

ON-500

Power by WEICHAI

WP13D440E310

Prime power: 400KW/500KVA

Standby power: 440KW/550KVA

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

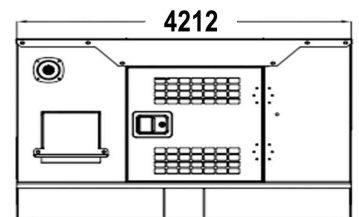
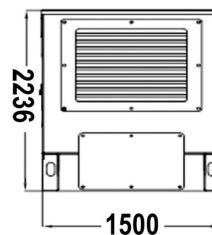
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	2990	4212
	Width (W)	mm	1300	1500
	Height (H)	mm	1709	2236
	Dry weight	kg	2796	3878
	Fuel tank	L	NA	650

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Technical Data

Model ON-500

Rated prime power	KW	400
Rated standard power	KW	400
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤ 72

Engine

Model	WP13D490E310
Aspiration	Turbochargine and aftercooled
Fuel system	mechanical pump
No. cylinders	6
Displacement	Liquid 12.54
Bore*Stroke	mm 127*165
Compression ratio	15:1
Rated speed	r/min 1500
Rated net power(with fan)	Kw 400
Governor type	ECU

Exhaust system

Exhaust gas flow	2428kg/h
Exhaust gas temp	° F (° C) < 740
Max back pressure	12Kpa

Aspiration system

Max inlet pressure	kPa ≤ 3.5
Combustion volume	L/s /
Air flow	kg/h 2336

Fuel system

100% load(Prime power)	L/h 110
75% load(Prime power)	L/h 75.3
50% load(Prime power)	L/h 51
Fuel tank capacity	L 650

Lubrication system

Oil capacity	L 30
Oil consumption	L/H 110
Oil pressure	kPa 10
(continuous operation)	

Cooling system

Coolant capacity	L 25
Thermostat operation range	°C 76-88
Max water temperature	°C 98

Alternator

Model	ON-500
Phase	3
Voltage	V 380~415
Bearing	1
Power factor	0.8
Frequency	Hz 50
Prime power	KW 400
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 bel ●
- 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

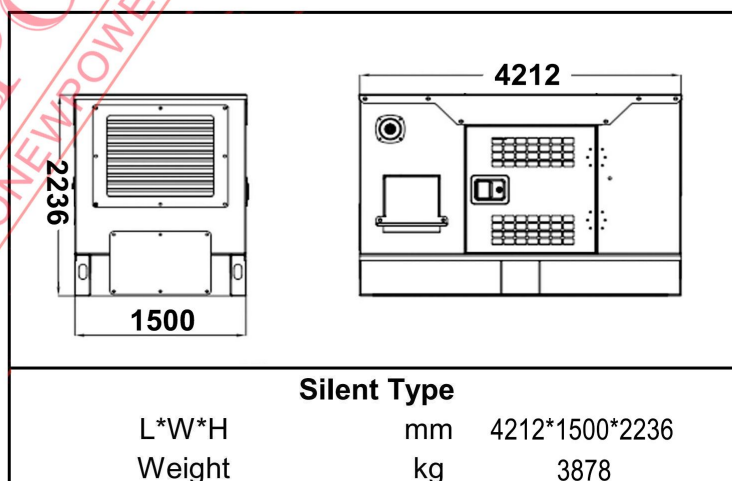
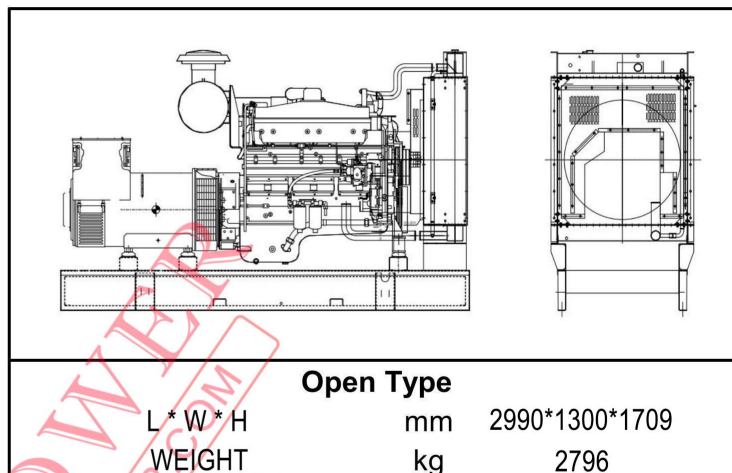
WEICHAH ENGINE

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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