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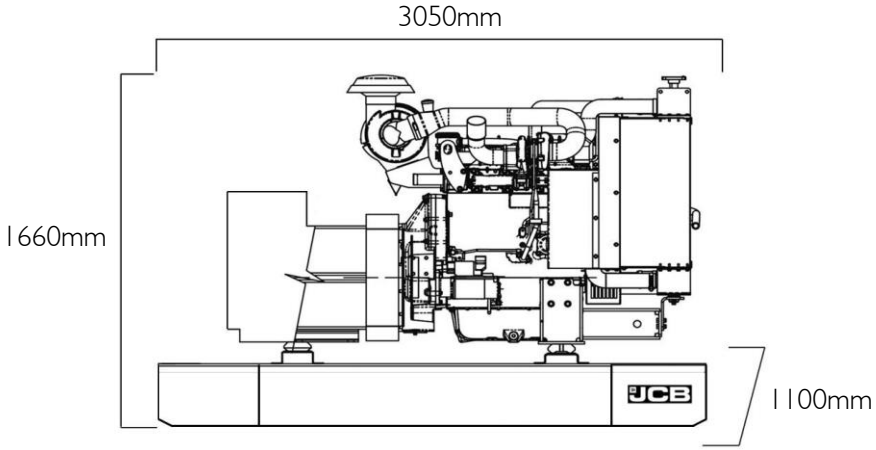

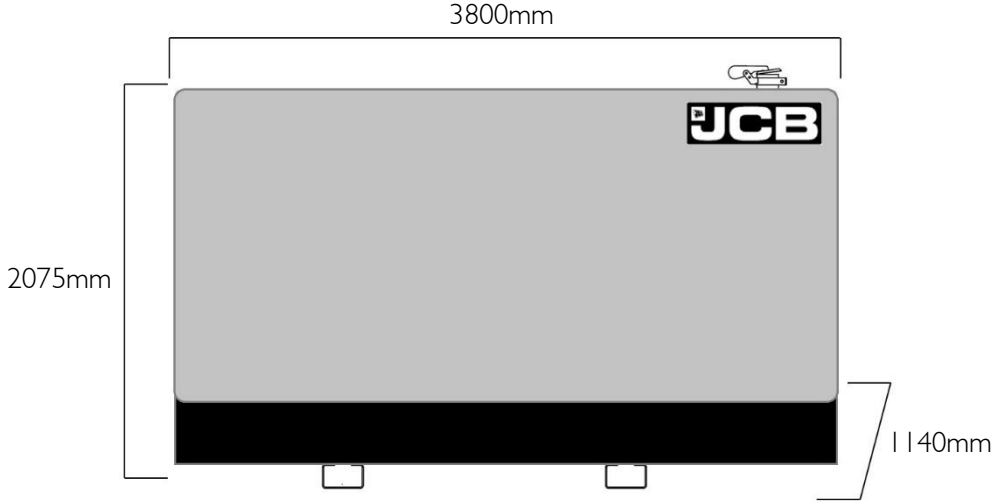

Image is for illustration purpose only.

DIESEL GENERATOR | **FUEL OPTIMISED**

ELECTRICAL

			Prime		Standby		
Frequency (Hz)	Phases	Voltage (V)	kVA	kW	kVA	kW	Rated Speed (RPM)
50	3	400/230V	180	144	198	158	1500
60	3	380/220V	180	144	198	158	1800
60	3	220/127V	183	146	206	165	1800
60	3	208/120V	183	146	206	165	1800

POWER FACTOR

3 Phase	0.8
1 Phase	1

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

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 200 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.
Stage IIIA Models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

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FUEL CONSUMPTION

100% Load Prime	L/h	50Hz	39.7
75% Load Prime	L/h		31.1
50% Load Prime	L/h		21.2
100% Load Standby	L/h		43.6
100% Load Prime	L/h	60Hz	40.2
75% Load Prime	L/h		31.3
50% Load Prime	L/h		21.2
100% Load Standby	L/h		43

EXHAUST SYSTEM

Maximum Temperature 100% Standby	°C	50Hz	495
Exhaust Gas Flow 100% Standby	m^3/min		27
Maximum Allowed Back Pressure	mbar		50
Maximum Temperature 100% Standby	°C	60Hz	440
Exhaust Gas Flow 100% Standby	m^3/min		31
Maximum Allowed Back Pressure	mbar		60

AIR SYSTEM

Intake Air Flow 100% Standby	Kg/h	50Hz	865
Total Cooling Air Flow 100% Standby (@16mm H_20 Canopy Depression)	m^3/s		7.2
Alternator Fan Airflow	m^3/s		0.53
Intake Air Flow 100% Standby	Kg/h	60Hz	983
Total Cooling Air Flow 100% Standby (@16mm H_20 Canopy Depression)	m^3/s		7.2
Alternator Fan Airflow	m^3/s		0.65

