

GDD SERIES

DOOSAN Powered
Diesel Generator

GENPOWER®

GENERATOR

GDD 700

Engine Speed rpm	Frequency Hz	Type of Operations	Genset Power		Engine Power (Net)	
			kVA	kW	kWm	bbh
1500	50	Prime Power	700	560	603	820
		Standby Power	635	508	552	750

STANDARD SPECIFICATIONS

Engine

- DOOSAN Heavy duty diesel engine
- Revolution: 1500 rpm
- Water cooled
- Tropical type radiator

Alternator

- VDE 0530 & IEC 34-1 standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- Short circuit resistance: 300 for 10 seconds
- Insulation class: H
- Insulation resistance: 1800 VAC
- Voltage: 50 Hz 230/400 V three phase
- Voltage regulation: $\pm 0,5\%$
- Protection class: IP23
- Power factor (cosq): 0,8
- Frequency: 50 Hz

Manuel Control Panel

- Microprocessed Electronic Control Panel
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button

Automatic Control Panel

- Microprocessed AMF Electronic Control Panel
- Protection fuses
- Battery charger
- Power Transfer (For ATS)
- Emergency stop button

Chassis

- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

Canopy

- Easy lifting and moving
- Metal parts are coated with electrostatic polyester coated, powder painted
- Thermally insulated exhaust system
- Acoustic insulation with rot*proof, moisture-repellent and non-flammable material (per DIN 4102 A2)



ENGINE

Make	Doosan
Model	P222LE-S
Rpm	rpm 1500
Number of Cylinder	12
Cylinder Arrangement	V Type
Cooling System	Water Cooled
Governor	Electronic
Cylinder Displacement	lt 21.927
Cylinder Bore x Stroke	mm 128 x 142
Compression Ratio	14.6:1
Electric System	24 VDC

Fuel Consumption %50 Loaded	lt/h	68,3
Fuel Consumption %75 Loaded	lt/h	99,8
Fuel Consumption % 100 Loaded	lt/h	130
Fuel Tank Cap. w/o Canopy	lt	1193
(w/canopy)	lt	527

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	1460 (1900)
Lenght w/o Canopy (w/canopy)	mm	3600 (5000)
Height w/o Canopy (w/canopy)	mm	2320 (2853)
Weight w/o Canopy (w/canopy)	kg	4372 (5400)

TECHNICAL SPECIFICATIONS