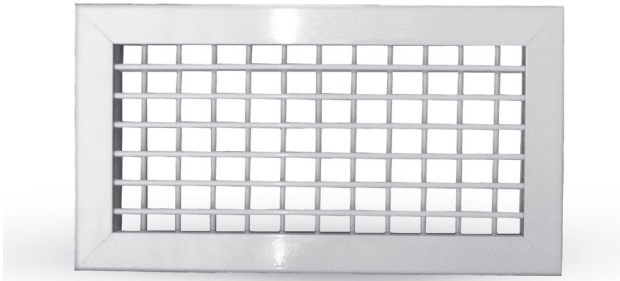


Rectangular duct grills

SHR

[Download Wentyle](#)
[Download AlnorCAM](#)
[Buy via B2B](#)



Description

The SHR intake-outtake grill is designed for mounting on walls of rectangular ducts. The grill is fastened to the duct by means of delivered special clips. The grill is made of galvanized steel with no welds. It means that it may be used without anticorrosive protections. Inclination angle of the lamellas can be adjusted manually.

Assembly

1 – with use of delivered clips

Accessories

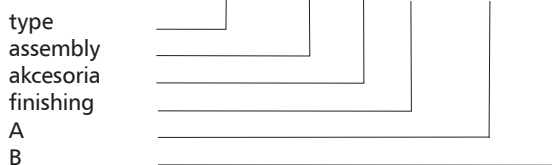
1 – double lamellas

Type of finishing

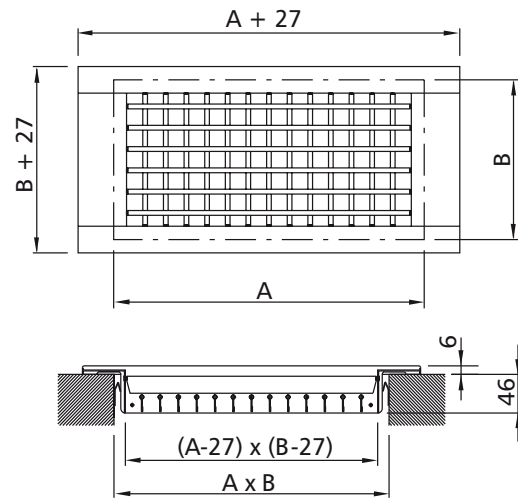
1 – galvanized steel sheet, powder painted according to RAL 9016

Example identification

Product code: **SHR** **1** **1** **1** **aaa** **bbb**



Dimensions



| type | dimension AxB [mm] | surface [m ²] |
|-------------------|-----------------------|------------------------------|
| SHR-1-1-1-200-100 | 200x100 | 0,020 |
| SHR-1-1-1-200-150 | 200x150 | 0,030 |
| SHR-1-1-1-200-200 | 200x200 | 0,040 |
| SHR-1-1-1-225-125 | 225x125 | 0,028 |
| SHR-1-1-1-225-75 | 225x75 | 0,017 |
| SHR-1-1-1-250-150 | 250x150 | 0,038 |
| SHR-1-1-1-250-200 | 250x200 | 0,050 |
| SHR-1-1-1-250-250 | 250x250 | 0,063 |
| SHR-1-1-1-300-100 | 300x100 | 0,030 |
| SHR-1-1-1-300-150 | 300x150 | 0,045 |
| SHR-1-1-1-300-200 | 300x200 | 0,060 |
| SHR-1-1-1-325-125 | 325x125 | 0,041 |
| SHR-1-1-1-325-225 | 325x225 | 0,073 |
| SHR-1-1-1-400-200 | 400x200 | 0,080 |
| SHR-1-1-1-400-250 | 400x250 | 0,100 |
| SHR-1-1-1-400-300 | 400x300 | 0,120 |
| SHR-1-1-1-425-125 | 425x125 | 0,053 |
| SHR-1-1-1-425-225 | 425x225 | 0,096 |
| SHR-1-1-1-500-200 | 500x200 | 0,100 |
| SHR-1-1-1-500-250 | 500x250 | 0,125 |
| SHR-1-1-1-500-300 | 500x300 | 0,150 |
| SHR-1-1-1-525-125 | 525x125 | 0,066 |
| SHR-1-1-1-525-225 | 525x225 | 0,118 |
| SHR-1-1-1-600-150 | 600x150 | 0,090 |
| SHR-1-1-1-600-200 | 600x200 | 0,120 |
| SHR-1-1-1-600-250 | 600x250 | 0,150 |
| SHR-1-1-1-625-125 | 625x125 | 0,078 |
| SHR-1-1-1-625-225 | 625x225 | 0,141 |

