



OUTPUT

Voltage	50Hz				60Hz			
	Prime		Standby		Prime		Standby	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
400/230	80	64	88	70.4				
480/277					86.9	69.5	96	76.8

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)	2150 (84.6)	2751 (108.3)
Width	mm (in)	780 (30.7)	1100 (43.3)
Height	mm (in)	1492 (58.7)	1650 (64.9)

WEIGHTS

		Open	Canopy
Shipping volume	m ³ (ft ³)	2.11 (74.55)	4.53 (159.76)
Dry weight	kg (lb)	1110 (2447)	1630 (3593)

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

SOUND POWER LEVEL

		Canopy
Sound power level of generator	Lwa	94



ENGINE

		50Hz	60Hz
Rated output	kW	81	90
Make		JCB	
Model		Dieselmax	
Injection type		Direct	
Aspiration		Turbocharged	
Number of cylinders		4	
Bore and Stroke	mm	103x132	
Displacement	cm ³	4399	
Cooling		Water	
Lube oil specification		CH4	
Oil consumption	l/h	<0.1%	
Compression		17.5:1	
Maximum oil capacity	l	14	
Governing		Mechanical	
Engine speed	rpm	1500	1800

STARTING SYSTEM

Starter motor output	kW	3
Starter motor output	CV	4.08
Battery capacity	Ah	1x145
Voltage	vDC	12

AIR REQUIREMENT

		50Hz	60Hz
Air requirement for combustion @ 100% load	kg/h	367	463

ALTERNATOR

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

FUEL TANK CAPACITY

Open generator	l	150
Canopy generator	l	165

FUEL CONSUMPTION @ 100% LOAD

		50Hz	60Hz
Prime	l/hr	18.7	20.5
Standby	l/hr	20.1	22.7

EXHAUST SYSTEM

		50Hz	60Hz
Maximum exhaust temperature	°C	542	547
Maximum exhaust temperature	°F	1007.6	1016.6
Exhaust gas flow	kg/h	367	487
Maximum back pressure	mbar	100	100

