 700 | 800 | 900 | 1000 | 1200 | | | | | |
| 250 | 700 | 800 | 1000 | | 1200 | | | | | | |
| 200 | 900 | 1000 | 1200 | | | | | | | | |
| 150 | 1200 | | | | | | | | | | |
| 100 | | | | | | | | | | | |

| m³/h | | | | | | | | | | | |
|------|------------------|------|------|------|------|------|------|------|------|------|------|
| 2000 | Speed.[m/s] | 4,4 | 3,9 | 3,2 | 2,8 | | | | | | |
| | P [mm.c.W.] | 2,9 | 2,2 | 1,5 | 1,1 | | | | | | |
| | Sound L. [dB(A)] | 36 | 34 | 30 | 27 | | | | | | |
| | Range. [m] | 15,8 | 14,3 | 12,5 | 11,3 | | | | | | |
| 2200 | Speed.[m/s] | | 4,3 | 3,5 | 3,1 | | | | | | |
| | P [mm.c.W.] | | 2,6 | 1,8 | 1,4 | | | | | | |
| | Sound L. [dB(A)] | | 36 | 33 | 30 | | | | | | |
| | Range. [m] | | 15,7 | 13,7 | 12,4 | | | | | | |
| 2400 | Speed.[m/s] | | | 3,9 | 3,3 | 3 | | | | | |
| | P [mm.c.W.] | | | 2,2 | 1,6 | 1,3 | | | | | |
| | Sound L. [dB(A)] | | | 35 | 32 | 30 | | | | | |
| | Range. [m] | | | 15 | 13,4 | 12,5 | | | | | |
| 2600 | Speed.[m/s] | | | | 3,6 | 3,3 | 2,7 | | | | |
| | P [mm.c.W.] | | | | 1,9 | 1,6 | 1,1 | | | | |
| | Sound L. [dB(A)] | | | | 34 | 32 | 28 | | | | |
| | Range. [m] | | | | 14,5 | 13,5 | 11,7 | | | | |
| 2800 | Speed.[m/s] | | | | 3,9 | 3,5 | 2,9 | 2,5 | | | |
| | P [mm.c.W.] | | | | 2,2 | 1,8 | 1,2 | 0,9 | | | |
| | Sound L. [dB(A)] | | | | 36 | 34 | 30 | 27 | | | |
| | Range. [m] | | | | 15,6 | 14,5 | 12,6 | 11,2 | | | |
| 3000 | Speed.[m/s] | | | | | 3,8 | 3,1 | 2,7 | | | |
| | P [mm.c.W.] | | | | | 2,1 | 1,4 | 1 | | | |
| | Sound L. [dB(A)] | | | | | 36 | 32 | 29 | | | |
| | Range. [m] | | | | | 15,6 | 13,5 | 12 | | | |
| 3250 | Speed.[m/s] | | | | | | 3,4 | 2,9 | 2,5 | | |
| | P [mm.c.W.] | | | | | | 1,7 | 1,2 | 0,9 | | |
| | Sound L. [dB(A)] | | | | | | 34 | 31 | 28 | | |
| | Range. [m] | | | | | | 14,6 | 12,9 | 11,7 | | |
| 3500 | Speed.[m/s] | | | | | | 3,6 | 3,1 | 2,7 | 2,6 | |
| | P [mm.c.W.] | | | | | | 1,9 | 1,4 | 1,1 | 1 | |
| | Sound L. [dB(A)] | | | | | | 36 | 33 | 30 | 29 | |
| | Range. [m] | | | | | | 15,7 | 13,9 | 12,6 | 12,1 | |
| 3750 | Speed.[m/s] | | | | | | | 3,3 | 2,9 | 2,7 | |
| | P [mm.c.W.] | | | | | | | 1,6 | 1,2 | 1,1 | |
| | Sound L. [dB(A)] | | | | | | | 34 | 32 | 31 | |
| | Range. [m] | | | | | | | 14,9 | 13,4 | 13 | |
| 4000 | Speed.[m/s] | | | | | | | 3,5 | 3,1 | 2,9 | 2,4 |
| | P [mm.c.W.] | | | | | | | 1,8 | 1,4 | 1,3 | 0,9 |
| | Sound L. [dB(A)] | | | | | | | 36 | 33 | 32 | 29 |
| | Range. [m] | | | | | | | 15,9 | 14,3 | 13,8 | 12,1 |
| 4500 | Speed.[m/s] | | | | | | | | 3,5 | 3,3 | 2,7 |
| | P [mm.c.W.] | | | | | | | | 1,7 | 1,6 | 1,1 |
| | Sound L. [dB(A)] | | | | | | | | 36 | 35 | 32 |
| | Range. [m] | | | | | | | | 16 | 15,5 | 13,5 |
| 5000 | Speed.[m/s] | | | | | | | | | | 3 |
| | P [mm.c.W.] | | | | | | | | | | 1,4 |
| | Sound L. [dB(A)] | | | | | | | | | | 34 |
| | Range. [m] | | | | | | | | | | 15 |

