

ON-80

Power by WEICHAI

WPD4.1D80E200

Prime power: 80KVA/64KW

Standby power: 87.5KVA/70KW

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

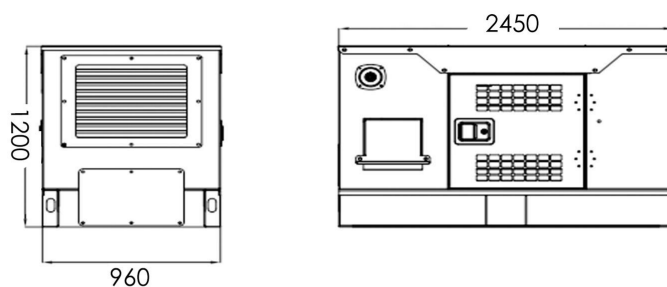
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	1900	2450
	Width (W)	mm	870	960
	Height (H)	mm	1180	1200
	Dry weight	kg	990	1160
	Fuel tank	L	130	130

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Technical Data

Model ON-5

Rated prime power	kva	80
Rated standard power	kva	87.5
Rated voltage line to line	V	380-415

Maximun sound level	dB(@7m)	≤ 72
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Engine

Model	WP4.1D80E200
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 72
Governor type	mechanical speed governors

Exhaust system

Exhaust gas flow	L/s	242
Exhaust gas temp	° F (° C)	<500
Max back pressure	in Hg	12

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	L/sec	233

Fuel system

100% load(Prime power)	L/h	18.9
75% load(Prime power)	L/h	13.3
50% load(Prime power)	L/h	8.9
Fuel tank capacity	L	130

Lubrication system

Oil capacity	L	14
Oil consumption	g/kwh	2.7
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-80
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Phase	3
Voltage	V 430V
Wiring Type	3 wire
Bearing	1
Power factor	0.8
Frequency	Hz 50
Prime power	KW 70
Exciter Type	Brushless, self-excitation
Voltage regulation	% ±0.5
Protection Grade	IP 23
Insulation grade	H/H
Altitude	m ≤1000

Controller

Model	DSE6120MK3
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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

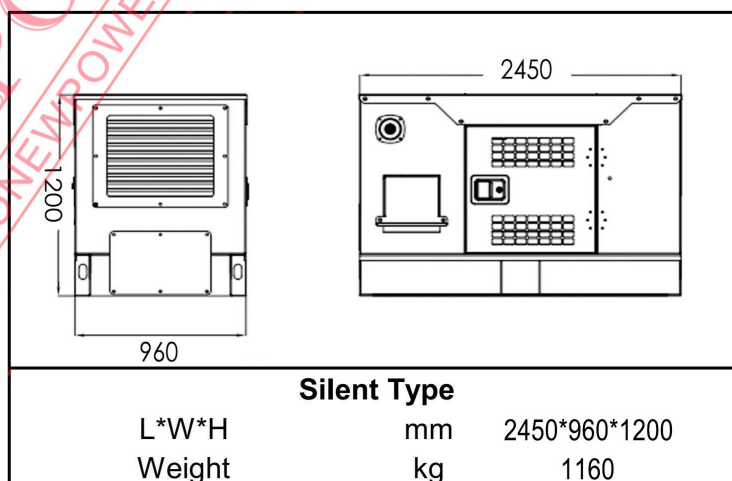
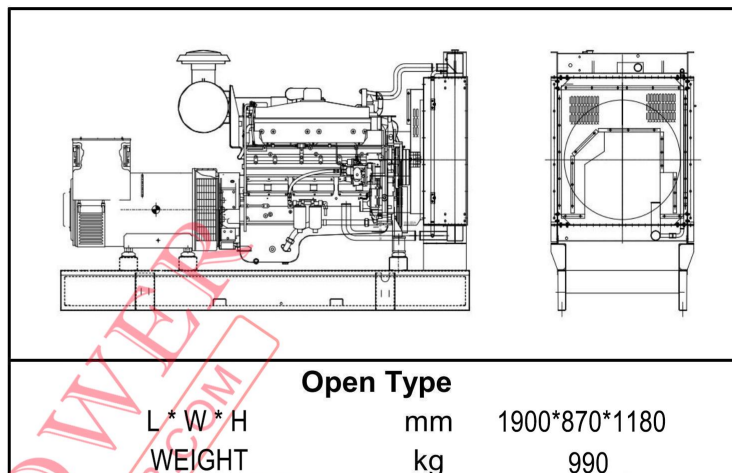
Weichai Engine

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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