Technical data

Table for selected dimensions:

| Q [m3/h] | Typ | 200 x 100 | 200 x 150 | 200 x 200 | 225 x 75 | 225 x 125 | 250 x 150 | 250 x 200 | 250 x 250 | 300 x 100 | 300 x 150 | 300 x 200 | 325 x 125 | 325 x 225 | 400 x 200 |
|----------|---------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | X [m] | | | | 2,90 | | | | | | | | | | |
| | La [dB] | | | | < 35 | | | | | | | | | | |
| | Pt [Pa] | | | | 0,80 | | | | | | | | | | |
| 100 | X [m] | | | | 5,40 | 3,20 | | | | | | | 2,50 | | |
| | La [dB] | | | | < 35 | < 35 | | | | | | | < 35 | | |
| | Pt [Pa] | | | | 2,40 | 1,00 | | | | | | | 0,80 | | |
| 150 | X [m] | 2,60 | 2,30 | | 7,80 | 4,60 | | | | | | | 3,90 | 2,20 | |
| | La [dB] | 22,10 | < 20 | | < 35 | < 35 | | | | | | | < 35 | < 35 | |
| | Pt [Pa] | 8,10 | 5,10 | | 4,90 | 2,00 | | | | | | | 1,50 | 0,70 | |
| 200 | X [m] | 3,20 | 2,80 | 2,40 | 10,10 | 6,00 | 2,40 | 2,20 | 2,40 | 2,60 | | | 5,00 | 2,90 | |
| | La [dB] | 27,10 | 22,10 | < 20 | 35,10 | < 35 | < 20 | < 18 | < 18 | < 20 | | | < 35 | < 35 | |
| | Pt [Pa] | 13,10 | 8,10 | 4,10 | 8,10 | 3,20 | 4,10 | 2,10 | 5,54 | 7,10 | | | 2,40 | 1,10 | |
| 250 | X [m] | 4,00 | 3,50 | 2,90 | 12,10 | 7,70 | 2,90 | 2,50 | 2,60 | 3,20 | 2,70 | 2,50 | 3,70 | 3,00 | 2,50 |
| | La [dB] | 33,10 | 28,10 | 20,10 | 35,10 | 35,10 | 20,10 | 18,10 | 22,50 | 24,10 | < 20 | < 18 | 26,10 | 21,10 | 17,10 |
| | Pt [Pa] | 20,10 | 12,10 | 6,10 | 11,60 | 4,60 | 6,10 | 6,10 | 10,00 | 16,10 | 8,60 | 9,10 | 17,10 | 14,10 | 12,10 |
| 300 | X [m] | 4,70 | 4,20 | 3,50 | 14,50 | 8,50 | 3,50 | 2,90 | 3,10 | 3,90 | 3,20 | 3,10 | 7,10 | 4,10 | 3,10 |
| | La [dB] | 37,10 | 32,10 | 25,10 | < 40 | 35,10 | 25,10 | 21,10 | 26,50 | 29,10 | 21,10 | 18,10 | < 35 | < 35 | < 35 |
| | Pt [Pa] | 29,10 | 18,10 | 8,10 | 16,70 | 6,60 | 8,10 | 10,10 | 11,50 | 13,10 | 6,30 | 5,70 | 5,00 | 2,10 | 1,10 |
| 350 | X [m] | 5,50 | 4,90 | 4,10 | 4,10 | 4,10 | 4,10 | 3,10 | 3,60 | 4,10 | 3,70 | 3,20 | 4,30 | 3,90 | 3,50 |
| | La [dB] | 41,10 | 36,10 | 29,10 | 36,10 | 29,10 | 29,10 | 26,10 | 29,00 | 33,10 | 25,10 | 22,10 | 35,10 | 30,10 | 25,10 |
| | Pt [Pa] | 39,10 | 24,10 | 11,10 | 29,10 | 19,10 | 11,10 | 9,10 | 14,50 | 17,10 | 7,60 | 12,70 | 35,10 | 31,10 | 29,10 |
| 400 | X [m] | 6,30 | 5,60 | 4,60 | 18,50 | 10,80 | 4,60 | 4,10 | 4,50 | 5,10 | 4,20 | 3,80 | 9,00 | 5,20 | 3,00 |
| | La [dB] | 44,10 | 39,10 | 32,10 | 40,10 | < 40 | 32,10 | 28,10 | 32,50 | 36,10 | 28,10 | 23,10 | < 35 | < 35 | < 20 |
