

FACT SHEET

SILENCER AND EXHAUST DIRECTION



Silencer and exhaust direction

The silencer is always located on the right side, the hot side, of the truck.

The options for and the design of the silencer installation differs between emission level Euro 3, Euro 5 and Euro 6. In principle, the silencer installation can be either horizontal or vertical.

The various installations for different exhaust emission levels are described in the following pages.

Horizontal silencer installation

The horizontal silencer is generally available with four different exhaust directions – left, rear, right or vertical.

Vertical silencer installation

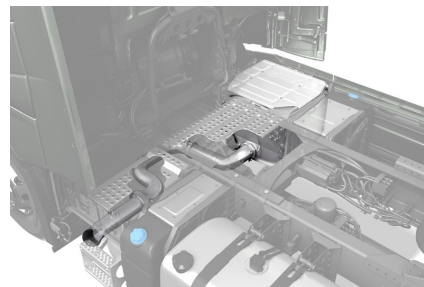
The vertical silencer always has a vertical exhaust direction.

Sales variants

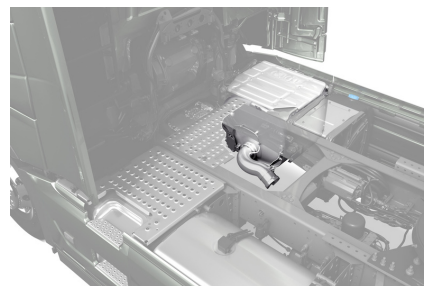
- ESH-LEFT** Horizontal silencer, left exhaust outlet
- ESH-REAR** Horizontal silencer, rear exhaust outlet
- ESH-RIGH** Horizontal silencer, right exhaust outlet
- ESH-VERT*** Horizontal silencer, vertical exhaust outlet on right-hand side
- ESV-VERT**** Vertical silencer, vertical exhaust outlet on right-hand side

* To get a vertical exhaust heat shield, either of the variants EXSH (extra exhaust heat shield) or EXSH2 (extended exhaust heat shield) must be selected as well.

** Only for Euro 3



Example of exhaust direction for FH 4x2 Tractor Euro 6 with ESH-LEFT.



Example of exhaust direction for FH 4x2 Tractor Euro 6 with ESH-REAR.



Example of exhaust direction for FH Euro 6 with ESH-VERT.

FACT SHEET

SILENCER AND EXHAUST DIRECTION

Euro 6 (EM-EU6)

Horizontal silencer installation

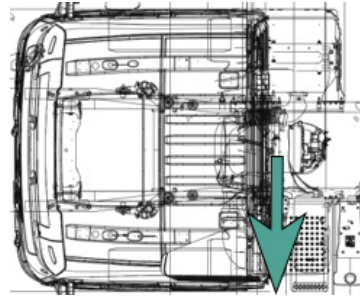
For Euro 6 trucks, only horizontal silencer installation is available. The space required on the frame side is 700 mm. The horizontal silencer is available with four different exhaust directions – left, rear, right and vertical.

Weight optimization horizontal silencer for Euro 6 – depending on exhaust direction

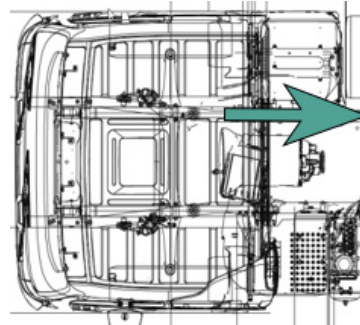
ESH-LEFT Reference

ESH-REAR -16 kg

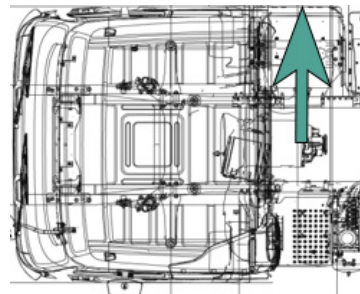
ESH-RIGH -9 kg



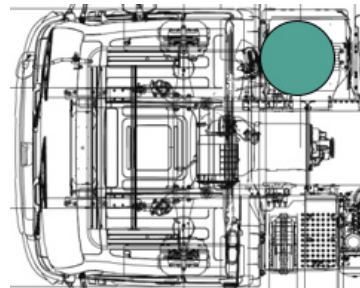
Basic layout sketch for left exhaust direction – ESH-LEFT.



Basic layout sketch for rear exhaust direction – ESH-REAR.



Basic layout sketch for right exhaust direction – ESH-RIGH.



Basic layout sketch for vertical exhaust direction – ESH-VERT.

FACT SHEET

SILENCER AND EXHAUST DIRECTION

Euro 5 (EM-EU5)

Horizontal silencer installation

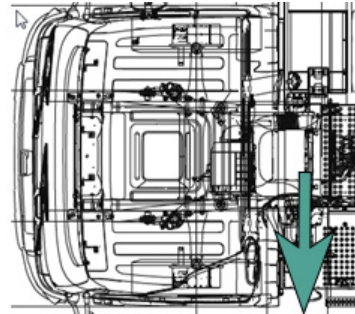
For Euro 5 trucks, only horizontal silencer installation is available. The horizontal silencer is available with four different exhaust directions – left, rear, right and vertical.

