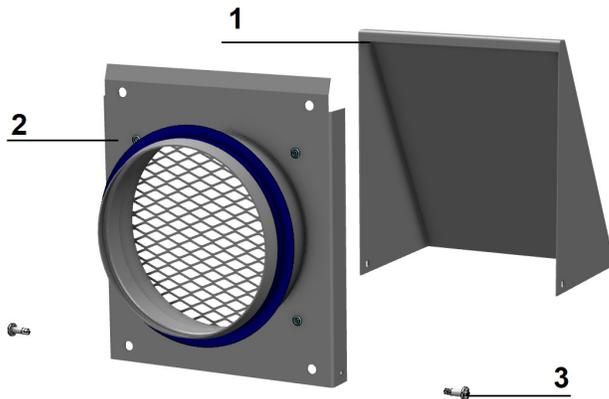


# EXTERNAL LOUVRE WITH HOOD OSH TECHNICAL DATASHEET

2021

## 1. External louvre design and dimensions



Louvre is designed to be installed on the external wall and protect the airduct from weather effects.

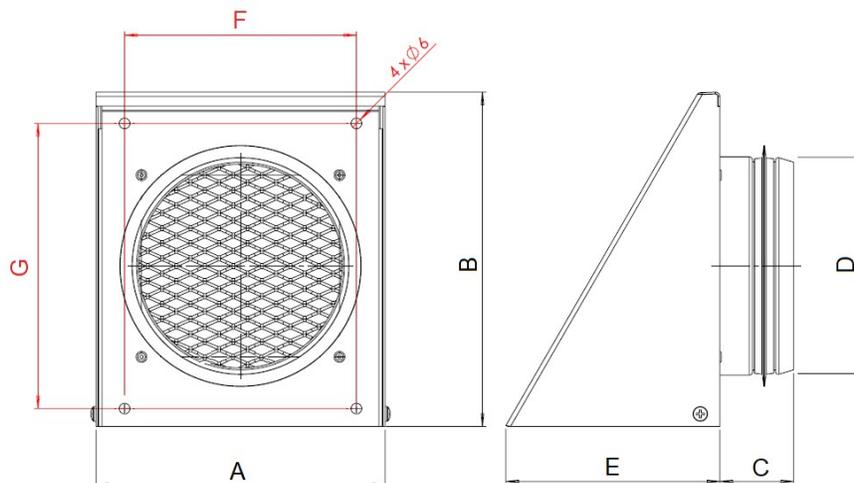
The louvre is produced from galvanized steel sheet with a round nipple connection with gasket and available in diameters  $\varnothing 125 \div 315$  mm.

The coats are powder coated in RAL 9005 / RAL 9010 (other colors available on request).

1 Front cover (1 pc.)

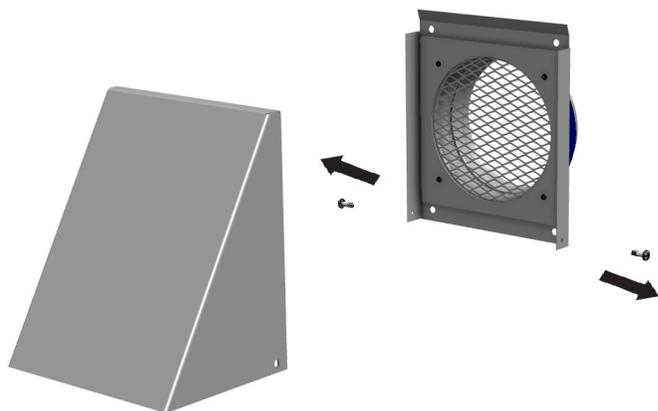
2 OSH base case (1 pc.)

3 DIN7504 4.2x13 screw (2 pcs.)



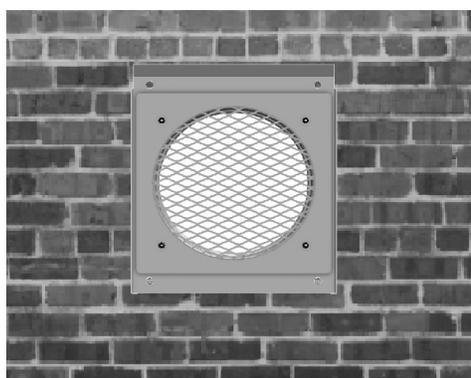
MODEL	A, mm	B, mm	C, mm	D, mm	E, mm	F, mm	G, mm	Free area, m <sup>2</sup>
OSH-125	162	188	41	125	120	130	160	0,019
OSH-160	212	228	41	160	123	160	200	0,026
OSH-200	252	268	41	200	142	210	240	0,036
OSH-250	302	318	41	250	167	260	290	0,050
OSH-315	367	388	41	315	201	320	360	0,074

