

**Mounting Arrangement:** Set of engine and alternator coupled directly by means of a flexible disk and mounted on a reinforced steel base frame including anti-vibration isolators ensuring a vibration free standing of the generating set.

**Deutz Engine:** Four stroke, direct injection, oil-cooled Diesel engine of the 1011 series manufactured with the latest technology. The engines low exhaust and sound emissions comply with the strictest prevailing regulations. Low fuel and oil consumption together with low maintenance costs make the 1011 series engine an extraordinary product that allows maintaining operating costs at affordable levels. In addition, the engines load acceptance capacity ensures instant electricity supply. Stop solenoid included.

Engine power: Continuous power according to ISO 3046 (ICN2) at variable load measured at 300 m a.s.l. and 25°C ambient temperature.

**Alternator:** Mecc Alte alternator, brushless, self-excited, self regulated with electronic voltage regulation (AVR), four poles, IP 21 protection and class H insulation.

**Manual control (C):** The generating set is supplied with a manual control panel, mounted in the canopy.

**GE200** manual control unit with possibility for automatic start and stop by external signal, which includes following functions and components:

**Analogue instruments:**

- generator three phases voltage
- generator three phases amperage
- generator frequency
- working hours
- fuel level
- oil pressure
- engine temperature

**LED indicators:**

- low oil pressure
- high engine temperature
- low fuel level
- power on

**Warnings and shutdowns:**

- oil pressure shutdown
- engine temperature shutdown
- battery charge failure
- low level fuel warning

**Frontal push buttons or switches for:**

- ON OFF START selector switch with key
- Selector switch for voltage
- emergency stop button
- selector switch for amperage

**Other features:**

- main circuit breaker with differential protection 4 p (up to 125A) / 3 p (over 125A)
- main connection plinth behind plexi glass door
- different socket kits available
- remote start capability.

**Automatic control panel (D)** mounted in the canopy.

**GC-M02** control unit for measurement, control and protection of the genset.

For descriptions please see: control panels.



**Optionals:**

- Extended fuel tank in the base frame
- Automatic fuel transfer pump
- Trailer (road / site)
- Preheating system
- Flexible exhaust compensator
- Different colour (base frame / canopy)
- Leak proof tray
- Engine electronic governor
- Manual oil drain pump
- Battery switch
- Alternator:
  - tropicalized
  - anti-condensation heaters
  - paralleling kit.

# POWERI

Genset Model	GSL 20TDM*D	GSL 30TDM*D	GSL 40TDM*D
Power prime (kVA)	18,5	26,0	37,5
Continuous power (kVA)	17,7	24,8	35,7
Emergency power (kVA)	19,6	27,4	39,4
Frequency (Hz)	50	50	50
Voltage (V)	Three phases 400/230	Three phases 400/230	Three phases 400/230
Engine	<b>Deutz</b> F3M 1011 F	<b>Deutz</b> F4M 1011 F	<b>Deutz</b> BF4M 1011 F
Cylinders	3	4	4
Displacement (c.c.)	2185	2914	2912
Compress ratio	19,0: 1	19,0: 1	17,5: 1
Aspiration	Natural	Natural	Turbo
R.P.M.	1500	1500	1500
Engine output, prime (kW)	17,6	24,5	34,3
Cooling	Oil	Oil	Oil
Fuel consumption			
100% load (l/h)	4,7	6,4	9,0
75% load (l/h)	3,6	4,9	7,2
50% load (l/h)	2,5	3,5	4,8
25% load (l/h)	1,8	2,5	3,0
Exhaust Temp. (°-C)	490	480	545
Exhaust gases flow (m3/h)	250	334	501
Cooling air flow (m3/h)	1730	1730	2160
Combustion air flow (m3/h)	88	118	177

Other voltages available under request.

Continuous power: At variable load according to ISO 3046 (ICN2).

Emergency power: No overload capacity according to ISO 3046 (IFN3).

## OPEN SET VERSIONS (B)

	GSL 20TDM*D	GSL 30TDM*D	GSL 40TDM*D
Fuel tank capacity (l)	100	100	100
Dimensions (mm)			
• Length	1650	1650	1650
• Width	750	750	750
• Height	1016	1075	1064
• Weight (kg)	480	525	600

## SOUNDPROOF VERSIONS (S)

	GSL 20TDM*D	GSL 30TDM*D	GSL 40TDM*D
Noise level dB(A)	67	67	67
Fuel tank capacity (l)	120	120	120
Dimensions (mm)			
• Length	2250	2250	2250
• Width	1075	1075	1075
• Height	1030	1030	1030
• Weight (kg)	1060	1120	1040

Weight including coolant and lubricant.

\*) C=manual control panel D=automatic control panel