| | Pt [Pa] | 51,10 | 32,10 | 15,10 | 27,90 | 11,00 | 15,10 | 11,10 | 18,50 | 23,10 | 10,10 | 8,10 | 8,20 | 3,50 | 4,00 |
| 500 | X [m] | | 6,90 | 5,70 | 22,30 | 13,00 | 5,70 | 5,40 | 5,90 | 6,40 | 5,20 | 4,90 | 10,70 | 6,30 | 3,80 |
| | La [dB] | | 45,10 | 37,10 | < 45 | < 40 | 37,10 | 32,10 | 36,50 | 41,10 | 33,10 | 30,10 | 35,10 | < 35 | 20,10 |
| | Pt [Pa] | | 49,10 | 23,10 | 41,70 | 16,40 | 23,10 | 20,10 | 26,50 | 35,10 | 15,10 | 12,10 | 12,30 | 5,20 | 10,10 |
| 600 | X [m] | | | 6,90 | 26,00 | 15,10 | 6,90 | | | | 6,20 | 6,10 | 12,40 | 7,30 | 4,50 |
| | La [dB] | | | 42,10 | 45,10 | 40,10 | 42,10 | | | | 38,10 | 35,10 | < 40 | 35,10 | 25,10 |
| | Pt [Pa] | | | 33,10 | 57,80 | 22,80 | 33,10 | | | | 22,10 | 20,10 | 17,00 | 7,20 | 14,10 |
| 700 | X [m] | | 8,00 | | 17,20 | 8,00 | | | | | 7,20 | 6,70 | 14,10 | 8,30 | 5,70 |
| | La [dB] | | | 45,10 | | < 45 | 45,10 | | | | 41,10 | 40,10 | 40,10 | < 40 | 29,10 |
| | Pt [Pa] | | | 45,10 | | 30,00 | 45,10 | | | | 30,10 | 24,10 | 22,40 | 9,40 | 14,10 |
| 800 | X [m] | | | | 19,20 | | | | | | | 7,50 | 15,70 | 9,30 | 6,00 |
| | La [dB] | | | | 45,10 | | | | | | | 35,10 | < 45 | < 40 | 32,10 |
| | Pt [Pa] | | | | 38,10 | | | | | | | 30,10 | 28,50 | 12,00 | 11,10 |
| 900 | X [m] | | | | | | | | | | | | 17,20 | 10,10 | 6,70 |
| | La [dB] | | | | | | | | | | | | 45,10 | 40,10 | 35,10 |
| | Pt [Pa] | | | | | | | | | | | | 35,10 | 14,80 | 13,10 |
| 1000 | X [m] | | | | | | | | | | | | 18,80 | 11,20 | 7,30 |
| | La [dB] | | | | | | | | | | | | < 50 | < 45 | 37,10 |
| | Pt [Pa] | | | | | | | | | | | | 42,50 | 17,80 | 17,10 |
| 1200 | X [m] | | | | | | | | | | | | | 13,00 | 8,90 |
| | La [dB] | | | | | | | | | | | | | 45,10 | 42,10 |
| | Pt [Pa] | | | | | | | | | | | | | 24,70 | 24,10 |
| 1400 | X [m] | | | | | | | | | | | | | 14,80 | 10,40 |
| | La [dB] | | | | | | | | | | | | | < 50 | 45,10 |
| | Pt [Pa] | | | | | | | | | | | | | 32,60 | 32,10 |
| 1600 | X [m] | | | | | | | | | | | | | 16,50 | |
| | La [dB] | | | | | | | | | | | | | 50,10 | |
| | Pt [Pa] | | | | | | | | | | | | | 41,50 | |
| 1800 | X [m] | | | | | | | | | | | | | 18,20 | |
| | La [dB] | | | | | | | | | | | | | < 55 | |
| | Pt [Pa] | | | | | | | | | | | | | 51,20 | |
| 2000 | X [m] | | | | | | | | | | | | | | |
| | La [dB] | | | | | | | | | | | | | | |
| | Pt [Pa] | | | | | | | | | | | | | | |
| 2500 | X [m] | | | | | | | | | | | | | | |
| | La [dB] | | | | | | | | | | | | | | |
| | Pt [Pa] | | | | | | | | | | | | | | |

