

GDD 490

Engine Speed rpm	Frequency Hz	Type of Operation	Genset Power		Engine Power (Net)	
			kVA	kW	hp	kW
1500	50	Prime Power	440	352	494	363
		Stand-by Power	490	392	563	414

STANDARD SPECIFICATIONS

Engine

- DAEWOO DOOSAN Heavy duty diesel engine
- Revolution: 1500
- 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 (cos ϕ) : 0,8
- Frequency: 50

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	P158LE
Number of Cylinder	8
Cylinder Arrangement	V Type
Aspiration	Turbo Intercooled
Cooling System	Water Cooled
Governor	Electronic
Displacement	lt 14,618
Cylinder Bore / Stroke	mm 128 X 142
Compression Ratio	15:1
Electric System	24VDC

Fuel Consumption %50 Loaded	lt/h	43,9
Fuel Consumption %75 Loaded	lt/h	65,1
Fuel Consumption %100 Loaded	lt/h	89,3
Fuel Tank Capacity w/o Canopy w Canopy	lt	1082 (410)

DIMENSIONS

Width w/o Canopy (w/canopy)	mm	1400 (1600)
Lenght w/o Canopy (w/canopy)	mm	3100 (4600)
Height w/o Canopy (w/canopy)	mm	2150 (2600)
Weight w/o Canopy (w/canopy)	kg	3440 (4180)

TECHNICAL SPECIFICATIONS