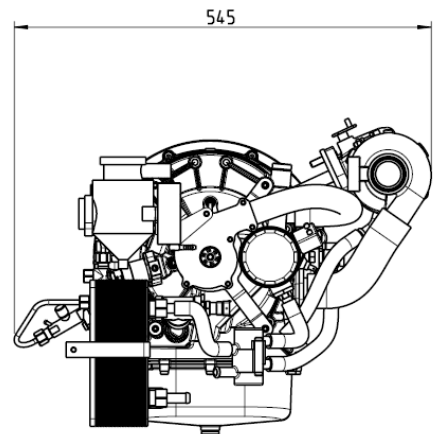
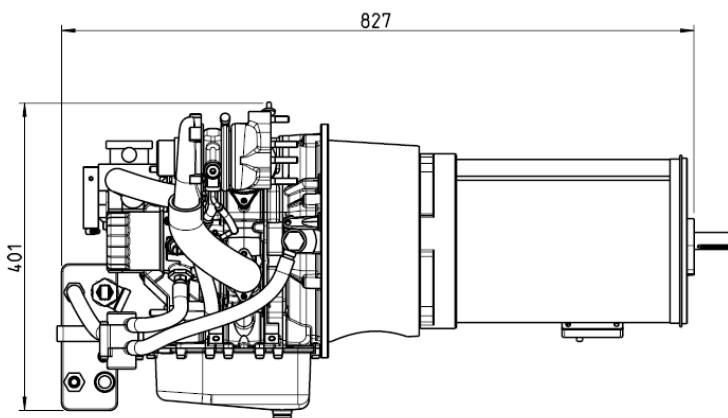
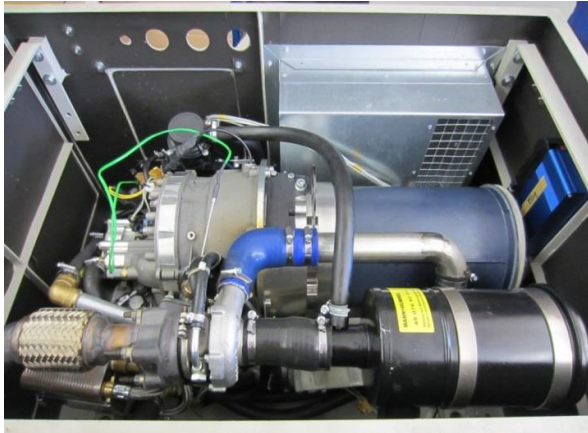


Up to 15 kW at 4750min<sup>-1</sup>

The BHS ( Battery Charging and Heating System ) is a retrofit system for diesel locomotives. It acts as a power generator to charge the batteries and supply the electrical power grid. The resulting thermal energy is used to maintain/ keep a corresponding thermal level of the main diesel engine.

This system minimizes the fuel consumption, noise and exhaust emissions at a standstill of the locomotive. The system also preheats the engine after a long standstill to the minimum temperature required for starting, or keeps the operating temperature at stops upright. The heat output can be increased by additional electrical heating cartridges.



# Technical Data

| Enginetype                      | KKM 351d                        |
|---------------------------------|---------------------------------|
| <i>Scheibenzahl</i>             | 1                               |
| <i>Engine Displacement</i>      | 350 ccm                         |
| <i>Maximum speed</i>            | 4750 min <sup>-1</sup>          |
| <i>Charging</i>                 | Turbo & LLK                     |
| <i>Injection</i>                | High-Pressure                   |
| <i>Coolant</i>                  | Water / Glycol                  |
| <i>Oil type</i>                 | SAE 10W40                       |
| <i>Oil volume</i>               | 3 Liter                         |
| <i>Engine System Voltage</i>    | 12 Volt                         |
| <i>Measurements (L x B x H)</i> | 827mm x 545mm x 401mm           |
| <i>Weight</i>                   | 80kg                            |
| <i>Thermal Power</i>            | 32 kW at 4750 min <sup>-1</sup> |
| <i>Electrical Power</i>         | 15 kW at 4750 min <sup>-1</sup> |
| <i>Current</i>                  | 74 Volt alternative 110 Volt    |
| <i>Generator Type</i>           | HPEV AC50-26.28                 |
| <i>Motor Controller</i>         | Curtis                          |
| <i>Control Strategie</i>        | Controlled by Battery Current   |
| <i>Fuel Consumption</i>         | 100% of Power 7,0 Liter / h     |
|                                 | 50% of Power 3,6 Liter / h      |
|                                 | 25% of Power 2,0 Liter / h      |

**Further information on demand!**

1) Performance specification netto mit Abzug Lüfterleistung

2) Best fuel consumption, Dieselfuel with the density 0,835 kg/dm<sup>3</sup> at 15°C.

The information on this data sheet are not binding and for information purposes. Decisive are the details in the offer