

IR Ingersoll Rand

G10-G500

PowerSource Generators



PowerSource

Performance you can trust

Doosan Portable Power is proud to present its complete new line of generators ranging from 10 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 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**.



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 **100% 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 Portable Power **intensive endurance testing procedures** make PowerSource the most durable and reliable generators.

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.

PowerSource Specifications



Models	G10 (1 Ph)	G10 (3 Ph)	G20	G30	G40	G60
Performance						
Prime power (kVA)	8	10	20	31	40	61
Standby power (kVA)	9	11	22	31	42	65
Frequency (Hz)	50	50	50	50	50	50
Voltages, single phase / 3 phase (V)	230	230/400	230/400	230/400	230/400	230/400
Maximum sound power level (LwA)	91	91	94	94	96	92
Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
Alternator excitation type	AREP	AREP	AREP	AREP	AREP	AREP
Insulation Class	H	H	H	H	H	H
Control Panel	Analog	Analog	Analog	Analog	Analog	Analog
Engine						
Make	Ingersoll Rand	Ingersoll Rand	Ingersoll Rand	Ingersoll Rand	Ingersoll Rand	Ingersoll Rand
Model	3IRL2N	3IRL2N	4IRQ2N	4IRS2N	4IRS2T	4IRD5T
Prime power engine (kW)	10	10	21	29	38	55
Number of cylinders	3	3	4	4	4	4
Electrical system (V)	12	12	12	12	12	12
Speed regulation accuracy (Steady State)	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%	+ / - 2.5%
Fuel tank usable capacity (L)	101	101	150	199	413	413
Fuel consumption @ 75% Load (L/hr)	2.3	2.3	4.7	6.5	8.5	11.7
Runtime @ 75% load (hr)	45	45	32	30.4	48.4	35.2
Weights & Dimensions						
Length (mm)	1567	1567	1862	2165	2471	2471
Width (mm)	851	851	889	1003	1003	1003
Height (mm)	1118	1118	1382	1448	1750	1750
Dry weight (kg)	608	608	846	1134	1260	1560
Wet weight (kg)	694	694	999	1329	1649	1949
Standard Features						
Double-wall fuel tank	■	■	■	■	■	■
Bunding capacity min. 110% fluid	■	■	■	■	■	■
Forklift pockets A	■	■	■	■	■	■
Two stage heavy duty air filter	■	■	■	■	■	■
Earth rod & cable	■	■	■	■	■	■
Central lifting point	■	■	■	■	■	■
External emergency stop button	■	■	■	■	■	■
Battery isolator switch B	■	■	■	■	■	■
Protective guard against hot spots	■	■	■	■	■	■
Single 80% step load capability	■	■	■	■	■	■
Oil sump pump	■	■	■	■	■	■
4-pole circuit breaker	x	■	■	■	■	■
Remote start	x	x	■	■	■	■
Fuel water separator	x	x	■	■	■	■
Rigid bus bar terminal (5 poles)	x	x	■	■	■	■
Voltage adjusting potentiometer	x	x	■	■	■	■
Low level coolant shutdown	x	x	x	x	x	x
Earth leakage protection	Fixed 30 mA	Fixed 30 mA	Fixed 300 mA	Fixed 300 mA	Fixed 300 mA	Adjustable
Options						
Digital control panel	x	x	□	□	□	□
Adjustable earth leakage protection	x	x	□	□	□	■
Sockets C	■	■	△	△	△	△
3 way fuel valve	△	△	△	△	△	△
Super Start Package (Block/jacket heater and Battery heater/charger)	△	△	△	△	△	△
Refinery Kit (Spark arrestor option and Air Shut off valve)	x	x	x	□	□	□
Electronic governor	x	x	□	□	x	x
Heavy duty impregnation for alternator	□	□	□	□	□	□
Road trailer	□	□	□	□	□	□
Customized color	□	□	□	□	□	□

Socket configurations:

European sockets G10 (1 Phase):	1 X CE 1Ø 16A 230V	1 X Schuco 1Ø 16A 230V	1 X Room for additional socket
European sockets G10 (3 Phase):	1 X CE 3Ø 16A 230V	1 X CE 3Ø 16A 400V	1 X Schuco 1Ø 16A 230V
1) European sockets G20 & G30:	1 X CE 1Ø 16A 230V	1 X CE 3Ø 16A 400V	1 X CE 3Ø 32A 400V
2) European sockets G40 to G200:	1 X CE 1Ø 16A 230V	1 X CE 3Ø 32A 400V	1 X CE 3Ø 63A 400V
3) European sockets G250 to G500:	1 X CE 1Ø 16A 230V		1 X Schuco 1Ø 16A 230V
4) UK sockets G10 (3 Phase) to G30:	2 X CE 1Ø 16A 110V	1 X CE 3Ø 16A 400V	1 X CE 3Ø 32A 400V
5) UK sockets G40 to G200:	2 X CE 1Ø 16A 110V	1 X CE 3Ø 32A 400V	1 X CE 3Ø 63A 400V
6) UK sockets G250 to G500:	1 X CE 1Ø 16A 110V		1 X Room for additional socket

