



JCB GENERATORS | G144QX / G144X



OUTPUT

Voltage	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
400/230	130	104	143	114				
480/277					143.8	115	157	125.6

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)	2670 (105)	3300 (130)
Width	mm (in)	920 (36)	1200 (47)
Height	mm (in)	1590 (63)	1800 (71)

WEIGHTS

		Open	Canopy
Shipping volume	m ³ (ft ³)	3.30 (134.48)	7.13 (250.88)
Dry weight	kg (lb)	1560 (3439)	2295 (5049)

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

SOUND POWER LEVEL

		Canopy
Sound power level of generator	L _{wa}	94


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ENGINE

		50Hz	60Hz
Rated output	kW	125	
Make		Iveco	
Model		NEF 67 TM2A	
Injection type		Direct	
Aspiration		Turbo aftercooled	
Number of cylinders		6	
Bore and Stroke	mm	104x132	
Displacement	l	6.7	
Cooling		Water	
Lube oil specification		ACEA E3-5	
Oil consumption	l/h	<0.1%	
Compression		17.5:1	
Maximum oil capacity	l	12	
Minimum oil capacity	l	8	
Governing		Mechanical	
Engine speed	rpm	1500	1800

STARTING SYSTEM

Starter motor output	kW	3
Starter motor output	CV	4.08
Battery capacity	Ah	1x100
Voltage	DC	12

AIR REQUIREMENT

		50Hz	60Hz
Air requirement for combustion @ 100% load	m ³ /h	586	723
Air requirement for combustion @ 100% load	kg/h	706	870

ALTERNATOR

Make	Newage-Stamford	
Model	UCI 274 E	
Insulation	Class H	
Pole	4	
AVR	SX460	

FUEL TANK CAPACITY

Open generator	l (gal)	355 (78)
Canopy generator	l (gal)	225 (49)

FUEL CONSUMPTION @ 100% LOAD

		50Hz	60Hz
Prime	l/hr	28.8	33.9
Standby	l/hr	32	38

EXHAUST SYSTEM

		50Hz	60Hz
Maximum exhaust temperature	°C	570	541
Maximum exhaust temperature	°F	1058	1006
Exhaust gas flow	Kg/h	739	907
Heat rejection	Kcal/Kwh	688.9	711
Maximum back pressure	kPa (mbar)	5 (50)	5 (50)



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9999/5407 04/09 Issue 1