

Service Bulletin

Types | Containerized Units

Subject | Improvement of Ventilation

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Jenbacher now has developed measures to improve the ventilation in our containers and to bring down the temperature rise from air intake in the container to air intake of the engine to below 3°C for all container versions.

This results in a better performance of the turbo charger (standard version with optimized efficiency can be used), longer life time of turbo charger (less revolutions, less deposits) and better ventilation of electronic parts due to improved air flow.

The way how to carry out the upgrade is dependent on the respective container version:

➤ **3m container with lateral air intake**

Both inlet fans together with consoles and baffle are interchanged. After the upgrade the lower fan is aligned with the container and equipped with the baffle, while the upper fan with the bend is directed towards the middle of the container as shown in the following illustration.

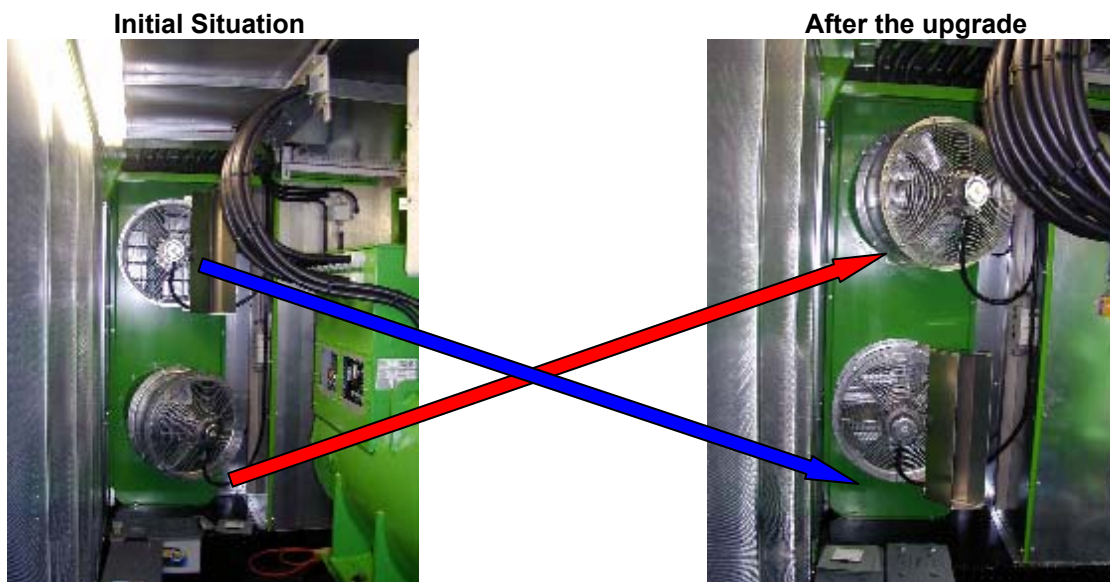


Figure 1: Interchange of inlet fans for improvement of ventilation

For this action no additional material is needed.



➤ **ISO standard 40ft container with lateral air intake**

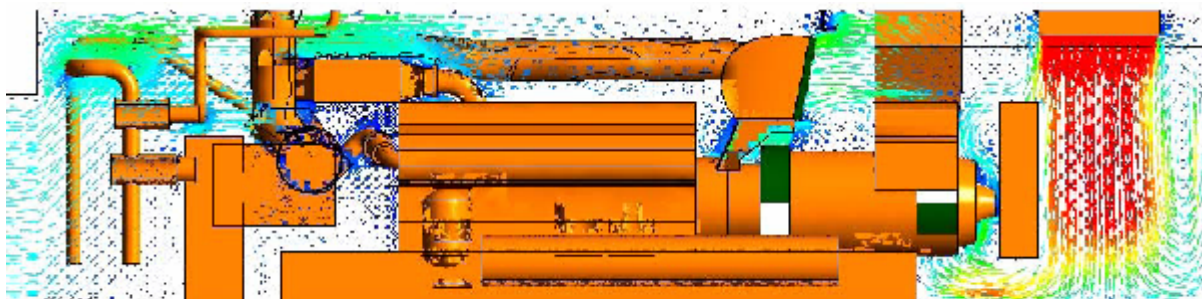
In addition to the measures taken for the 3m container, the upper air inlet fan is moved upwards by approximately 14 cm which further improves the ventilation.

For this, sheet metal p/n 380364 is required.

➤ **ISO standard 40ft and 3m container with air intake from the top**

A baffle duct will be mounted below the inlet fans which divides the air flow into two streams. One supplies air to the air intake of the gas engine, the other still goes down vertically into the engine room. The below charts illustrate the improvement of the air velocity inside the container:

Initial situation



Situation after the upgrade

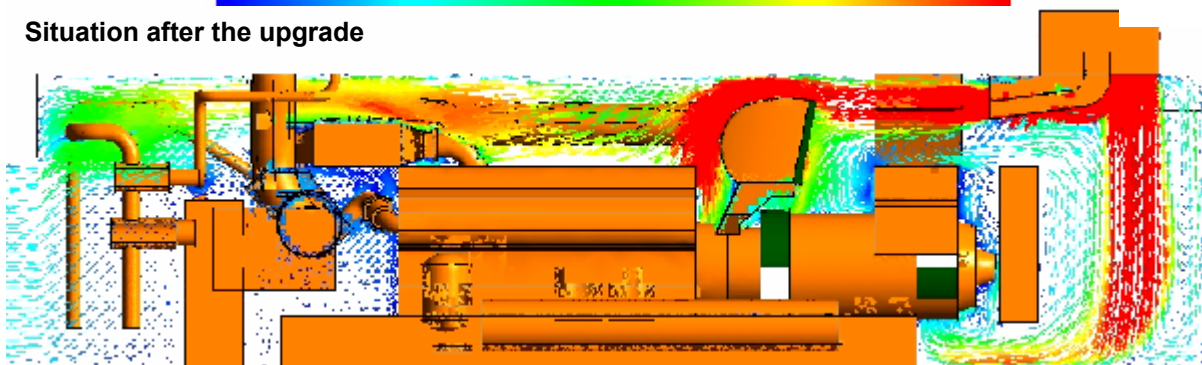


Figure 2: Improvement of air velocity inside the container



To mount the baffle duct, the air inlet flaps have to be removed because the container lacks space for both items. As the outlet flap is still in place and the air intake filter has a certain resistance, no draft inside the engine room must be expected.

Material requirements: baffle duct, p/n 441144. The existing inlet flaps have to be removed!

In case of increased ambient temperatures, the above upgrades improve the ventilation condition durably, which leads to improved lifetime of turbo charger and electronic components in the long run.

Please contact the Jenbacher Service Organisation for making you an offer on this brand new upgrade.