

# ON-100

Power by CUMMINS

# 4BTA3.9-G13

Prime power: 80KW/100KVA

Standby power: 88KW/110KVA

## GENERATING POWER SOLUTIONS

### Increased availability for new operations

Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

### Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

### Reduced transport and installation costs

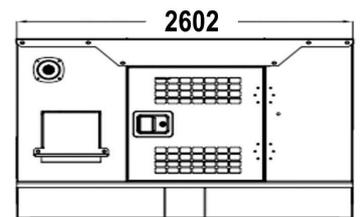
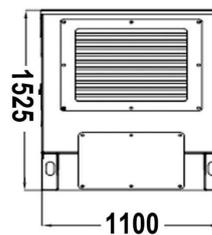
The compact and robust design with integrated transport features enables faster and safer transport and installation.

### Reduced service & maintenance costs

Longer service intervals.  
Quicker and more efficient service jobs.

### Premium resale value

Designed and built to last.



# ONEWPOWER

[WWW.ONEWPOWER.COM](http://WWW.ONEWPOWER.COM)

DIMENSION		OPEN TYPE	SILENT TYPE
Length (L)	mm	1900	2602
Width (W)	mm	950	1100
Height (H)	mm	1400	1525
Dry weight	kg	1150	1650
Fuel tank	L	160	160

## Technical Data

### Model ON-100

Rated prime power	KW	80
Rated standard power	KW	88
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

### Engine

Model	4BTA3.9-G13	
Aspiration	Jacket water Aftercooled	
Fuel system	mechanical pump	
No. cylinders	4	
Displacement	Liquid	3.9
Bore*Stroke	mm	102*120
Compression ratio	18:01	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	88
Governor type	Electronic	

### Exhaust system

Exhaust gas flow	167L/S	
Exhaust gas temp	° F (° C)	<404
Max back pressure	10KPA	

### Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	L/sec	95

### Fuel system

100% load(Prime power)	L/h	18.8
75% load(Prime power)	L/h	14.1
50% load(Prime power)	L/h	10.1
Fuel tank capacity	L	160

### Lubrication system

Oil capacity	L	10.9
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

### Cooling system

Coolant capacity	L	7.2
Thermostat operation range	°C	76-88
Max water temperature	°C	98

### Alternator

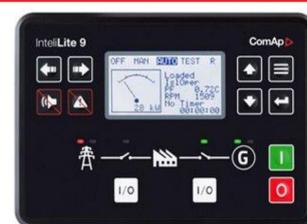
Model	ON-100	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	80
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±1.0
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller

- Model
- Protective functions:
- Low oil pressure
  - High water temperature
  - High/low voltage
  - High Engine Temperature and Overspeed.
  - Voltage regulator frequency regulator
  - Emergency stop
  - Start failure



### Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

