

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

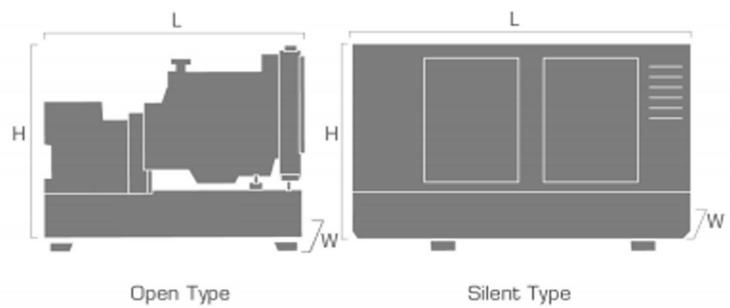
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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

ONEWPOWER

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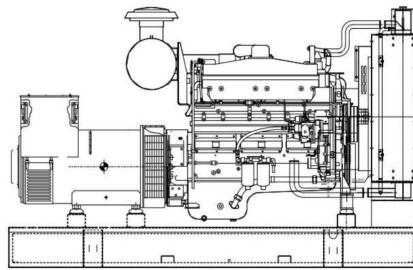
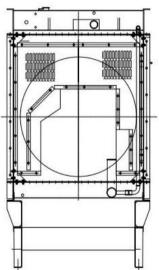
Technical Data

Model	ON-500		Alternator			
Rated prime power	kva	500	Model	ON544D		
Rated standard power	kva	550	STAMFORD	HC1544D-S5L1D-C4/S5L1S-C4		
Rated voltage line to line	V	400/230	Phase	3		
Rated current	A	722	Voltage	V 400/230		
Maximun sound level	dB(@7m)	≤100	Wiring Type	3 Phase 4 wire, Y type		
Engine						
Model	WP13D490E310		Bearing	1		
Aspiration	Turbocharged and aftercooled		Power factor	0.8		
Fuel system	mechanical pump		Frequency	Hz 50		
No. cylinders	6 in line		Prime power	KW 440		
Displacement	Liquid	12.54	Exciter Type	Brushless, self-excitation		
Bore*Stroke	mm	127*165	Voltage regulation	% ±0.5		
Compression ratio	15		Protection Grade	IP 23		
Rated speed	r/min	1500	Insulation grade	H/H		
Rated net power(with fan)	Kw	450	Altitude	m ≤1000		
Governor type	mechanical speed governors		Controller			
Start Motor	V	24	Model	DSE6120MK3		
Exhause system						
Exhause gas flow	L/s	2428	Protective functions:			
Exhause gas temp	° F (° C)	580	<ul style="list-style-type: none"> ■ Low oil pressure ■ High water temperature ■ High/low voltage ■ High Engine Temperature and Overspeed. ■ Voltage regulator frequency regulator ■ Emergency stop ■ Start failure 			
Max back pressure	in Hg	12				
Aspiration system						
Max inlet pressure	kPa	≤3.5				
Combustion volume	L/s	/				
Air flow	L/sec	2336	Control Module Options			
Fuel system						
100% load(Prime power)	L/h	97.7	<ul style="list-style-type: none"> ■ Auto generator control module ■ Control module with "Three Remote Control" functions ■ ATS auto load transfer screen ■ Synchronising control modules ■ Power output cabinet 			
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				

Standard features

- Engine(WEICHAI GROUP)
- 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

Dimensions

	
Open Type	
L*W*H	mm 3350*1150*1800
Weight	kg 4100

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:

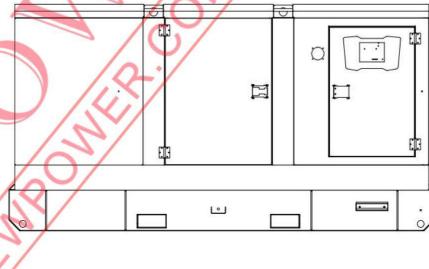
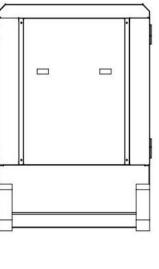
Warranty

Weichai Engine

12 months from date of purchase and 1000 hours.

Generator

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

	
Silent Type	
L*W*H	mm 4520*1620*2350
Weight	kg 2900

ONEPOWER

ADD: NO . 1 0 7 XIYUAN ROAD , JINAN DISTRICT,
FUZHOU CITY, FUJIAN, CHINA
Phone: 15980204507 E-mail: jina@onepower.com
WWW.ONEPOWER.COM

