



JCB GENERATORS | G45QX / G45X



OUTPUT

Voltage	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
400/230	41	33	45	36				
480/277					50	40	53	42

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)	1620 (63.7)	2250 (88.5)
Width	mm (in)	750 (29.5)	1050 (41.3)
Height	mm (in)	1310 (51.5)	1450 (57)

WEIGHTS

		Open	Canopy
Shipping volume	m ³ (ft ³)	1.12 (39.55)	3.42 (120.59)
Dry weight	kg (lb)	626 (1377)	1081 (2378)

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

SOUND POWER LEVEL

		Canopy
Sound power level of generator	Lwa	87



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ENGINE

		50Hz	60Hz
Rated output	kW	41.4	50
Make		Yanmar	
Model		4TNV 98T GGE	
Injection type		Direct	
Aspiration		Turbo	
Number of cylinders		4	
Bore and Stroke	mm	98x110	
Displacement	l	3.3	
Cooling		Water	
Lube oil specification		ACEA E3-5	
Oil consumption	l/h	<0.15%	
Compression		18:01	
Maximum oil capacity	l	10.5	
Minimum oil capacity	l	4.5	
Governing		Mechanical	
Engine speed	rpm	1500	1800

STARTING SYSTEM

Starter motor output	kW	1.4
Starter motor output	CV	1.9
Battery capacity	Ah	1x92
Voltage	vDC	12

AIR REQUIREMENT

		50Hz	60Hz
Air requirement for combustion @ 100% load	m ³ /min	3.88	3.88
Air requirement for combustion @ 100% load	ft ³ /min	137.02	137.02

ALTERNATOR

Make	Newage-Stamford	
Model	BCI 184	
Insulation	Class H	
Pole	4	
AVR	SX460	

FUEL TANK CAPACITY

Open generator	l (gal)	115 (25.2)
Canopy generator	l (gal)	66 (14.5)

FUEL CONSUMPTION @ 100% LOAD

		50Hz	60Hz
Prime	l/hr	10.2	12.8
Standby	l/hr	11.3	14.1

EXHAUST SYSTEM

		50Hz	60Hz
Maximum exhaust temperature	°C	480	480
Maximum exhaust temperature	°F	896	896
Exhaust gas flow	m ³ /min	10.42	10.42
Maximum back pressure	mm/H ₂ O	1207.05	1207.05

