



JCB GENERATORS | G500QX / G500X



OUTPUT

Voltage	50Hz			
	Prime		Standby	
	kVA	kW	kVA	kW
400/230	455	364	500	400
480/277				

Ambient reference conditions: Rating according to ISO 8528: +25°C, 100 ASL, 30% relative humidity.

Power lost according to DIN ISO 3046: Starting from 100m, 1% lost with each 100m increment. Starting from 25°C (77°F), 4% power lost with each 10°C (50°F) increment cos phi =0.8

Prime: These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation. 10% overload power can be supplied for one hour in 12.

Standby: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of the utility power failure. No overload is permitted.

* Other voltages are available: 415/240, 380/220, 220/127, 440/254, 208/120.

DIMENSIONS

		Open	Canopy
Length	mm (in)	3810 (149.9)	4100 (161.4)
Width	mm (in)	1390 (54.7)	1600 (62.9)
Height	mm (in)	1830 (72)	2210 (87)

WEIGHTS

		Open	Canopy
Shipping volume	m ³ (ft ³)	9.69 (343.14)	14.76 (574.89)
Dry weight	kg (lb)	2965 (6536)	4280 (9435)

All weights and dimensions are subject to variation, dependent upon customer specification.

SOUND POWER LEVEL

		Canopy
Sound power level of generator	Lwa	97



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ENGINE

		50Hz
Rated output	kW	437
Make		Scania
Model		DC12 59A
Injection type		Direct
Aspiration		Turbo Aftercooled
Number of cylinders		6
Bore and Stroke	mm	127x154
Displacement	l	11.7
Cooling		Water
Lube oil specification		ACEA E3-96
Oil consumption	l/h	<0.3%
Compression		16:01
Maximum oil capacity	l	33
Minimum oil capacity	l	28
Governing		Electronic
Engine speed	rpm	1500

STARTING SYSTEM

Starter motor output	kW	6.7
Starter motor output	CV	9
Battery capacity	Ah	2x50
Voltage	vDC	24

AIR REQUIREMENT

		50Hz
Air requirement for combustion @ 100% load	m ³ /h	1544
Air requirement for combustion @ 100% load	kg/min	30

ALTERNATOR

Make	Newage-Stamford	
Model	HCI 444	
Insulation	Class H	
Pole	4	
AVR	AS440	

FUEL TANK CAPACITY

Open generator	l (gal)	590 (129.7)
Canopy generator	l (gal)	590 (129.7)

FUEL CONSUMPTION @ 100% LOAD

		50Hz
Prime	l/hr	93.25
Standby	l/hr	101.12

EXHAUST SYSTEM

		50Hz
Maximum exhaust temperature	°C	559
Maximum exhaust temperature	°F	1038.2
Exhaust gas flow	kg/min	32
Heat rejection	kW/IFN	287
Maximum back pressure	kPa (mbar)	9.81 (98.1)



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