



JCB GENERATORS | G550QX / G550X



OUTPUT

Voltage	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
400/230	502	402	550	440				
480/277					501	400	550	436

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	
		50Hz	60Hz	50Hz	60Hz
Length	mm (in)	4200 (165.3)	3600 (141.7)	4500 (177.1)	4500 (177.1)
Width	mm (in)	1460 (57.4)	1460 (57.4)	1800 (70.8)	1800 (70.8)
Height	mm (in)	2090 (82.2)	2090 (82.2)	2400 (94.4)	2400 (94.4)

WEIGHTS

		Open		Canopy	
		50Hz	60Hz	50Hz	60Hz
Shipping volume	m <sup>3</sup> (ft <sup>3</sup> )	12.81 (451.8)	10.98 (387.17)	19.44 (685.35)	19.44 (685.35)
Dry weight	kg (lb)	3595 (7925)	3360 (7407)	5520 (12169)	5520 (12169)

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

SOUND POWER LEVEL

		Canopy
Sound power level of generator	Lwa	102


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**ENGINE**

		50Hz	60Hz
Rated output	kW	481	480
Make		Scania	
Model		DC16 45A	DC16 43A
Injection type		Direct	
Aspiration		Turbo Aftercooled	
Number of cylinders		8	
Bore and Stroke	mm	127x154	
Displacement	l	15.6	
Cooling		Water	
Lube oil specification		ACEA E3-96	
Oil consumption	l/h	<0.3%	
Compression		18:01	
Maximum oil capacity	l	35	
Minimum oil capacity	l	30	
Governing		Electronic	
Engine speed	rpm	1500	1800

**STARTING SYSTEM**

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

**AIR REQUIREMENT**

		50Hz	60Hz
Air requirement for combustion @ 100% load	m <sup>3</sup> /h	1976.2	2316.6
Air requirement for combustion @ 100% load	kg/min	30	42

**ALTERNATOR**

Make	Newage-Stamford	
Model	HCI 544	
Insulation	Class H	
Pole	4	
AVR	AS440	

**FUEL TANK CAPACITY**

Open generator	l (gal)	740 (162.7)
Canopy generator	l (gal)	740 (162.7)

**FUEL CONSUMPTION @ 100% LOAD**

		50Hz	60Hz
Prime	l/hr	100.5	101.35
Standby	l/hr	109.62	111.63

**EXHAUST SYSTEM**

		50Hz	60Hz
Maximum exhaust temperature	°C	478	415
Maximum exhaust temperature	°F	892.4	747
Exhaust gas flow	kg/min	36	43
Heat rejection	kW/IFN	302	298
Maximum back pressure	kPa (mbar)	9.81 (98.1)	9.81 (98.1)

