

# DOOSAN

G40-III A & G60-III A | Product Range



# New Stage IIIA generators

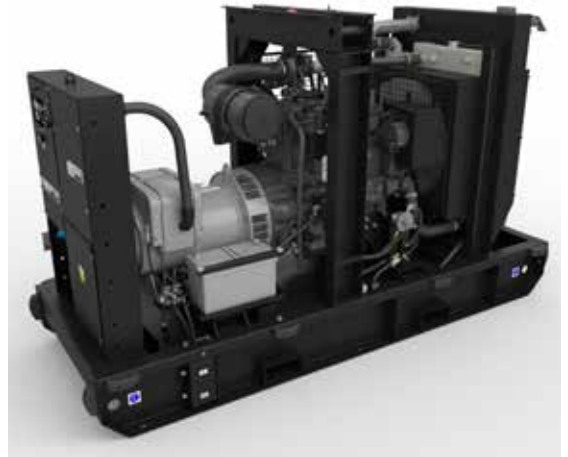
## For a greener future



### Reliable electrical power supply

The output performance stability of these two new generators is ensured by an optimized powertrain featuring a combination of Yanmar (G40-III A) and John Deere (G60-III A) engines and Leroy Somer alternators. The G40-III A and G60-III A have a standard fuel capacity offering a minimum of 10 hours of continuous operation, at 75% of the load. A 24 hour 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 pumps, cranes and other applications with high start-up demands. To increase long term reliability in harsh environments, both models feature as standard "heavy duty" protection of the rotor and stator windings.

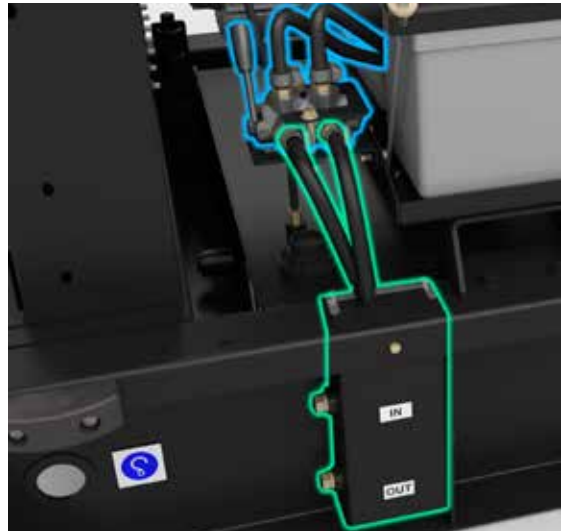


### Flexible fuel supply system

Both 10 and 24 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.



### 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	G40-III A	G60-III A
<b>Electrical performance and components</b>		
Prime power @ 1500 RPM (50 Hz)	40 kVA	60 kVA
Stand-by power @ 1500 RPM (50 Hz)	44 kVA	66 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	92 LwA	92 LwA
Alternator make	Leroy Somer	Leroy Somer
Alternator model	LSA 42.3 S5	LSA 42.3 L9
Alternator excitation type	AREP	AREP
Alternator insulation class	H	H
Alternator IP rating	IP 23	IP 23
Main breaker make	Schneider Electric	Schneider Electric
<b>Engine</b>		
Make	Yanmar	John Deere
Model	4TNV98T-ZGGE	4045HFG81
Emission compliance	EU Stage IIIA	EU Stage IIIA
Prime power (engine - net)	37.9 kW	56 kW
Cylinders	4 (in line)	4 (in line)
Electrical supply (DC)	12 V	12 V
Speed regulation accuracy (steady state)	+/- 0.25%	+/- 0.25% (with ESR option)
Fuel tank, usable capacity - std / extended	177 l / 358 l	177 l / 358 l
Fuel consumption @ 75% of the load	7.4 l/h	12.7 l/h
Runtime @ 75% of the load - std / extended fuel tank	18.5 h / 41 h	10.5 h / 24 h
<b>Dimensions &amp; weights</b>		
Length	2560 mm	2560 mm
Width	975 mm	975 mm
Height - std / extended fuel tank	1570 mm / 1740 mm	1570 mm / 1740 mm
Dry weight - std / extended fuel tank	1265 kg / 1300 kg	1590 kg / 1625 kg
Wet weight - std / extended fuel tank	1410 kg / 1570 kg	1730 kg / 1890 kg
<b>Standard features</b>		
Electronic speed regulation (G40-III A only)	○	■
Two element air filter	○	○
Fuel filter with water separator	○	○
Radiator access door	○	○
Coolant fluid and engine oil external drains	○	○
Double wall fuel tank standard runtime (min. 12 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 steps	○	○
Keys on all access doors	○	○
Robust battery isolator switch	○	○
Analogue panel (gauges, auto-start control and alarms / shutdown module)	○	○
Automatic start voltage free contacts	○	○
4-pole circuit breaker	○	○
Fixed earth leakage relay 30 mA - 30 A	○	○
Robust connection busbar	○	○
Heavy duty alternator winding impregnation (LS System 2)	○	○
<b>Options</b>		
Digital control panel	■	■
Electronic speed regulation (ESR – G60-III A only)	○	■
Dual frequency with digital control panel (Includes electronic speed regulation for G60-III A)	■	■
Multiple neutral / earthing systems	■	■
Fixed 30mA earth leakage relay (G40-III A only)	■	■
Adjustable earth leakage relay (30mA - 30A)	■	■
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 the John Deere and Yanmar 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.



With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people. From engineers and factory technicians, to field representatives and your dealer, we support your purchase. We are committed to helping you realise maximum value job after job, day after day. Wherever you see a piece of Doosan Portable Power equipment, you'll know that all of the Doosan Portable Power team is behind it.

Our industry-leading support system will help to keep your Doosan Portable Power equipment up and running for as long as you own it. Doosan Portable Power is committed to supporting each product throughout its life. We are committed to offering you an invaluable source of product information, financial service, training, technical service bulletins, service, parts and more...

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**More than generators**



**Portable Power**

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