ENGINE

1500 RPM		
Gross Engine Power (PRP)	kW	170
Gross Engine Power (Standby)	kW	187
1800 RPM		
Gross Engine Power (PRP)	kW	170
Gross Engine Power (Standby)	kW	187
Manufacturer and Model		JCB 672 TA2G- 187
Fuel		Diesel
Injection		Direct
Aspiration		Turbocharged
Cylinders		6
Bore and Stroke	mm	106 x 135
Displacement	L	7.15
Cooling		Water
Engine Oil Specification		API CH4-SAE 10W40
Compression Ratio		16.9 : 1
Engine Oil Capacity	L	28
Coolant Capacity	L	26
Governor		Electronic
Air Filter		Two Stage Filtration
Engine Oil Consumption	100% Load	0,1 % of Fuel Consumed
Emission Level		FUEL OPTIMISED

FUEL SYSTEM

Diesel Specification		EN590

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ALTERNATOR ECO38-1S/4 A	
Poles	4
Winding Connections	Star
Insulation	Class H
Enclosure	IP23
Exciter System	Self Exciting Brushless
Voltage Regulator	AVR
Steady State Voltage Regulation	+/- 1.5%
Bearing	Single Bearing sealed
Coupling	Flexible Disc
Cooling	Direct Drive Centrifugal Blower Fan
Coating	Winding Protection Grey

STARTING SYSTEM		
Starter Motor	kW	4.0
Battery Capacity	Ah	110
Auxiliary Voltage	V	24

BATTERY FEATURES	
Battery Isolator	Δ
Battery Type (Optional)	Lead Acid
Battery Size (Ah)	110
Number of Batteries	2
Battery Charger	Δ

Standard: ● Not Available: x Optional: Δ

MECHANICAL FEATURES	
Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Electronic Governor	●
Low Oil Pressure Switch	●
High Coolant Temperature Switch	●
Oil Temperature Sender	x
Radiator Guards	●
Hot Component Guards	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Internal Fuel Fill	●
3 Way Fuel Valve with Quick Connector	Δ
Industrial Silencer	Δ
Bunded Base	Δ
Gravity Oil Drain Pipe	Δ
Larger Fuel Filler Neck	Δ
Fuel Level Sensor	●

Standard: ● Not Available: x Optional: Δ

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ELECTRICAL FEATURES

AVR DSR	●
AVR DER	x
Winding Protection Standard	x
Winding Protection Standard +	x
Winding Protection Grey	●
Winding Protection Total	x
Winding Protection Total +	x
MAUX	●
PMG	x
Anti-Condensation Heater	Δ
3 Pole Moulded Case Circuit Breaker	●
4 Pole Moulded Case Circuit Breaker	Δ
Earth Leakage Protection (Shunt Trip)	●
Preparation for Earth Connection	●
Optional Voltages	Δ
Synchronisation	Δ
Emergency Stop Button	●

Standard: ● Not Available: x Optional: Δ

JCB COMMUNICATION AND CONTROL

DSE 4520	●
DSE 7310	Δ
DSE 7320	Δ
DSE 8610	Δ
Live Link For Power	Δ*

* Standard on Canopied Models

Standard: ● Not Available: x Optional: Δ

CE PACK (Optional)

EMC Certification	●
Hot Guards	●
Belt Guards	●
Earth Leakage Relay	●
Sound Power Decal	●
EU Declaration for Engine Emissions	●
Complete Machine Declaration of Conformity	●

Standard: ● Not Available: x Optional: Δ

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.

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WEIGHT AND DIMENSIONS – OPEN SET

Length	mm	3050
Width	mm	1100
Height	mm	1660
Shipping Volume (sea ready)	m^3	5.57
Weight*	Kg	TBC

**Standard build with all fluids except fuel*

WEIGHT AND DIMENSIONS – CANOPY SET

Length	mm	3800
Width	mm	1140
Height	mm	2075
Shipping Volume (sea ready)	m^3	9
Weight*	Kg	3010

**Standard build with all fluids except fuel*

SOUND PRESSURE (CANOPY ONLY)

LpA (7m)	50Hz	dB(A)	68

FUEL SYSTEM

Diesel Specification		EN590
Fuel Tank Capacity - Open	L	360
Fuel Tank Capacity - Canopy	L	360

CANOPY FEATURES

Lockable Maintenance Access Doors	●
Control Panel Viewing Window	●
Fork Pockets	Δ
Single Lift Point	Δ
Bunding	Δ
High Density Fire Retardant Foam	●
Yellow Paint	●
White Paint	Δ
Four Point Lift (non CE)	Δ
Residential Silencer	●
Door Stops	Δ
Canopy Bump Stops	Δ
Manual Oil Drain Pump	Δ
1x32A 3 Phase / 1x16A 1 Phase Socket Box	x
1x63A 3 Phase / 3x32A 1 Phase Socket Box	x
1x63A 3 Phase / 1x32A 1 Phase / 2x16A 1Phase Socket Box	x
1x32A 3 Phase / 2x16A 1 Phase Socket Box	x
1x125A 3 Phase / 1x63A 3 Phase / 3x32A 3 Phase / 3x32A 1Phase Socket Box	Δ
External Emergency Stop Button	●

Standard: ● Not Available: x Optional: Δ