

DOOSAN

G20-IIIA & G30-IIIA | Generators



Portable Power

New Stage IIIA generators

For a greener future

Greener, quieter, smarter

These new products have been developed to include lowest emission level engine, compliant to the most stringent requirement in place, together with improvements on the packaging to reduce noise emission as low as LWA 89 for the G20.

New engines allow for up to 30 % lower consumption compared to previous models or competition which makes the product a winning package for customers looking at long running hours.



Reliable electrical power supply

The output performance stability of these two new generators is ensured by an optimized powertrain featuring a combination of Yanmar engines and Leroy Somer alternators. The G20-III A and G30-III A have a standard fuel capacity offering a minimum of 47 hours of continuous operation, at 75% of the load.



Flexible fuel supply system

Both 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

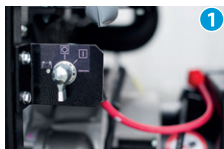
The electrical control and power compartment has been designed to meet the highest safety, reliability and flexibility requirements. All control functions are grouped together on a common, simple-to-use operator Deep Sea digital control panel displaying critical operating parameters at a glance.

The power supply pedestal features a robust busbar connection with high quality electrical protection as standard with optional earth

leakage relay fixed or adjustable for more sensitive applications. Safe and easy access to key lifting and maintenance areas has been a priority throughout the design of these new generators.



Specifications



Models	G20-III A	G30-III A
Electrical performance and components		
Prime power @ 1500 RPM (50 Hz)	19 kVA	30 kVA
Stand-by power @ 1500 RPM (50 Hz)	19 kVA	33 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	89 LwA	91 LwA
Alternator make	Leroy Somer	Leroy Somer
Alternator model	TAL 040F	TAL 042 C
Alternator excitation type	SHUNT	SHUNT
Alternator insulation class	H	H
Alternator IP rating	IP 23	IP 23
Main breaker make	Schneider Electric	Schneider Electric
Engine		
Make	Yanmar	Yanmar
Model	4TNV88	4TNV98
Emission compliance	EU Stage IIIA	EU Stage IIIA
Prime power (engine - net)	18 kWm	30 kWm
Cylinders	4 (in line)	4 (in line)
Electrical supply (DC)	12 V	12 V
Speed regulation accuracy (steady state)	+/- 0.25% (with ESR option)	+/- 0.25%
Fuel tank, usable capacity – std / extended	181 l	220 l
Fuel consumption @ 75% of the load	3.88 l/h	3.99 l/h
Runtime @ 75% of the load – std / extended fuel tank	47h	55h
Dimensions & weights		
Length	1868 mm	2174 mm
Width	812 mm	965 mm
Height – std / extended fuel tank	1495 mm	1561 mm
Dry weight – std / extended fuel tank	861 kg	1123 kg
Wet weight – std / extended fuel tank	1003 kg	1300 kg
Standard features		
Electronic speed regulation	■	○
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	○	○
Combined containment and fuel tank drain plugs	○	○
Forklift pockets	○	○
Central lifting point	○	○
Keys on all access doors	○	○
Robust battery isolator switch	○	○
Automatic start voltage free contacts	○	○
4-pole circuit breaker	○	○
Fixed earth leakage relay 300 mA	○	○
Robust connection busbar	○	○
Heavy duty alternator winding impregnation (LS System 2)	○	○
Options		
Two element air filter	■	■
Digital control panel	■	■
Electronic speed regulation (ESR - G20-III A only)	■	○
Dual frequency with digital control panel (includes electronic speed regulation for G20-III A)	■	■
Fixed 30mA earth leakage relay	■	■
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	△	△
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 - = Not available

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 alternator as well as 2 years or 4000 hours on engine.

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...

www.doosanportablepower.eu

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.