

ON-500

Power by WEICHAI

WP13D490E310

Prime power:500KVA/400KW

Standby power:550KVA/440KW



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

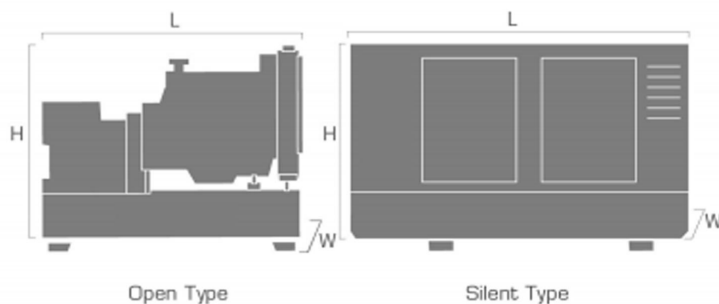
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value

Designed and built to last.



WEICHAI Series

20KVA--600KVA

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Technical Data

Model ON-500		
Rated prime power	kva	500
Rated standard power	kva	550
Rated voltage line to line	V	400/230
Rated current	A	722
Maximun sound level	dB(@7m)	≤100

Engine		
Model	WP13D490E310	
Aspiration	Turbocharged and aftercooled	
Fuel system	mechanical pump	
No. cylinders	6 in line	
Displacement	Liquid	12.54
Bore*Stroke	mm	127*165
Compression ratio	15	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	450
Governor type	mechanical speed governors	
Start Motor	V	24

Exhaust system		
Exhaust gas flow	L/s	2428
Exhaust gas temp	° F (° C)	580
Max back pressure	in Hg	12

Aspiration system		
Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	L/sec	2336

Fuel system		
100% load(Prime power)	L/h	97.7
75% load(Prime power)	L/h	/
50% load(Prime power)	L/h	/
Fuel tank capacity	L	780

Lubrication system		
Oil capacity	L	30
Oil consumption	g/kwh	0.2
Oil pressure	kPa	330-550
(continuous operation)		

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

Alternator		
Model	ON544D STAMFORD HCI544D-S5L1D-C4/S5L1S-C4	
Phase	3	
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	440
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller	
Model	DSE6120MK3
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(WEICHAI GROUP)
- 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

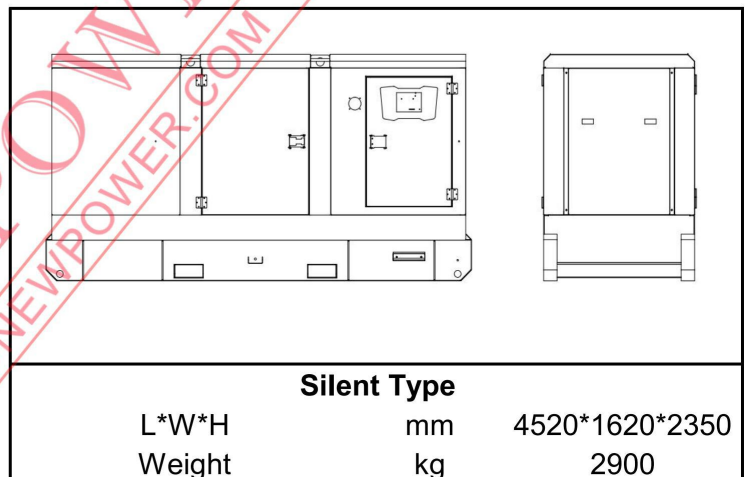
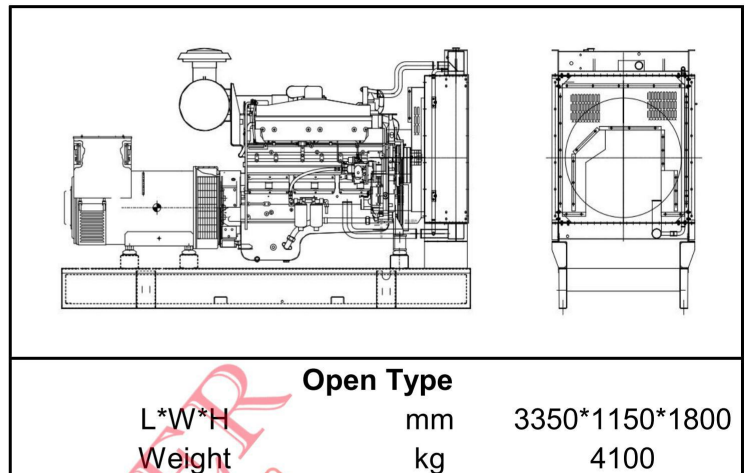
Weichai Engine

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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