## 2. Installation steps



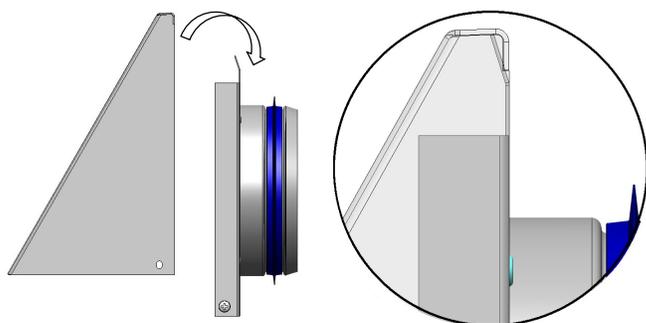
*Recommended height from ground level should be minimum 2 m, please avoid placing the hood in a corner or nearby objects that can affect airflow.*

1. Loosen two DIN 7504 4,2x13 screws and remove the front cover to have access to mounting holes



2. Base case is fastened against the wall. Holes  $\varnothing$  6mm.

*Fixing screws are not supplied.*



3. Place the front cover back in place as shown and fasten the screws.



4. Avoid close proximity of the any objects that may interfere with airflow. There should be several meters in front of the stand.

### 3. Technical data

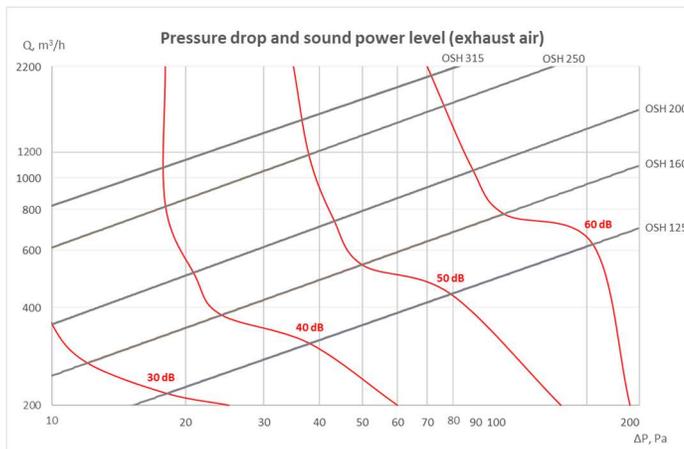
Low speed over the free area is required for the effective functioning.

Normally sound generation from the louvre is less than the fan sound and does not have significant impact.

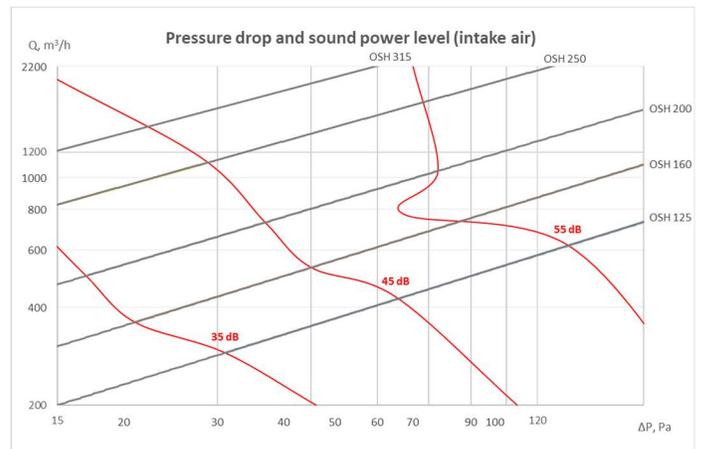
Factors should be considered for exhaust/outdoor louvre installations:

- local wind vortices
- hitting of the objects
- maximum air velocity
- bird protection
- pressure loss and sound power level
- accessibility for maintenance
- condensation

Sound power level Lw(dB) for exhaust air louvre:



Sound power level Lw(dB) for intake air louvre:



Sound power level Lw(dB) for octave range  
(Hz) = LwA (dB) + correction factor:

Octave range, Hz	63	125	250	500	1000	2000	4000	8000
Correction factor, dB(A)	-3	0	0	-1	-3	-12	-14	-10

Sound power level Lw(dB) for octave range  
(Hz) = LwA (dB) + correction factor:

Octave range, Hz	63	125	250	500	1000	2000	4000	8000
Correction factor, dB(A)	-4	0	0	0	-5	-12	-14	-10