

Output Ratings		
Genset Model	Prime <sup>1</sup>	Standby <sup>2</sup>
380-415V, 50Hz	400 kVA / 320 kW	440 kVA / 352 kW

Ratings are given at 0,8 power factor

Dimension & Weight					
	Length [mm]	Width[mm]	Height[mm]	Weight[kg]	Fuel Tank Capacity
Without canopy	3550	1450	1820	3207	580
With canopy	4420	1450	2200	4059	
With Lube Oil & Coolant					

Engine Technical Data	
Engine Model :	SDEC - SC 15G500D2
Number of Cylinders:	6 / Inline
Cycle :	4 Stroke
Bore / Stroke [mm] :	135 / 165
Induction :	Turbocharged - Intercooled
Cooling Method :	Water cooled
Governor Type :	Electronic
Compression Ratio :	15.5:1
Displacement [lt] :	14.16
Electrical Sys. Voltage	24 / Negative

Cooling System	
Cooling System Capacity [lt] :	76

Lubrication System	
Total Oil Capacity [lt] :	41

Exhaust System	
Max. Allowable Back Pressure [kPa] :	6

Fuel System				
Fuel Filter Type :	Replaceable Element			
Recommended Fuel :	Class A2 Diesel			
Fuel Consumption [lt] :				
	110%	100%	75%	50%
Prime	Load	Load	Load	Load
50Hz	90.3	81.2	59.8	41.1

Exhaust Gas Temp. [ °C ] :	600
----------------------------	-----

Fuel Tank Capacity ( L ) :	580
----------------------------	-----

Performance	
Engine Speed [rpm] :	1500
Gross Engine Power [kW] :	
Prime	340
Standby	374

Air Systems	
Air Filter Type :	Replaceable Element

(Based on diesel fuel with a spec. gravity of 0,84 and complied with BS2869, Class A2)

Alternator Data	
Manufacturer :	Linz Electric
Model :	PRO 28 LG/4
No. of Bearings :	Single
Insulation Class:	H
Winding Pitch :	2/3
Number of Wire :	6
Protection Class :	IP23
Efficiency:	93.8%
Voltage Regulation (Steady State) :	1.0%
Total Harmonic Content:	4.0%
Apparent power Standby [kVA]:	440

### Available Options

Arken offers a range of optional features to tailor our gensets to meet your power requirements.

Options:

- \* A wide range of Sound Attenuated Enclosures
- \* A variety of generating set control and synchronising panels
- \* Additional alarms and shutdowns
- \* A selection of exhaust silencer noise levels

For further information on all of the standard and optional features for this product, please contact ARKEN or visit [www.arkengenerator.com](http://www.arkengenerator.com)

**1-Prime Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) of commercially purchased power. There is no limitation to the annual hours of operation, this model can supply 10% overload power 1 hour in each 12 hours.

**2-Standby Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the event of an utility power failure.No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528)

**Standard Reference Conditions:** Standart reference conditions 25°C Air Inlet Temp. 100m, 30% relative humidity.