X(m) - range

P_t(Pa) - pressure loss

L_A(dB(A)) - sound pressure level

Technical data

Table for selected dimensions:

| Q [m³/h] | Typ | 400 x 250 | 400 x 300 | 425 x 125 | 425 x 225 | 500 x 200 | 500 x 250 | 500 x 300 | 525 x 125 | 525 x 225 | 600 x 150 | 600 x 200 | 600 x 250 | 625 x 125 | 625 x 225 |
|----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | X [m] | | | | | | | | | | | | | | |
| | La [dB] | | | | | | | | | | | | | | |
| | Pt [Pa] | | | | | | | | | | | | | | |
| 100 | X [m] | | | 2,15 | | | | | | | | | | | |
| | La [dB] | | | < 35 | | | | | | | | | | | |
| | Pt [Pa] | | | 0,55 | | | | | | | | | | | |
| 150 | X [m] | | | 3,05 | 3,95 | | | | 2,75 | | | | | 2,25 | |
| | La [dB] | | | < 35 | < 35 | | | | < 35 | | | | | < 35 | |
| | Pt [Pa] | | | 1,05 | 0,55 | | | | 0,85 | | | | | 0,75 | |
| 200 | X [m] | | | 3,85 | 4,75 | | | | 3,45 | 4,05 | | | | 2,95 | 3,35 |
| | La [dB] | | | < 35 | < 35 | | | | < 35 | < 35 | | | | < 35 | < 35 |
| | Pt [Pa] | | | 1,75 | 0,85 | | | | 1,45 | 0,65 | | | | 1,15 | 0,45 |
| 250 | X [m] | | | 3,65 | 4,35 | | | | 4,05 | 4,55 | | | | 2,75 | 3,15 |
| | La [dB] | | | < 35 | < 35 | | | | < 35 | < 35 | | | | < 35 | < 35 |
| | Pt [Pa] | | | 2,35 | 1,95 | | | | 2,55 | 2,25 | | | | 2,35 | 3,75 |
| 300 | X [m] | | | 5,45 | 6,05 | | | | 4,95 | 5,15 | | | | 4,15 | 4,35 |
| | La [dB] | | | < 35 | < 35 | | | | < 35 | ,35 | | | | < 35 | < 35 |
| | Pt [Pa] | | | 3,35 | 1,55 | | | | 2,75 | 1,15 | | | | 2,15 | 0,85 |
| 350 | X [m] | | | 6,35 | 6,65 | | | | 5,65 | 5,85 | | | | 5,65 | 5,45 |
| | La [dB] | | | < 35 | < 35 | | | | < 35 | < 35 | | | | < 35 | < 35 |
| | Pt [Pa] | | | 6,05 | 2,15 | | | | 4,35 | 2,35 | | | | 2,45 | 1,65 |
| 400 | X [m] | 2,55 | 2,65 | 6,85 | 7,15 | | | | 6,25 | 6,05 | | | | 5,25 | 5,15 |
| | La [dB] | < 14 | < 14 | < 35 | < 35 | | | | < 35 | < 35 | | | | < 35 | < 35 |
| | Pt [Pa] | 6,25 | 6,35 | 5,55 | 2,45 | | | | 4,55 | 1,85 | | | | 3,55 | 1,25 |
