



Doosan Infracore  
Portable Power

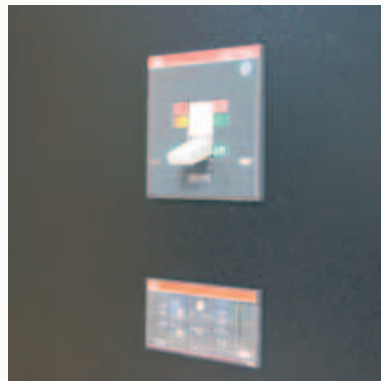
## PowerSource Generators | Product Range



# Doosan PowerSource

## Performance you can trust

Doosan Infracore Portable Power is proud to present its complete new line of generators ranging from 20 to 500 kVA. **PowerSource** delivers performance you can trust to power critical applications and offers innovative features that **simplify operation, enhance serviceability, reduce downtime** and promote **environmental friendliness**. The reliability of these generators combined with the dedicated Doosan Infracore Portable Power service support make PowerSource the best choice for tough applications.



### Controls & Connections easy to use

All controls and power connections are consolidated at the rear of the unit for enhanced **safety** and **convenience**. The PowerSource control panel is easy to use, allows high degree of customisation and lets users manage generator output and many other functions for optimal performance.

### Extended Runtime

The combination of **high-capacity fuel tank** and **low fuel consumption** allows PowerSource generators to run at least 24 hours without refueling, ensuring uninterrupted power to your critical applications and thereby **reducing operating costs**.



### Compact/Accessibility

PowerSource generators are designed to be **compact and quiet**, and maximised performance while powering a full load in high temperature conditions. They are among the **lightest and smallest** of the industry thus reducing logistic and transport costs. Furthermore their large doors provide perfect accessibility and **facilitate serviceability** without compromising the compactness.

### Easy to handle

All PowerSource models feature forklift pockets and lifting hooks that allow you to move and install your generator **easily, quickly, safely** and without damaging your investment.

### Environmental friendliness

Each model features **110% environmental containment** to prevent any spillage of fuel, oil, or coolant. In addition, PowerSource is equipped with Stage 2 engines. PowerSource achieves powerful high-output performance with low sound output, thanks to its innovative enclosure with sound-reducing insulation, optimized fan speeds and critical grade exhaust components.

### Reliable

All PowerSource units feature powerful alternators with **AREP** excitation which gives best in class motor-starting capability. PowerSource features 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 exceptional resale values. Finally, Doosan Infracore Portable Power **intensive endurance testing procedures** make PowerSource the most durable and reliable generators.



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 (rotation per minute)	x	○
	Indicators	Engine running	○
Preglow		○	○
ECU status (from G60 to G500)		○	○
In-auto light		○	x
Not-in-auto light		x	○
Shutdown & warnings	Low oil pressure shutdown	○	○
	High coolant temperature shutdown	○	○
	Low coolant level shutdown (from G160 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	○	○
	Engines 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:	1 X CE 1Ø 16A 230V	1 X CE 3Ø 16A 400V	1 X CE 3Ø 32A 400V	1 X Schucoco 1Ø 16A 230V	1 X Room for additional socket
2) European sockets G40 to G500:	1 X CE 1Ø 16A 230V	1 X CE 3Ø 32A 400V	1 X CE 3Ø 63A 400V	1 X Schucoco 1Ø 16A 230V	1 X Room for additional socket
3) UK sockets G20 to G30:	2 X CE 1Ø 16A 110V	1 X CE 3Ø 16A 400V	1 X CE 3Ø 32A 400V		
4) UK sockets G40 to G500:	2 X CE 1Ø 16A 110V	1 X CE 3Ø 32A 400V	1 X CE 3Ø 63A 400V	1 X Room for additional socket	



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# PowerSource Generators Specifications

