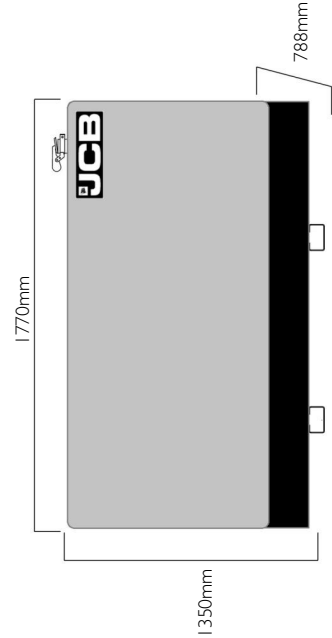


G20QS | Canopy Set
PRIME KVA: 19.30 | STANDBY KVA: 21.10



DIESEL GENERATOR FUEL OPTIMISED

ELECTRICAL									
Frequency (Hz)		Phases	Voltage (V)		Prime		Standby		Rated Speed (RPM)
					kVA	kW	kVA	kW	Minimum ATP Rating (A)
									MCB Rating (A)
50	3	400/230V	19.30	15.40	21.10	16.90			30.00
60	3	380/220V							1500
60	3	220/127V							1800
60	3	480/277V							1800
POWER FACTOR			MAXIMUM LOAD IMPACT*						
3 Phase		0.8							
1 Phase		1							
					kVA		19.30		
					kW		15.40		
*100% 20% voltage and 10% frequency deviation @ 50Hz, 400V									

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: This rating is for the supply of continuous electrical power, at variable load, in the event of a utility power failure. No overload is permitted.

Stage IIIa models are only emissions compliant at 50Hz Prime Power in accordance with 97-68EC.

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CANOPY/SKID			
Lockable Maintenance Access Doors			●
Control Panel Viewing Window			●
Fort Pockets			Δ
Single Lift Point			Δ
Bundling			Δ
Open Frame			x
High Density Fire Retardant Foam			●
Yellow Paint			●
White Paint			Δ
Standard:	●	Not Available: x	Optional: Δ
ALTERNATOR ECP28 2L/4			
Poles		4	
Winding Connections		Star	
Insulation		Class H	
Enclosure		IP23	
Exciter System		Self-regulating brushless	
Voltage Regulator		AVR	
Steady State Voltage Regulation		+/- 1.0%	
Bearing		Single bearing sealed	
Coupling		Flexible disc	
Cooling		Direct drive centrifugal blower/fan	
Coating		Winding Protection Grey	
STARTING SYSTEM			
Starter Motor	kW		2.00
Battery Capacity	Ah		120 110
Number of Batteries			1
Auxiliary Voltage	V		12

ENGINE			
Output Rating (PRP)	1500 RPM		
Output Rating (Standby)	kW	17.50	
	kW	19.25	
Output Rating (PRP)	1800 RPM		
Output Rating (Standby)	kW	20.80	
Output Rating (Standby)	kW	22.90	
Manufacturer and Model		Kohler/JCB KDI 1903 M	
Fuel		Diesel	
Injection		Direct	
Aspiration		Naturally Aspirated	
Cylinders		3	
Bore and Stroke	mm	88 x 102	
Displacement	L	1.86 l	
Cooling		Water	
Engine Oil Specification		API CH4-SAE 10W/40	
Compression Ratio		11.5 : 1	
Engine Oil Capacity	L	8.50	
Coolant Capacity	L	6.80	
Governor		Mechanical	
Air Filter		Two stage with restriction indicator	Single paper element
Engine Oil Consumption	100% Load		
FUEL SYSTEM			
Diesel Specification		EN590	
Standard Fuel Tank Capacity	L	53	

JCB GENERATOR TECHNICAL SPECIFICATIONS. Tel: +353 (0) 69 23003 www.jcbgenerators.ie JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.

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FUEL CONSUMPTION				
100% Load Prime	L/h			4.60
75% Load Prime	L/h		50-Hz	3.70
50% Load Prime	L/h			2.80
100% Load Standby	L/h			5.08
100% Load Prime	L/h			
75% Load Prime	L/h		60-Hz	
50% Load Prime	L/h			
100% Load Standby	L/h			
EXHAUST SYSTEM				
Maximum Temperature 100% Standby	°C			540.00
Exhaust Gas Flow 100% Standby	m ³ /min		50-Hz	2.01
Maximum Allowed Back Pressure	mbar			50.00
Maximum Temperature 100% Standby	°C			540.00
Exhaust Gas Flow 100% Standby	m ³ /min		60-Hz	2.93
Maximum Allowed Back Pressure	mbar			60.00
Exhaust Flange Size	mm		-	
AIR SYSTEM				
Intake Air Flow 100% Standby	m ³ /h			115.30
Total Cooling Air Flow 100% Standby	m ³ /s		50-Hz	0.50
Alternator Fan Airflow	m ³ /s			-0.09
Intake Air Flow 100% Standby	m ³ /h			-138.30
Total Cooling Air Flow 100% Standby	m ³ /s		60-Hz	0.50
Alternator Fan Airflow	m ³ /s			-0.09
SOUND PRESSURE (CANOPY ONLY)				
LpA (7m)	50-Hz	dB(A)		60
LpA (7m)	60-Hz	dB(A)		-

MECHANICAL FEATURES			
Cooling Pack			•
Air Filter			•
Mechanical Governor			•
Low Oil Pressure Switch			•
Coolant Temperature Sender			•
Oil Temperature Sender			•
Radiator Guards			•
Hot Component Guards			Δ
Manual Oil Drain Pump (Canopy)			Δ
Water Jacket Heater			Δ
Pre-Filter with Separator			•
Fuel Level Sender			•
Internal Fuel Fill (Belly Tank)			•
3 Way Fuel Valve			Δ
Residential Silencer			•
Industrial Silencer			x
	Standard: •	Not Available: x	Optional: Δ

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ELECTRICAL FEATURES			
AVR DSR		●	
AVR DER		x	
Winding Protection Standard +		x	
Winding Protection Grey		●	
Winding Protection Total		Δ	
Winding Protection Total +		Δ	
MAUX		●	
PMG		Δ	
Anti-Condensation Heater		Δ	
3 Pole Moulded Case Circuit Breaker		●	
4 Pole Moulded Case Circuit Breaker		Δ	
Earth Leakage Protection (Shunt Trip)		Δ	
Preparation for Earth Spike		●	
Optional Voltages		Δ	
Remote Screen		Δ	
Emergency Stop Button		●	
External Emergency Stop Button		●	
Standard: ●	Not Available: x	Optional: Δ	

BATTERY FEATURES			
Battery Isolator		Δ	
Battery Type		Lead Acid	
Battery Size (Ah)		110	
Number of Batteries		1	
Battery Charger		Δ	
Standard: ●	Not Available: x	Optional: Δ	

JCB COMMUNICATION AND CONTROL			
4510			x
4520			●
Standard: ●	Not Available: x	Optional: Δ	

WEIGHT AND DIMENSIONS			
Length		mm	1770
Width		mm	788
Height		mm	1350
Shipping Volume (sea ready)		m ³	1.88
Weight*		Kg	800.00

*Standard build with all fluids except fuel

OPTIONAL CE PACK			
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, EN 13857, 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.	