



## Technical Data

### Voltage

**Static:** +1%

**Dynamic::**

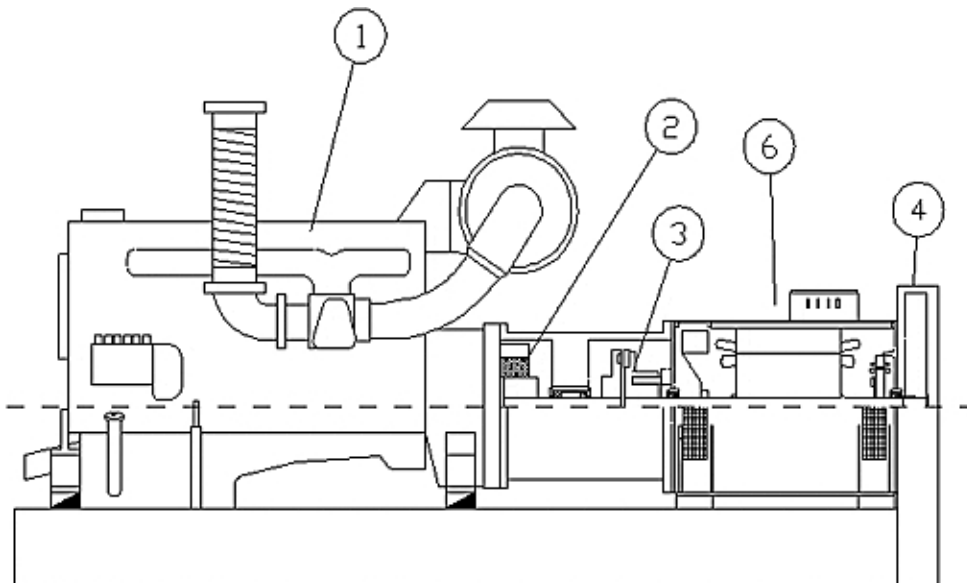
- at change of nominal load,  $\cos\phi = 0,8$ ,: -10%, +10%, voltage comeback within 0,3 seconds.
- Short circuit at the input +/- 10%. Voltage tolerance after short circuit shut down < 10% within 0,3 seconds.
- Mains shutdown at nominal voltage +/-10% within 0,3 seconds

**Frequency:**

- at grid operation = grid frequency.
- change grid to diesel operation at takeover of 100 % load +/-5%.
- static at diesel operation +/-0,5%.

**When desired other tolerances are possible!**

### Mechanical Design



- 1) Diesel engine
- 2) Flexible clutch
- 3) Electromagnetic clutch
- 4) Flywheel
- 5) Synchronous machine
- 6) Synchronous machine