

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, air-cooled Diesel engine of the 912 serie at 1500 rpm manufactured with the latest technology.

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 on the genset.

BE23 manual control unit with possibility for automatic start and stop by external signal, which includes following functions and components:

Digital display:

- generator three phases voltage
- generator three phases amperage
- generator frequency
- battery charger
- working hours
- fuel level
- oil pressure (depending on models)
- power (kVA, kW, kVAr, cos phi)

LED indicators:

- alarm menu displayed
- program menu displayed
- power menu displayed
- V/A/Hz/h menu displayed
- engine menu displayed
- low oil pressure
- high engine temperature
- battery voltage out of limits
- low fuel level
- external stop
- automatic mode (disable)

Warnings and shutdowns:

- oil pressure warning and shutdown
- engine temperature warning and shutdown
- fail to start shutdown
- external stop shutdown
- over and under speed shutdown
- under and over frequency shutdown
- low level fuel warning and shutdown
- over load kVA shutdown
- over and under voltage shut down
- alternator failure shutdown
- auxiliary input shutdown
- obstruction on the air filter

Frontal push buttons for:

- MENU SELECT (UP/DOWN) – CURSORS (LEFT/RIGHT) – AUTO/MANUAL (disabled) – START – STOP – RESET positions
- ON/OFF selector switch
- Emergency stop button. Error message on display.
- Selector switch for measurement of three amperage phases
- For 50 Hz, main circuit breaker with differential protection 4-p (up to 63A) / 3-p (over 100A). For 60 Hz available with circuit breaker and differential protection.

Automatic control panel (D) mounted on the genset.

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	GSA 30TDM*DB	GSA 40TDM*D	GSA 60TDM*D
Power prime (kVA)	28,7	39,9	59,9
Continuous power (kVA)	27,6	37,7	57,7
Emergency power (kVA)	29,2	41,0	61,0
Frequency (Hz)	50	50	50
Voltage (V)	3-phases 400/230	3-phases 400/230	3-phases 400/230
Engine	Deutz F3L 912 GEN	Deutz F4L 912 GEN	Deutz F6L 912 GEN
Cylinders	3	4	6
Displacement (c.c.)	2827	3770	5655
Compress ratio	20,0: 1	20,0: 1	20,0: 1
Aspiration	Natural	Natural	Natural
R.P.M.	1500	1500	1500
Engine output, prime (kW)	27	36,5	54
Cooling	Air	Air	Air
Fuel consumption			
100% load (l/h)	8,2	8,9	13,5
Fuel consumption			
75% load (l/h)	5,2	6,9	10,4
Fuel consumption			
50% load (l/h)	3,8	5,0	7,6
Exhaust Temp. (°C)	460	455	460
Exhaust gases flow (m3/h)	264	353	527
Cooling air flow (m3/h)	3500	2900	5600
Combustion air flow (m3/h)	108	144	216

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)	GSA 30TDM*DB	GSA 40TDM*D	GSA 60TDM*D
Fuel tank capacity (l)	100	100	90
Dimensions (mm)			
• Length	1650	1650	2000
• Width	750	750	750
• Height	1158	1158	1068
• Weight (kg)	575	750	950

SOUNDPROOF VERSIONS (S)

Noise level (dBA)	74	74
Fuel tank capacity (l)	130	130
Dimensions (mm)		
• Length	2400	2600
• Width	1100	1100
• Height	1500	1500
• Weight (kg)	1250	1400

Weight including coolant and lubricant.

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