The space required on the frame side is 500 mm or 700 mm:

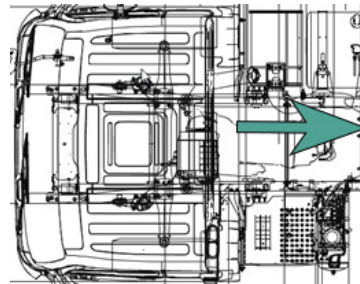
- On Euro 5 trucks with 330-540 hp, 500 mm is required.
The horizontal silencer is equipped with a tailpipe silencer on left and right exhaust outlet.
- On Euro 5 trucks with 600-750 hp, 700 mm is required.

Weight optimization horizontal silencer for Euro 5 – depending on exhaust direction

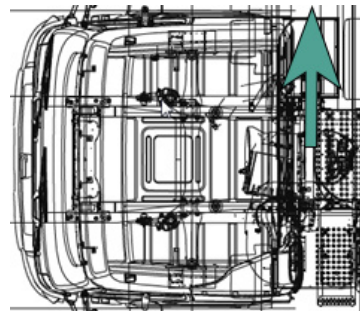
ESH-LEFT	Reference
ESH-REAR	-9 kg
ESH-RIGH	-17 kg



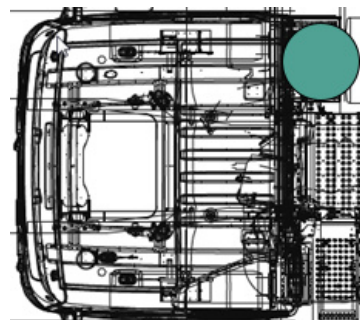
Basic layout sketch for left exhaust direction – ESH-LEFT



Basic layout sketch for rear exhaust direction – ESH-REAR.



Basic layout sketch for right exhaust direction – ESH-RIGH.



Basic layout sketch for vertical exhaust direction – ESH-VERT.

FACT SHEET

SILENCER AND EXHAUST DIRECTION

Euro 3 (EM-EC01)

For Euro 3 trucks there are two different kinds of silencer installations:

Horizontal silencer installation

The space required on the frame side is 500 mm. The horizontal silencer is equipped with a tailpipe silencer with horizontal exhaust when regulation requires (NR-80IND/NR-82EC/NR-80EC/NR-80BR).

The horizontal silencer is available with four different exhaust directions – left, rear, right and vertical.

Vertical silencer installation

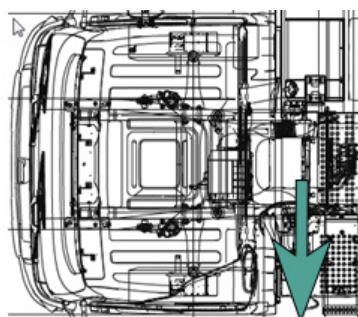
The space required behind the cab is approximately 280 mm. The vertical silencer always has a vertical exhaust direction. The top pipe needs to be cut off to fit the superstructure.

Weight optimization horizontal silencer for Euro 3 – depending on exhaust direction:

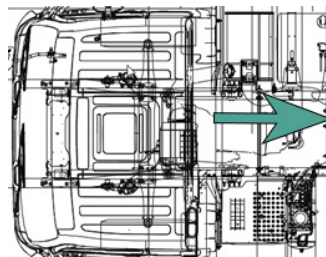
ESH-LEFT Reference

ESH-REAR -12 kg

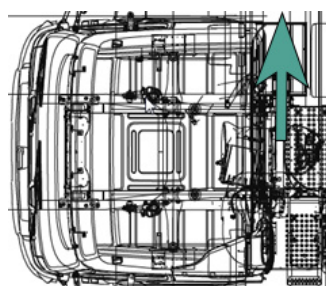
ESH-RIGH -5 kg



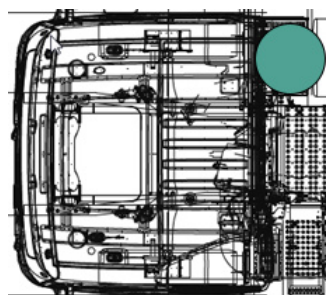
Basic layout sketch for left exhaust direction – ESH-LEFT.



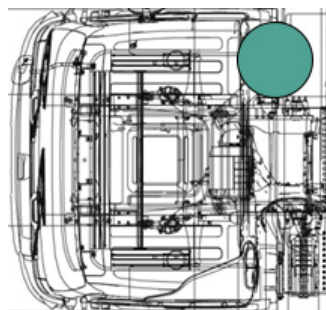
Basic layout sketch for rear exhaust direction – ESH-REAR.



Basic layout sketch for right exhaust direction – ESH-RIGH.



Basic layout sketch for vertical exhaust direction – ESH-VERT.



Basic layout sketch for vertical exhaust direction – ESV-VERT.