Speed = Effective velocity P = Pressure loss Sound L. = Sound level Range = Air range at speed of (0,25 m/s)



Effective surface (m²) E-H1

| H \ L | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 0,004 | 0,007 | 0,010 | 0,012 | 0,015 | 0,018 | 0,020 | 0,023 | 0,026 | 0,031 | 0,036 | 0,042 | 0,047 | 0,052 |
| 150 | 0,007 | 0,011 | 0,016 | 0,020 | 0,024 | 0,028 | 0,032 | 0,037 | 0,041 | 0,049 | 0,058 | 0,066 | 0,075 | 0,083 |
| 200 | 0,010 | 0,015 | 0,021 | 0,027 | 0,033 | 0,039 | 0,045 | 0,050 | 0,056 | 0,068 | 0,079 | 0,091 | 0,103 | 0,114 |
| 250 | 0,012 | 0,020 | 0,027 | 0,034 | 0,042 | 0,049 | 0,057 | 0,064 | 0,071 | 0,086 | 0,101 | 0,116 | 0,130 | 0,145 |
| 300 | 0,015 | 0,024 | 0,033 | 0,042 | 0,051 | 0,060 | 0,069 | 0,078 | 0,087 | 0,105 | 0,122 | 0,140 | 0,158 | 0,176 |
| 350 | 0,017 | 0,028 | 0,039 | 0,049 | 0,060 | 0,070 | 0,081 | 0,091 | 0,102 | 0,123 | 0,144 | 0,165 | 0,186 | 0,207 |
| 400 | 0,020 | 0,032 | 0,044 | 0,056 | 0,069 | 0,081 | 0,093 | 0,105 | 0,117 | 0,141 | 0,165 | 0,190 | 0,214 | 0,238 |
| 450 | 0,023 | 0,036 | 0,050 | 0,064 | 0,077 | 0,091 | 0,105 | 0,119 | 0,132 | 0,160 | 0,187 | 0,214 | 0,242 | 0,269 |
| 500 | 0,025 | 0,041 | 0,056 | 0,071 | 0,086 | 0,102 | 0,117 | 0,132 | 0,147 | 0,178 | 0,208 | 0,239 | 0,270 | 0,300 |

