

ON-100

Power by WEICHAI

WP4.1D100E200

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

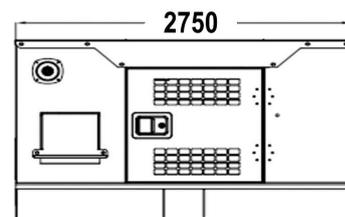
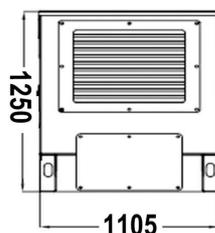
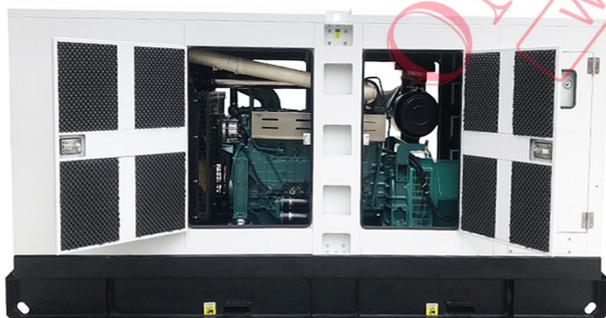
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



DIMENSION		OPEN TYPE	SILENT TYPE
Length (L)	mm	2250	2750
Width (W)	mm	880	1105
Height (H)	mm	1250	1250
Dry weight	kg	1063	1316
Fuel tank	L	165	165

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Technical Data

Model ON-100

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

Engine

Model	WP4.1D100E200	
Aspiration	Turbochargine and intercooling	
Fuel system	mechanical pump	
No. cylinders	4	
Displacement	Liquid	4.087
Bore*Stroke	mm	105*118
Compression ratio	17.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	80
Governor type	Electronic	

Exhaust system

Exhaust gas flow		463kg/h
Exhaust gas temp	° F (° C)	<560
Max back pressure		10KPA

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	kg/h	445

Fuel system

100% load(Prime power)	L/h	21.4
75% load(Prime power)	L/h	15.8
50% load(Prime power)	L/h	10.5
Fuel tank capacity	L	165

Lubrication system

Oil capacity	L	14
Oil consumption	L/H	21.4
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	9.4
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	%	±0.5
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

Standard features

- Engine
- Radiator 50°C max, fans are driven by belt
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 24V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

Options

- Battery charge
- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS
- Switch box
- Standard: ● Options: ○

Warranty

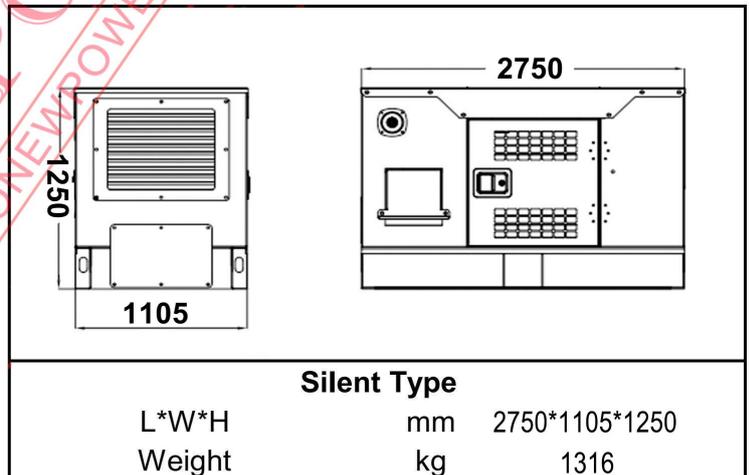
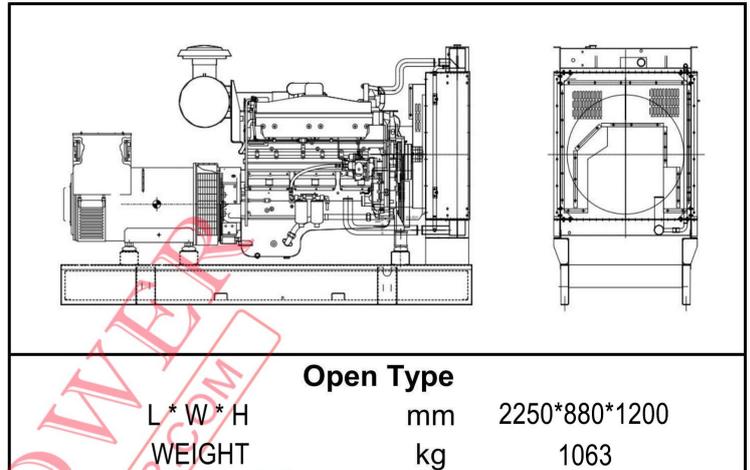
WEICHAI ENGINE

12 months from date of purchase and 1000 hours.

Generator

12 months from date of purchase or 1000 hours (whichever occurs first).

Dimensions



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