

DOOSAN

Product Range | Generators



Portable Power

Doosan Portable Power

Performance you can trust

Our complete new line of generators, ranging from 20 to 500 kVA prime power, deliver performance you can trust to provide power in critical applications. They offer innovative features that [simplify operation](#), [enhance serviceability](#), [reduce downtime](#) and promote [environmental friendliness](#). Their reliability, combined with our dedicated professional service support, make them the best choice for demanding applications.



Controls & connections easy to use

All controls and power connections are grouped together at the rear of the unit for enhanced [safety](#) and [convenience](#). The control panel is easy to use, allows a high degree of customisation, lets users manage output and offers many other functions for optimum performance.

Extended runtime

The combination of a [high-capacity fuel tank](#) and [low fuel consumption](#) enables our generators to run at least 24 hours without refuelling, ensuring uninterrupted power for your critical applications and [reducing operating costs](#).





| Control Panel Features G20 to G500 | Analog | Digital |
|--|--------|---------|
| MEASUREMENTS | | |
| AC voltage phase-phase | ○ | ○ |
| AC voltage phase-phase and phase-neutral | x | ○ |
| AC amperes per phase | ○ | ○ |
| Ammeter selector switch | ○ | ○ |
| Frequency meter | ○ | ○ |
| Running hours | ○ | ○ |
| Fuel level | ○ | ○ |
| Battery voltage | ○ | ○ |
| Oil pressure | ■ | ○ |
| Coolant temperature | ■ | ○ |
| RPM (revolutions per minute) | x | ○ |
| INDICATORS | | |
| Engine running | ○ | ○ |
| Preglow | ○ | ○ |
| ECU status (Electronic engines) | ○ | ○ |
| In-auto light | ○ | x |
| Not-in-auto light | x | ○ |
| SHUTDOWN & WARNINGS | | |
| Low oil pressure shutdown | ○ | ○ |
| High coolant temperature shutdown | ○ | ○ |
| Low coolant level shutdown (from G250 to G500) | ○ | ○ |
| Engine general fault shutdown (from G60 to G500) | ○ | ○ |
| Engine overspeed shutdown | ○ | ○ |
| Engine overcrank | ○ | ○ |
| Low fuel warning/shutdown | ○ | ○ |
| Battery charge fail warning | ○ | ○ |
| High containment level warning | ○ | ○ |
| MISCELLANEOUS | | |
| Panel lamp | ○ | ○ |
| Buttons for start/stop/mode/fault reset | ○ | ○ |
| Emergency stop shutdown | ○ | ○ |
| Remote start/stop | ○ | ○ |
| Engine diagnostic codes on display | x | ○ |
| Language selection | x | ○ |
| History capability (events/warning/shutdown) | x | ○ |

○ = Standard ■ = Optional x = Not Applicable

Socket configurations:

| | | | |
|----------------------------------|-------------------------|-------------------------|-------------------------|
| 1) European sockets G20 & G30: | 3 x CE 1-phase 16A 230V | 1 x CE 3-phase 32A 400V | |
| 2) European sockets G40 to G500: | 2 x CE 1-phase 16A 230V | 1 x CE 3-phase 32A 400V | 1 x CE 3-phase 63A 400V |
| 3) UK sockets G40 to G500: | 2 x CE 1-phase 16A 110V | 1 x CE 3-phase 32A 400V | 1 x CE 3-phase 63A 400V |