EXAMPLE OF SELECTION

Data: Supply air Flow rate Q = 500 m³/h

Sound level allowed = 30 dB(A)

| HEIGHT | LENGTH | | | | | | | | | | | | |
|--------|--------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|
| 500 | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | 400 |
| 300 | | | | | | | | | | 300 | 400 | 500 | 500 |
| 250 | | | | | | | | | 300 | 400 | 500 | 600 | 700 |
| 200 | | | 200 | 300 | | | | 300 | 400 | 500 | 600 | 700 | 800 |
| 150 | | 200 | 300 | 400 | | | | 400 | 500 | 600 | 700 | 800 | 900 |
| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | | | |

m³/h

| | | | | | | | | | | | | | |
|-----|------------------|--|--|------|------|------|-----|-----|-----|-----|--|--|--|
| 500 | Speed [m/s] | | | 5,5 | 4,9 | 4,4 | 3,6 | 3,1 | 2,7 | 2,4 | | | |
| | P [mm.c.W.] | | | 4,4 | 3,5 | 2,8 | 1,9 | 1,4 | 1,1 | 0,8 | | | |
| | Sound L. [dB(A)] | | | 32 | 30 | 28 | 24 | 21 | 18 | 16 | | | |
| | Range [m] | | | 13,3 | 12,1 | 11,2 | 9,8 | 8,7 | 7,9 | 7,3 | | | |

Results: Dimensions 500mm x 100mm

Speed = 4,4 m/s

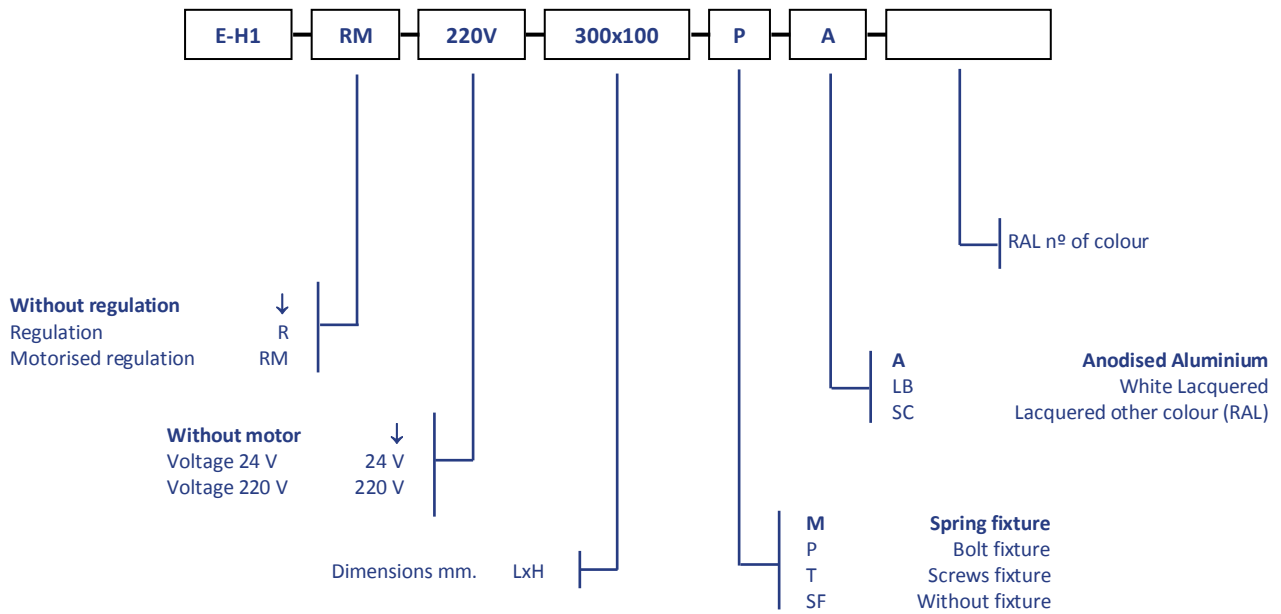
Pressure Loss P = 2,8 mm.c.W.

Sound Level = 28 dB(A)

Range = 11,2 m



Order reference:



Note: The options marked in bold will be used in the case no specification is made by the client.

EXAMPLE: E-H1-RM-220V-300x100-P-LB: H1 grille with motorized regulation of 220 V, 300 mm long and 100 mm high with bolt fixtures and lacquered in white.