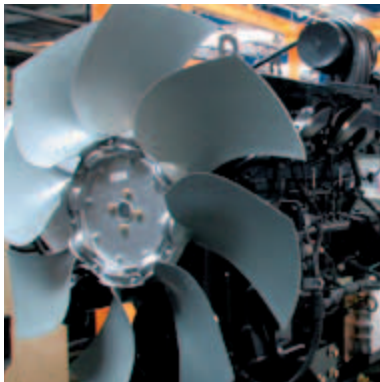


Models	G20	G30	G40	G60	G80
<b>PERFORMANCE</b>					
Prime power (kVA)	20	31	40	61	80
Standby power (kVA)	22	31	42	65	88
Frequency (Hz)	50	50	50	50	50
Voltages, single phase / 3 phase (V)	230/400	230/400	230/400	230/400	230/400
Maximum sound power level (LWA)	94	94	96	92	94
Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
Alternator excitation type	AREP	AREP	AREP	AREP	AREP
Insulation Class	H	H	H	H	H
Control Panel	Analog	Analog	Analog	Analog	Analog
<b>ENGINE</b>					
Make	Mitsubishi	Mitsubishi	Mitsubishi	John Deere	John Deere
Model	4IRQ2N	4IRS2N	4IRS2T	4IRD5T	4IRD5AE
Prime power engine (kW)	21	29	38	55	75
Number of cylinders	4	4	4	4	4
Electrical system (V)	12	12	12	12	12
Speed regulation accuracy (Steady State)	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%	+ / - 0.25%
Fuel tank usable capacity (L)	150	199	413	413	716
Fuel consumption @ 75% Load (L/hr)	4.7	6.5	8.5	11.7	14.9
Runtime @ 75% load (hr)	32	30.4	48.4	35.2	48.0
<b>WEIGHTS &amp; DIMENSIONS</b>					
Length (mm)	1862	2165	2471	2471	2720
Width (mm)	889	1003	1003	1003	1214
Height (mm)	1382	1448	1750	1750	1763
Dry weight (kg)	846	1134	1260	1560	1714
Wet weight (kg)	999	1329	1649	1949	2377
<b>STANDARD FEATURES</b>					
Double-wall fuel tank	○	○	○	○	○
Bunding capacity min.110% fluid	○	○	○	○	○
Forklift pockets <sup>1</sup>	○	○	○	○	○
Two stage heavy duty air filter	○	○	○	○	○
Earth rod & cable	○	○	○	○	○
Central lifting point	○	○	○	○	○
External emergency stop button	○	○	○	○	○
Battery isolator switch <sup>2</sup>	○	○	○	○	○
Protective guard against hot spots	○	○	○	○	○
Single 80% step load capability	○	○	○	○	○
Oil sump pump	○	○	○	○	○
4-pole circuit breaker	○	○	○	○	○
Remote start	○	○	○	○	○
Fuel water separator	○	○	○	○	○
Rigid bus bar terminal (5 poles)	○	○	○	○	○
Voltage adjusting potentiometer	○	○	○	○	○
Low level coolant shutdown	×	×	×	×	×
Earth leakage protection	Fixed 300mA	Fixed 300mA	Fixed 300mA	Adjustable	Adjustable
<b>OPTIONS</b>					
Digital control panel <sup>3</sup>	■	■	■	■	■
Synchronization panel <sup>4</sup>	×	×	×	×	×
Adjustable earth leakage protection	■	■	■	○	○
Sockets <sup>5</sup>	Δ	Δ	Δ	Δ	Δ
3 way fuel valve	Δ	Δ	Δ	Δ	Δ
Super Start Package (Block/jacket heater and Battery charger)	Δ	Δ	Δ	Δ	Δ
Refinery Kit (Spark arrestor option and Air Shut off valve)	×	■	■	■	■
Electronic governor	×	×	×	×	○
Heavy duty impregnation for alternator	■	■	■	■	■
Road trailer	■	■	■	■	■
Customized color	■	■	■	■	■

○ = Standard   × = Not available   ■ = Option available   Δ = Retrofittable option available



# The PowerSource journey at Doosan starts here



## Warranty

Doosan Infracore Portable Power protects your purchase or lease with a 1 year or 2,000 hours warranty (whichever first occurs) on the entire package, 2 years or 4,000 hours on the alternator as well as 2 years or 4,000 hours on Mitsubishi and John Deere engines (G20 to G200) and 2 years or 2,000 hours on Cummins engines (G250 to G500).

## Aftermarket solution

- Dealer stocking program for frequently-used parts
- Express availability for other parts
- Factory technical support (available at our manufacturing plant for all product lines)
- Supporting you and your dealer with troubleshooting expertise on difficult service problems

## Financial solutions

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.

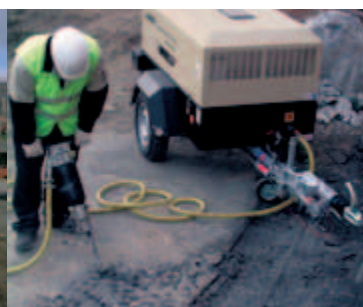
## Re-marketing services

Doosan Infracore Portable Power offers services to all its clients to help them to sales any of their used equipment by giving them a direct online connection to a vast inventory of pre-owned equipment, anywhere in the world.

At Doosan Infracore Portable Power, you are not just buying a powerful piece of equipment. You are investing in the strength of Doosan Infracore 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 realize maximum value job after job, day after day. Wherever you see a piece of Doosan Infracore Portable Power equipment, you'll know that all of Doosan Infracore Portable Power team is behind it.

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

## More than generators





[www.doosanportablepower.com](http://www.doosanportablepower.com)



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