

DOOSAN

G400-III A & G500-III A | Product Range



New Stage IIIA generators

For a greener future



Reliable electrical power supply

The output performance stability of these two new generators is ensured by an optimized powertrain featuring a combination of Scania Stage IIIA L6 (G400-III A) and V8 (G500-III A) engines and Leroy Somer alternators. The G400-III A and G500-III A have a standard fuel capacity offering a minimum of 12 hours of continuous operation, at 75% of the load. A 20 hours onboard fuel tank configuration is available as an option.

Powerful Leroy Somer alternators with the AREP excitation system provide best-in-class motor-starting performance, ideal for powering crushers, transport bands, asphalt or concrete batching plants and other heavy duty applications with high start-up demands. To increase long term reliability in harsh environments, both models feature as standard "heavy duty" protection for the rotor and stator windings.

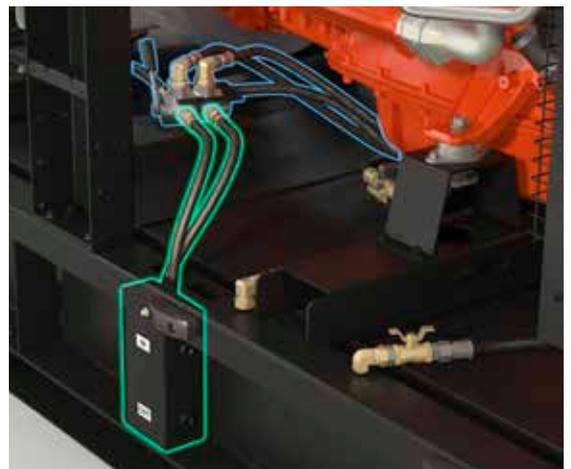


Flexible fuel supply system

Both 12 and 20 hours autonomy fuel tank frames offer a 110% fluid containment capacity. The containment drain port is a standard feature for both models.

In addition, as fuel quality and storage are the main concerns for rental companies, routine fuel tank maintenance tasks have been greatly simplified with special attention to the fuel tank cleaning and port draining processes.

A robust 3-way fuel supply valve is available as an option. Combined with an external fuel connection module, the system will provide maximum autonomy.



Control panel configurations

Both models feature a standard digital control panel with optional switchable 50/60 Hz dual frequency. These two generator units are also available with a synchronization panel option to provide maximum reliability and flexibility for critical applications.



Easy and safe operation

The electrical control and power compartment has been designed to meet the highest safety, reliability and flexibility requirements. All control functions are grouped together on a common,

simple-to-use operator control panel with easy-to-read analogue gauges displaying critical operating parameters at a glance.

The power supply pedestal features a robust busbar connection with high quality electrical protection and an adjustable earth leakage relay as standard features. A multi grounding/neutral module is also available as an option.

Safe and easy access to key lifting and maintenance areas has been a priority throughout the design of these new generators.



