

# ON-1500

Power by WEICHAI

# 12M33D1450E310

Prime power: 1200KW/1500KVA

Standby power: 1320KW/1650KVA

## 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

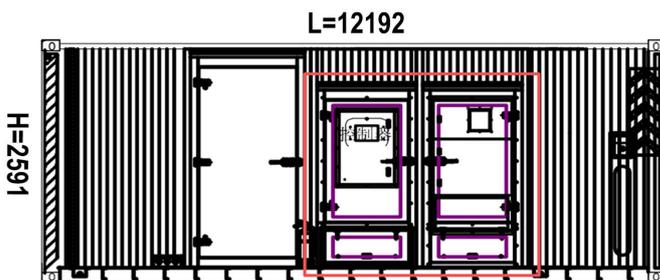
The compact and robust design with integrated transport features enables faster and safer transport and installation.

### 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	5800	12192	
Width (W)	mm	2090	2438	
Height (H)	mm	2600	2591	
Dry weight	kg	10500	18900	
Fuel tank	L	NA	NA	

# ONEWPOWER

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## Technical Data

### Model ON-1500

Rated prime power	KW	1200
Rated standard power	KW	1320
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

### Engine

Model	12M33D1450E310	
Aspiration	Turbochargine and aftercooled	
Fuel system	mechanical pump	
No. cylinders	12	
Displacement	Liquid	39.2
Bore*Stroke	mm	150*185
Compression ratio	15:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	1200
Governor type	Electronic	

### Exhaust system

Exhaust gas flow	L/s	4038
Exhaust gas temp	° F (° C)	NA
Max back pressure	10Kpa	

### Aspiration system

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

### Fuel system

100% load(Prime power)	L/h	315
75% load(Prime power)	L/h	236.25
50% load(Prime power)	L/h	157.5
Fuel tank capacity	L	N/A

### Lubrication system

Oil capacity	L	204.4
Oil consumption	L/H	315
Oil pressure	kPa	10
(continuous operation)		

### Cooling system

Coolant capacity	L	75.94
Thermostat operation range	°C	76-88
Max water temperature	°C	98

### Alternator

Model	ON-1500	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	1200
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

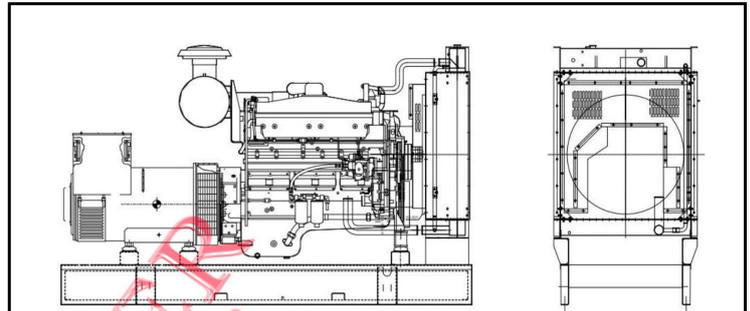
### WEICHAI ENGINE

12 months from date of purchase and 1000 hours.

### Generator

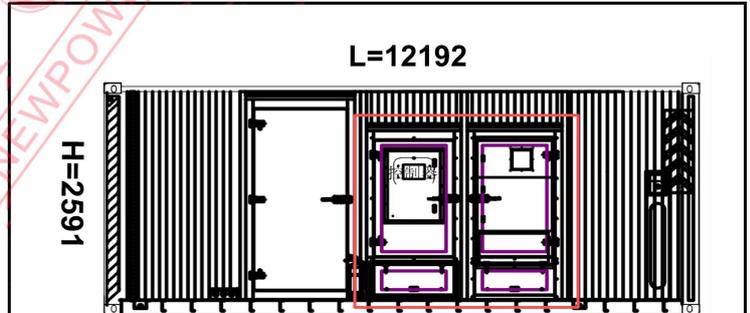
12 months from date of purchase or 1000 hours (whichever occurs first).

## Dimensions



### Open Type

L*W*H	mm	5800*2090*2600
WEIGHT	kg	10500



### Silent Type

L*W*H	mm	12092*2438*2591
Weight	kg	18900

## ONEWPOWER

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