| 500 | X [m] | 3,34 | 3,45 | 8,15 | 8,15 | 3,45 | 3,60 | 3,75 | 7,55 | 6,85 | 3,05 | 3,15 | 4,50 | 6,35 | 5,75 |
| | La [dB] | 18,05 | 18,15 | < 35 | < 35 | < 20 | < 20 | < 20 | < 35 | < 35 | < 18 | < 20 | < 20 | < 35 | < 35 |
| | Pt [Pa] | 9,05 | 9,15 | 8,25 | 3,55 | 3,15 | 4,60 | 6,15 | 6,65 | 2,65 | 2,05 | 2,15 | 3,50 | 5,25 | 1,85 |
| 600 | X [m] | 4,10 | 4,25 | 9,45 | 8,95 | 4,05 | 4,15 | 4,85 | 8,75 | 7,65 | 3,45 | 3,75 | 5,50 | 7,35 | 6,45 |
| | La [dB] | 22,05 | 22,15 | 35,15 | < 35 | 20,15 | 22,50 | 24,50 | 35,15 | < 35 | < 18 | < 20 | < 20 | 35,15 | < 35 |
| | Pt [Pa] | 12,05 | 12,15 | 11,35 | 4,95 | 4,15 | 7,50 | 8,15 | 9,25 | 3,65 | 3,10 | 3,15 | 4,50 | 7,25 | 2,55 |
| 700 | X [m] | 5,05 | 5,25 | 10,65 | 9,75 | 4,75 | 5,15 | 4,85 | 9,95 | 8,35 | 4,10 | 4,35 | 6,80 | 8,35 | 7,05 |
| | La [dB] | 22,15 | 23,15 | < 40 | 35,15 | 24,15 | 25,60 | 46,50 | < 40 | < 35 | 20,10 | 20,15 | 24,50 | < 40 | < 35 |
| | Pt [Pa] | 9,85 | 10,15 | 14,95 | 6,45 | 5,15 | 5,55 | 5,45 | 12,15 | 4,75 | 3,10 | 3,15 | 4,50 | 9,45 | 3,25 |
| 800 | X [m] | 5,15 | 5,35 | 11,85 | 10,55 | 5,35 | 5,85 | 5,95 | 11,05 | 8,95 | 4,65 | 4,95 | 6,50 | 9,35 | 7,55 |
| | La [dB] | 29,85 | 30,15 | 40,15 | < 40 | 27,15 | 29,00 | 31,15 | 40,15 | 35,15 | 22,15 | 24,15 | < 40 | < 40 | < 35 |
| | Pt [Pa] | 6,85 | 7,15 | 19,05 | 8,15 | 7,15 | 7,40 | 8,25 | 15,35 | 5,95 | 5,05 | 5,15 | 9,50 | 12,05 | 4,15 |
| 900 | X [m] | 6,10 | 6,25 | 12,95 | 11,25 | 6,05 | 6,25 | 6,35 | 12,25 | 9,65 | 5,40 | 5,55 | 8,50 | 10,15 | 8,15 |
| | La [dB] | 30,05 | 30,15 | < 45 | < 40 | 30,15 | 31,00 | 32,15 | < 45 | < 40 | 24,50 | 26,15 | 32,50 | 40,15 | 35,15 |
| | Pt [Pa] | 9,95 | 10,15 | 23,45 | 10,05 | 8,15 | 8,40 | 9,15 | 18,95 | 7,35 | 5,95 | 6,15 | 9,50 | 14,85 | 5,05 |
| 1000 | X [m] | 6,95 | 7,15 | 14,15 | 11,95 | 6,65 | 6,95 | 7,55 | 12,15 | 10,15 | 6,08 | 6,05 | 9,50 | 11,25 | 8,65 |