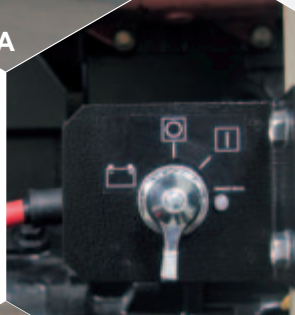


G80	G100	G160	G200	G250	G400	G500
80	105	158	200	259	410	500
88	111	174	220	294	437	550
50	50	50	50	50	50	50
230/400	230/400	230/400	230/400	230/400	230/400	230/400
94	96	95	97	97	98	99
Leroy Somer AREP H Analog	Leroy Somer AREP H Analog	Leroy Somer AREP H Analog	Leroy Somer AREP H Analog	Leroy Somer AREP H Analog	Leroy Somer AREP H Analog	Leroy Somer AREP H Analog
Ingersoll Rand 4IRD5AE	Ingersoll Rand 4IRD5AE	Ingersoll Rand 6IRF8AE	Ingersoll Rand 6IRF8AE4	Cummins QSL9-G3	Cummins QSX15-G8	Cummins QSX15-G8
75	94	139	188	227	358	444
4	4	6	6	6	6	6
12	12	12	12	24	24	24
+/- 0.25%	+/- 0.25%	+/- 0.25%	+/- 0.25%	+/- 0.25%	+/- 0.25%	+/- 0.25%
716	716	961	961	1461	2173	2173
14.9	17.6	25.1	30.4	49.4	65.2	78.7
48.0	40.7	38.3	31.6	29.6	33.3	27.6
2720	2720	3566	3566	4049	5037	5037
1214	1214	1265	1265	1425	1623	1623
1763	1763	2017	2017	2385	2548	2548
1714	1951	2678	2785	3441	5622	5749
2377	2614	3567	3674	4783	7619	7746
■	■	■	■	■	■	■
■	■	■	■	■	■	■
■	■	■	■	■	■	■
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■	■	■	■	■	■	■
x	x	■	■	■	■	■
Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
□	□	□	□	□	□	□
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□	□	x	x	x	x	x
□	□	□	□	□	□	□

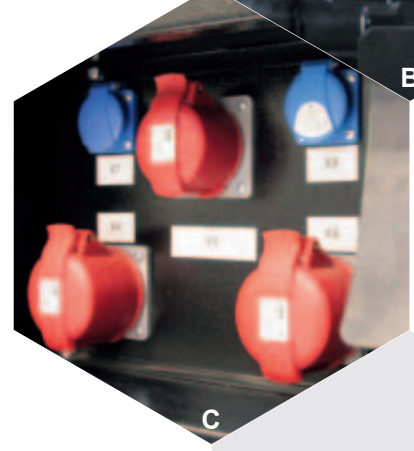
Product improvement is a continuous goal at Doosan Infracore Portable Power. Designs and specifications are subject to change without notice or obligation.



A



B



C

■ = Standard x = Not available □ = Option available △ = Retrofittable option available



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	■	■
	Auto start/stop	■	■
	Engines diagnostic codes on display	x	■
	Language selection	x	■
	History capability (events/warning/shutdown)	x	■

■ = Standard □ = Optional x = Not Applicable ** = G10 Analog Control Panel features

The **PowerSource** journey starts here



Warranty

Doosan 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 and 2 years or 4,000 hours on Ingersoll Rand branded engines (G10 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 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 Portable Power, you are not just buying a powerful piece of equipment. You are investing in the strength 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 realize maximum value job after job, day after day. Wherever you see a piece of Doosan Portable Power equipment, you'll know that all of Doosan 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 Portable Power equipment. Doosan 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





Experience the power of Doosan Infracore Portable Power equipment, industry-leading support and service. Whatever your job, Doosan Infracore Portable Power has the solution from light compactors, pneumatic tools, portable air compressors, light towers and generators. Running a successful business takes more than powerful equipment. That's why Doosan Infracore Portable Power partners have an experienced global dealer network to stand beside you every step of the way.

www.doosanportablepower.com

