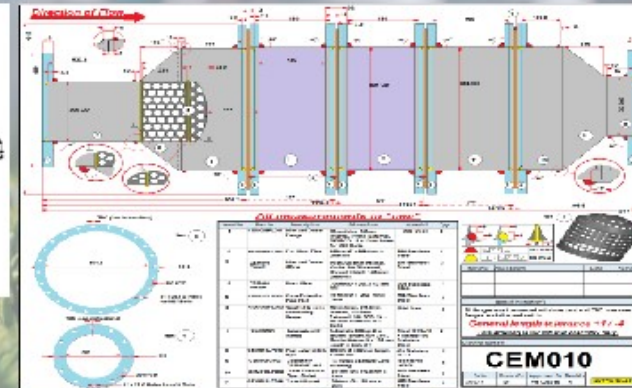
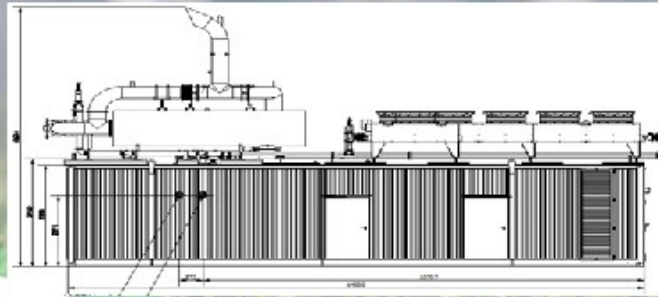


Case Study, 1Mw SCR Generator

MTU 8V4000L64 Generator Engine

Number of main engines	- 1
Engine Power (MCR,100% load) (Kw)	- 1040 at 1500rpm
Max Exhaust Temp °C	- 519 at 50% load
Engine operating speed	- 1500
Exhaust gas mass flow (kg/h)	- 5102
Fuel - Natural Gas : CH4	- 95%
Engine NOx emission	- 500mg/Nm3
NOx (as NO2) after SCR	- 100mg/Nm3
Gas flow direction	- Horizontal
Reagent	- Urea solution 32.5%
Catalyst type - DENOX	- MET400V-RD
Number of catalyst elements per layer	- 1
Total number of catalyst elements	- 2
Catalyst element shape	- Round
Catalyst element weight	- 50kg
Substrate	- Metallic / Vibration resistant for superior performance
Approx reactor dimensions (DxH,mm)	- 800 x 2300
Urea dosing method	- Proprietary pump and regulating nozzle
Controller	- PLC
MMI	- Touch Screen
NOx inlet-NOx outlet (Efficiency)	- 80%
NH3 Slip	- 5ppm
Urea solution consumption at 100% load	- 3.4 LPH
Testing	- Independent by Certified Authority



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