



JCB RENTAL SERIES | G40RS V

Power Output (PRP): 40kVA/32kW Emission Level: EU Stage V



Don't be gentle, it's a JCB rental.

The JCB Rental Series has been designed and manufactured to give fantastic build quality using advanced technology and industry-leading components, complemented by world-class customer support. Customers anywhere in the world can choose them and expect complete peace of mind, no matter how tough the job site or application.

IT'S CLEANER.

With Particulate Matter (PM) reductions of over 95%, the JCB G40RS V brings the latest in emissions control technology without any loss in flexibility or performance.

IT'S TOUGH.

A durable Galvtech canopy with powder coat finish protects the generator from the elements, while a heavy duty baseframe protects against impact damage.

IT'S RELIABLE.

By selecting the right components and submitting them to an exhaustive 18 month testing programme, we ensure our products are right first time, every time.

IT'S EASY.

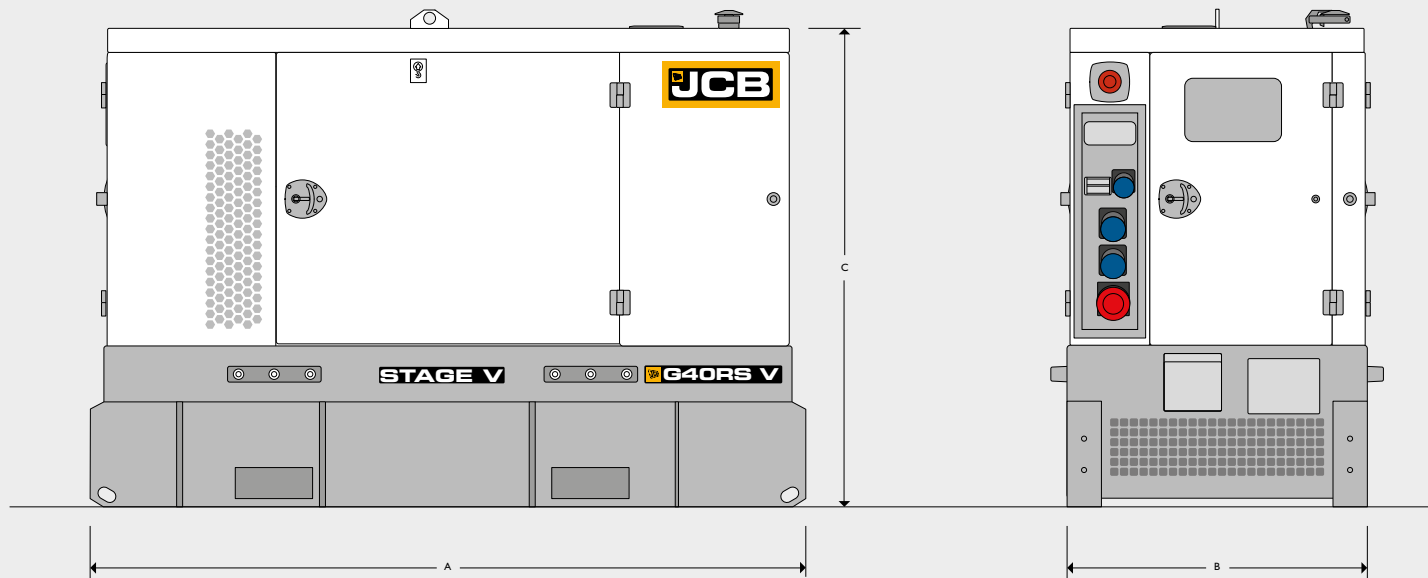
Easy to transport. Easy to deploy. Easy to operate. Fixed single point lift, integrated fork pockets and externally accessible socket connections, combine to make it easy.

IT'S EFFICIENT.

Minimising downtime is key to achieving ultimate productivity, which is why the Rental Series is designed to keep servicing and maintenance to a minimum.



WEIGHT AND DIMENSIONS



Machine model		G40RS V	
A	Length	mm	2265
B	Width	mm	1050
C	Height	mm	1574
	Shipping Volume (sea ready)	m ³	3.74
	Weight*	kg	1400

*Standard build with all fluids except fuel

ELECTRICAL

Machine model			G40RS V				
Frequency (Hz)	Phases	Voltage (V)	Prime		Standby		Rated Speed (RPM)
			kVA	kW	kVA	kW	
50	3	400/230V	40	32	44	35.2	1500

RATINGS

Prime: This rating is for the supply of continuous electrical power, at variable load, in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

Standby: Standby Power (ESP) is the maximum output available, for up to 500 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage V models are only emission compliant at 50Hz Prime Power.