Specifications



| Models | | G20 | G30 | G40 | G60 | G80 |
|---|-----|--------------|-------------|-------------|--------------|-------------|
| PERFORMANCE | | | | | | |
| Prime power | kVA | 19 | 30 | 40 | 60 | 80 |
| Standby power | kVA | 19 | 33 | 44 | 66 | 88 |
| Frequency | Hz | 50 | 50 | 50 | 50 | 50 |
| Voltages, single phase / 3 phases | V | 230/400 | 230/400 | 230/400 | 230/400 | 230/400 |
| Maximum sound power level | LwA | 89 | 90 | 87 | 91 | 94 |
| Alternator | | Leroy Somer | Leroy Somer | Leroy Somer | Leroy Somer | Leroy Somer |
| Alternator excitation type | | Shunt | Shunt | AREP | AREP | AREP |
| Insulation class | | H | H | H | H | H |
| Control panel | | Digital | Digital | Analog | Analog | Analog |
| Engine | | | | | | |
| Make | | Yanmar | Yanmar | Yanmar | John Deere | John Deere |
| Model | | 4TNV88 | 4TNV98 | 4TNV98T | 4045HFG81 | 4045HFG82 |
| Prime power engine | kW | 18 | 30,7 | 37,9 | 56 | 75 |
| Number of cylinders | | 4 | 4 | 4 | 4 | 4 |
| Electrical system | V | 12 | 12 | 12 | 12 | 12 |
| Speed regulation accuracy (steady state) | | + / - 0.25%* | + / - 0.25% | + / - 0.25% | + / - 0.25%* | + / - 0.25% |
| Fuel tank usable capacity | l | 150 | 199 | 177/358 | 177/358 | 280/560 |
| Fuel consumption @ 75% load | l/h | 3.88 | 3.99 | 8 | 14 | 14 |
| Runtime @ 75% load | h | 47 | 55 | 18.5/41 | 10.5/24 | 19.5/39 |
| Emissions Tier level | 1 | Stage IIIA | Stage IIIA | Stage IIIA | Stage IIIA | Stage IIIA |
| Weights & Dimensions | | | | | | |
| Length | mm | 1869 | 2133 | 2560 | 2560 | 2739 |
| Width | mm | 813 | 955 | 970 | 970 | 1200 |
| Height | mm | 1382 | 1448 | 1570/1740 | 1570/1740 | 1666/1834 |
| Dry weight | kg | 846 | 1134 | 1265/1300 | 1590/1625 | 1798/1975 |
| Wet weight | kg | 999 | 1329 | 1410/1570 | 1730/1890 | 2070/2495 |
| Standard Features | | | | | | |
| Double-wall fuel tank | | ○ | ○ | ○ | ○ | ○ |
| Containment base, 110% of all fluids | | ○ | ○ | ○ | ○ | ○ |
| Forklift pockets | 2 | ○ | ○ | ○ | ○ | ○ |
| Two stage heavy duty air filter | | ○ | ○ | ○ | ○ | ○ |
| Central lifting point | | ○ | ○ | ○ | ○ | ○ |
| External emergency stop button | | ○ | ○ | ○ | ○ | ○ |
| Battery isolator switch | 3 | ○ | ○ | ○ | ○ | ○ |
| Protective guard against hot spots | | ○ | ○ | ○ | ○ | ○ |
| Single 80% step load capability | | ○ | ○ | ○ | ○ | ○ |
| 4-pole circuit breaker | | ○ | ○ | ○ | ○ | ○ |
| Automatic start voltage free terminals | | ○ | ○ | ○ | ○ | ○ |
| Fuel water separator | | ○ | ○ | ○ | ○ | ○ |
| Rigid bus bar terminal (5 poles) | | ○ | ○ | ○ | ○ | ○ |
| Voltage adjusting potentiometer | | ○ | ○ | ○ | ○ | ○ |
| Low level coolant shutdown | | ○ | ○ | ○ | ○ | ○ |
| Options | | | | | | |
| Advanced digital control panel | 4 | ■ | ■ | ■ | ■ | ■ |
| Dual frequency | | ■* | ■ | ■ | ■* | ■ |
| Synchronization panel | 5 | × | × | × | × | × |
| Earth rod & cable | | ■ | ■ | ■ | ■ | ■ |
| Oil sump pump | | ■ | ■ | ■ | ■ | ■ |
| Containment drain pump | | × | × | × | × | × |
| Fixed earth leakage protection | | ■ | ■ | ■ | × | × |
| Adjustable earth leakage protection | | ■ | ■ | ■ | ■ | ○ |
| Sockets | 6 | △ | △ | △ | △ | △ |
| 3-way fuel valve | 7 | ■ | ■ | ■ | ■ | ■ |
| Super start package (block/jacket heater and battery charger) | | ■ | ■ | ■ | ■ | ■ |
| Refinery kit | | × | × | ■ | ■ | ■ |
| Electronic governor | | ■ | ○ | ○ | ■ | ○ |
| Heavy duty impregnation for alternator | | ○ | ○ | ○ | ○ | ○ |
| Tropicalisation (system 4) | | × | × | ■ | ■ | ■ |
| Customized colour | | ■ | ■ | ■ | ■ | ■ |

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 engine and alternator.

Aftermarket solutions and service

- Dealer stocking program for frequently used parts
- Express availability for other parts
- Technical support (available at our manufacturing plant for all product lines)
- 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.





Compact size / Easy accessibility

Our generators are compact and designed to run **quietly**, maximising performance while powering a full load in high temperature conditions. They are among the **lightest and most compact** generators in the industry, reducing logistic and transport costs. Furthermore, their large doors provide easy accessibility and **facilitate serviceability** without compromising the compactness.



Easy to handle

All models feature forklift pockets and lifting hooks that allow you to place the generator where you want it - **easily, quickly and safely**.

Environmentally friendly

Each model features **110% containment capacity** to prevent any spillage of fuel, oil or coolant onto the ground. In addition, all models will progressively be modified to meet **EU Stage IIIA** emission regulation. They deliver high output at low sound levels thanks to their innovative enclosure with sound-reducing insulation, optimized fan speeds and critical grade exhaust components.

Reliable

All units from 40 kVA feature powerful alternators with **AREP** excitation which gives best in class motor-starting capability. They feature a heavy-gauge enclosure finished with a superior zinc rich primer and a durable powder final paint to provide the ultimate in corrosion resistance for long life and high resale values. Last but not least, **intensive endurance testing procedures** ensure that our generators are among the most **durable** and reliable on the market.

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.

