

4 Exhaust

4.1. Exhaust system

Route the combustion gases out of the boat via the exhaust system.

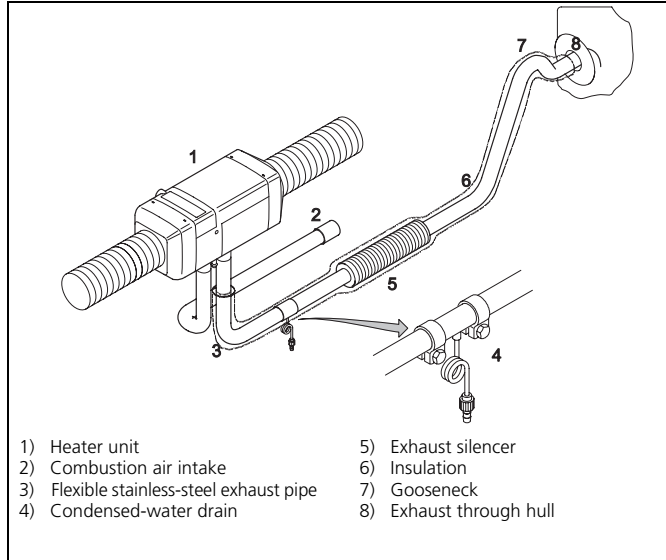


Fig. 8: Exhaust system

4.2. Exhaust outlet

Outlet arrangement:

- Position the exhaust outlet where no splash-water can enter the boat.
 Recommendation:
 Sailboats: on stern transom.
 Motorboats: on side wall.

CAUTION!

Do not position the exhaust outlet below or next to ventilation equipment, window openings or the heating air inlet (otherwise danger of suffocation)!



- At least 60 cm above the water line so that no water can enter when the boat heels
- Do not connect to the engine or generator exhaust system (higher pressures; damage to heater unit!)
- Not in the direction of movement of the boat (high wind pressure)
- Not where it can easily be covered, e.g. by the fender.

Exhaust through hull:

- Choice of design and installation position: Minimisation of rain water ingress!
- User only genuine Webasto exhaust through hulls! Fit insulating washers exactly for thermal insulation from the side wall (minimisation of water ingress)!
 If additional sealing is required: use only heat-resistant sealing compound!
- Exhaust through hull: Not closeable; not with self-opening valves!

- Mount exhaust through hull with pipe socket angled facing upward.

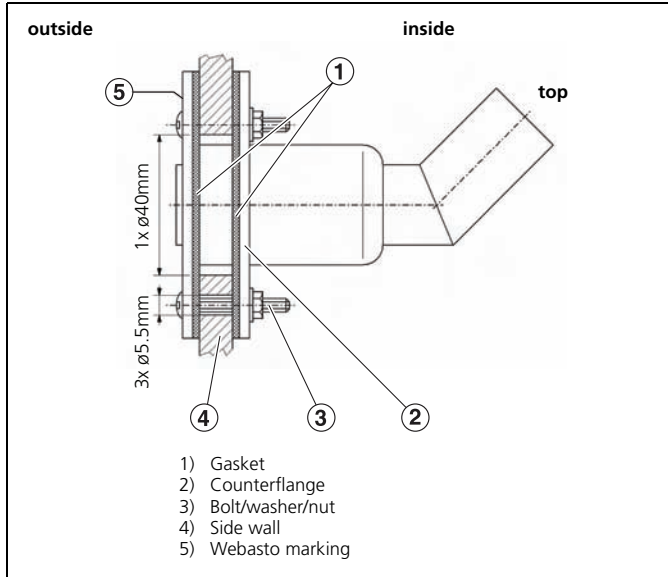


Fig. 9: Exhaust through hull

4.3. Exhaust pipe

4.3.1. Exhaust pipes

- Keep the exhaust pipe as short as possible.
- Route the exhaust pipe as straight as possible (permissible total bends < 270°; smallest permissible bending radius 50 mm)!
- No contact with/ sufficient spacing to temperature-sensitive objects, such as electrical cables, water pipes, plastic parts, sails or boat hull!
- Minimum distance from wall: ≥ 20 mm!
- Minimum pipe diameter: 24 mm.

4.3.2. Length from exhaust to combustion-air pipe

The following maximum total lengths of the combustion air intake and exhaust pipe must be complied with for Air Top 2000 ST, Air Top Evo 3900/5500:

- with boat exhaust silencer: max. 2.5 m
- without exhaust silencer: max. 5.0 m