



JCB GENERATORS | G440QX / G440X



OUTPUT

Voltage	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
400/230	400	320	440	352				
480/277					436	350	460	368

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)	3310 (130.3)	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)	8.44 (297.84)	14.76 (574.89)
Dry weight	kg (lb)	2950 (6503)	4265 (9402)

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

SOUND POWER LEVEL

		Canopy
Sound power level of generator	Lwa	97



JCB GENERATORS | G440QX / G440X

ENGINE

		50Hz	60Hz
Rated output	kW	399	406
Make		Scania	
Model		DC12 59A	DC12 60A
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	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 ³ /h	1239.3	1698.8
Air requirement for combustion @ 100% load	kg/min	29	42

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	60Hz
Prime	l/hr	84.8	88.41
Standby	l/hr	93.25	102.3

EXHAUST SYSTEM

		50Hz	60Hz
Maximum exhaust temperature	°C	545	464
Maximum exhaust temperature	°F	1013	867.2
Exhaust gas flow	kg/min	30	31
Heat rejection	kW/IFN	269	218
Maximum back pressure	kPa (mbar)	9.81 (98.1)	9.81 (98.1)



JCB Power Products Limited, Rocester, Staffordshire ST14 5JP. Tel: +44 (0)1889 590312. www.jcb.com

JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.



9999/5434 06/09 Issue 1