Specifications



Models	G400-III A	G500-III A
Electrical performance and components		
Prime power @ 1500 RPM (50 Hz)	400 kVA	500 kVA
Stand-by power @ 1500 RPM (50 Hz)	440 kVA	550 kVA
Frequency	50 Hz (60 Hz - optional)	50 Hz (60 Hz - optional)
Voltage, single phase / triple phase (50 Hz)	230 V / 400 V	230 V / 400 V
Maximum sound power level @ 75% load	98 LwA	99 LwA
Alternator make	Leroy Somer	Leroy Somer
Alternator model	47.2 S4	47.2 M7
Alternator excitation type	AREP	AREP
Alternator insulation class	H	H
Alternator IP rating	IP 23	IP 23
Main breaker make	Schneider Electric	Schneider Electric
Engine		
Make	Scania	Scania
Model	DC13 071A	DC16 071A
Emission compliance	EU Stage IIIA	EU Stage IIIA
Prime power (engine - net)	364	438
Cylinders	L6	V8
Electrical supply (DC)	24 V	24 V
Speed regulation accuracy (steady state)	+ / - 0.25 %	+ / - 0.25 %
Fuel tank, usable capacity - std / extended	1050 l / 1750 l	1050 l / 1750 l
Fuel consumption @ 75% of the load	64.5 l/h	83 l/h
Runtime @ 75% of the load - std / extended fuel tank	16 h / 27 h	13 h / 21 h
Dimensions & weights		
Length	4760 mm	4760 mm
Width	1740 mm	1740 mm
Height - std / extended fuel tank	2340 mm / 2540 mm	2340 mm / 2540 mm
Dry weight - std / extended fuel tank	5010 kg / 5195 kg	5495 kg / 5195 kg
Wet weight - std / extended fuel tank	5985 kg / 6650 kg	6490 kg / 7155 kg
Standard features		
Digital control panel	○	○
Electronic speed regulation	○	○
Two element air filter	○	○
Fuel filter with water separator	○	○
Hinged radiator access door	○	○
Coolant fluid and engine oil external drains	○	○
Double wall fuel tank standard runtime (min. 10 h at 75% of the load)	○	○
Containment base, 110% of all fluids	○	○
Removable fuel filling port for tank cleaning	○	○
Combined containment and fuel tank drain plugs	○	○
Forklift pockets	○	○
Central lifting point	○	○
Safe lifting point access	○	○
Keys on main access doors	○	○
Robust battery isolator switch	○	○
Automatic start voltage free terminals	○	○
4-poles circuit breaker	○	○
Adjustable earth leakage protection	○	○
Robust connection busbar	○	○
Heavy duty alternator winding impregnation (LS System 2)	○	○
Options		
Dual frequency with digital control panel	■	■
Multiple neutral / earthing systems	■	■
Synchronization panel with AGC200 or AGC4 (Power Management Software optional)	■	■
Double wall fuel tank extended runtime (min. 24 h at 75% of the load)	■	■
3-way fuel supply internal valve block	△	△
3-way fuel supply internal valve block - external fuel connection ready	△	△
Riveted cover for containment / fuel tank drain plugs	△	△
Frame peripheral rubber protection	△	△
Earth rod and cable	△	△
Heavy duty alternator winding impregnation (LS System 4)	■	■
Oil sump pump	△	△
Containment manual drain pump (factory mounted)	■	■
Socket panel CE	△	△
Socket panel UK	△	△
Battery charger (230 V) and engine block heater	△	△
Refinery kit	■	■
Customized colour (canopy / canopy and frame)	■	■

○ = Standard ■ = Optional △ = Retrofittable option

Your journey with a **Doosan Portable Power generator** starts here



Warranty

We protect your purchase or lease with a 1 year or 2000 hours warranty (whichever occurs first) on the entire generator package, 2 years or 4000 hours on the alternator as well as 2 years or 4000 hours on all our engines.

Aftermarket solutions and service

- Dealer stocking program for frequently used parts
- Express availability for other parts
- Support for you and your dealer with diagnostic expertise on difficult service problems

Financial solutions

We provide financing and leasing options tailored to meet your individual business needs. Our streamlined loan application and credit approval process can quickly make your business plans a reality.

Remarketing services

We help our customers to sell and buy used equipment by providing them a direct online connection to a large inventory of previously-owned equipment, anywhere in the world.



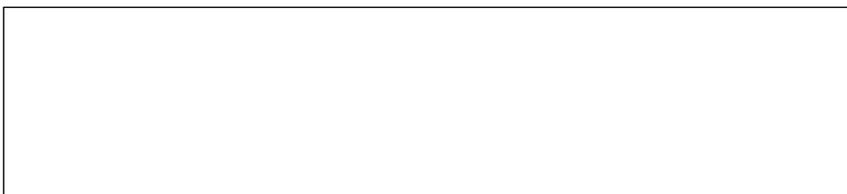
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More than generators



Portable Power

Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.