ENGINE		
Machine model		G40RS V
Net Output Rating (PRP)	kW	42.4
Net Output Rating (Standby)	kW	47.1
Manufacturer and Model		JCB by Kohler KDI 2504 TCR
Engine Speed		1500 RPM
Fuel		Diesel
Injection		Direct
Aspiration		Turbo Charged
Cylinders		4
Bore and Stroke	mm	88 x 102
Displacement	L	2.482
Cooling		Water
Engine Oil Specification		API CJ4 - ACEA E9,E7,E6
Compression Ratio		17.4:1
Engine Oil Capacity	L	11.20
Coolant Capacity	L	4.20
Governor		Electronic
Air Filter		Paper Element
Engine Oil Consumption	100% Load	<0.1% of fuel consumed
Exhaust Emission Aftertreatment		DOC / DPF
Emission Standard		STAGE V

FUEL CONSUMPTION		
Machine model		G40RS V
100% Load Prime	L/h	9.56
75% Load Prime	L/h	7.44
50% Load Prime	L/h	5.43
100% Load Standby	L/h	10.32

FUEL SYSTEM		
Machine model		G40RS V
Diesel Specification		EN590 & EN15940
Fuel Tank Capacity (Total Volume)	L	226

ALTERNATOR		ECP32-2S4C
Machine model		G40RS V
Poles		4
Winding Connections		Star
Insulation		Class H
Enclosure		IP23
Exciter System		Self-regulating brushless
Voltage Regulator		Digital AVR
Steady State Voltage Regulation		+/- 1%
Bearing		Single bearing sealed
Coupling		Flexible disc
Cooling		Direct drive centrifugal blower fan
Coating		Total Protection +

EXHAUST SYSTEM		
Machine model		G40RS V
Maximum Temperature 100% Standby	°C	520
Maximum Temperature - Regeneration	°C	600
Exhaust Gas Flow 100% Standby	m³/min	16.67
Maximum Allowed Back Pressure	kPa	11
Exhaust Discharge Size	mm	60.5

AIR SYSTEM		
Machine model		G40RS V
Intake Air Flow 100% Standby	m³/h	168
Radiator Cooling Airflow	m³/s	2

SOUND PRESSURE		
Machine model		G40RS V
LpA (7m)	dB(A)	67

STARTING SYSTEM		
Machine model		G40RS V
Battery Capacity	Ah	110
Number of Batteries		1
Auxiliary Voltage	V	12
Battery Type		Sealed Lead Acid

ELECTRICAL FEATURES

Machine model	G40RS V
AVR DSR	•
Winding Protection Total +	•
MAUX	•
4 Pole Moulded Case Circuit Breaker	•
Earth Leakage Protection	+
Preparation for Earth Spike	•
External Emergency Stop Button	•
Socket Panel (1 x 63A - 3ph, 1 x 32A - 3ph, 1 x 32A - 1ph, 1 x 16A - 1ph)	+
Bund Alarm / Shut down	+
Battery Isolator	•
Battery Charger	+

CANOPY

Machine model	G40RS V
Lockable Maintenance Access Doors	•
Door Stays	•
Forklift Protection Bumpers	•
Control Panel Viewing Window	•
Integral Fork Pockets	•
Single Lift Point	•
Bunded Fuel Tank	•
4 Point Tie Down	•
High Density Fire Retardant Foam	•
JCB Yellow Paint	+
White Paint (RAL 9001)	•
Heavy Duty Rental Base	•
Galvtech Steel Canopy	•

STANDARD •
NOT AVAILABLE ○
OPTIONAL +

MECHANICAL FEATURES

Machine model	G40RS V
Cooling Pack	•
Air Filter	•
Electronic Governor	•
Low Oil Pressure Switch	•
Coolant Temperature Sender	•
Oil Temperature Sender	•
Radiator Guards	•
Hot Component Guards	•
Manual Oil Drain Pump	+
Water Jacket Heater	+
Pre-Filter with Separator	•
Racor Water/Fuel Separator	+
Fuel Level Sender	•
Internal Fuel Fill	•
3 Way Fuel Valve	•
Residential Silencer	•

JCB COMMUNICATION AND CONTROL

Machine model	G40RS V
DSE 7310	•
DSE 8610 Synchronising Controller	+
JCB LiveLink	+

STANDARD •
NOT AVAILABLE ○
OPTIONAL +

REFERENCE STANDARDS

JCB Generators are CE certified and conform to the following Directives (subject to a country requiring such standard):

- EN 12100, EN13857, EN60204
- 2006/42/CE Machinery safety
- 2006/95/EC Low voltage
- 2004/108/CE Electromagnetic compatibility
- 2000/14/EC Sound Power Level (amended by 2005/88/EC)
- 97/68/EC Emissions(amended by 2002/88/EC & 2004/26/EC)
- Power according to ISO 8528 and ISO 3046
- Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046

Information based on standard specification equipment unless otherwise stated.



ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB dealer

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Download the very latest information on this product range at: www.jcb.com

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