| | La [dB] | 31,15 | 32,15 | < 45 | 40,15 | 33,15 | 34,50 | 35,65 | < 45 | < 40 | 27,50 | 29,15 | < 45 | < 45 | < 40 |
| | Pt [Pa] | 12,15 | 14,15 | 28,35 | 12,15 | 10,15 | 10,25 | 12,50 | 22,85 | 8,85 | 6,95 | 7,15 | 14,50 | 17,85 | 6,15 |
| 1200 | X [m] | 8,05 | 8,35 | 16,35 | 13,25 | 7,95 | 8,15 | 9,50 | 15,55 | 11,35 | 7,10 | 7,25 | 12,00 | 13,05 | 9,55 |
| | La [dB] | 37,15 | 39,15 | 45,15 | < 45 | 37,15 | 37,95 | 39,15 | 45,15 | 40,15 | 31,15 | 33,15 | 39,50 | 45,15 | < 40 |
| | Pt [Pa] | 19,55 | 20,15 | 39,35 | 16,75 | 15,15 | 15,65 | 16,15 | 31,75 | 12,15 | 9,85 | 10,15 | 16,50 | 24,75 | 8,45 |
| 1400 | X [m] | 9,85 | 10,15 | 18,45 | 14,45 | 10,05 | 10,45 | 12,45 | 17,65 | 12,35 | 8,45 | 8,45 | 12,50 | 14,85 | 10,45 |
| | La [dB] | 40,05 | 41,15 | < 50 | 45,15 | 41,15 | 42,56 | 42,98 | < 50 | < 45 | 35,45 | 37,15 | < 50 | < 50 | < 40 |
| | Pt [Pa] | 26,55 | 28,15 | 51,85 | 22,05 | 20,15 | 20,45 | 22,50 | 41,85 | 16,05 | 13,50 | 14,15 | 28,50 | 32,65 | 11,15 |
| 1600 | X [m] | | | | 15,65 | | | | | 13,35 | 11,00 | 11,15 | 12,50 | 16,55 | 11,35 |
| | La [dB] | | | | < 50 | | | | | 45,15 | 29,10 | 31,15 | 45,60 | 50,15 | 40,15 |
| | Pt [Pa] | | | | 28,05 | | | | | 20,35 | 14,50 | 16,15 | 32,50 | 41,55 | 14,05 |
| 1800 | X [m] | | | | 16,75 | | | | | 14,25 | 8,50 | 10,85 | 16,50 | 18,25 | 12,15 |
| | La [dB] | | | | 50,15 | | | | | < 50 | 40,15 | 43,15 | < 55 | < 55 | < 45 |
| | Pt [Pa] | | | | 34,65 | | | | | 25,15 | 20,15 | 23,15 | 39,50 | 51,25 | 17,15 |
| 2000 | X [m] | | | | 17,75 | | | | | 15,15 | 10,05 | 12,05 | 14,50 | | 12,85 |
| | La [dB] | | | | < 55 | | | | | 50,15 | 44,15 | 46,15 | 50,50 | | < 45 |
| | Pt [Pa] | | | | 41,85 | | | | | 30,35 | 26,50 | 28,15 | 32,50 | | 20,95 |
| 2500 | X [m] | | | | 19,65 | | | | | 16,75 | | | | | 14,35 |
| | La [dB] | | | | < 55 | | | | | < 50 | | | | | 45,15 |
| | Pt [Pa] | | | | 57,95 | | | | | 42,05 | | | | | 29,05 |

X(m) - range

P_t(Pa) - pressure loss

L_A(dB(A)) - sound pressure level