

ON-2500

Power by WEICHAI

12M55D2450E310

Prime power: 2000KW/2500KVA

Standby power: 2200KW/2750KVA

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

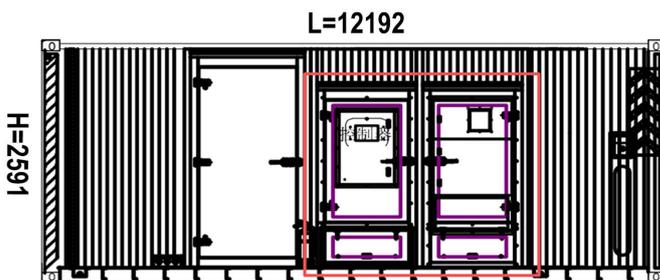
The compact and robust design with integrated transport features enables faster and safer transport and installation.

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	6200	12192	
Width (W)	mm	2850	2438	
Height (H)	mm	3290	2591	
Dry weight	kg	NA	NA	
Fuel tank	L	NA	NA	

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Technical Data

Model ON-2500

Rated prime power	KW	2000
Rated standard power	KW	2200
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

Engine

Model	12M55D2450E310	
Aspiration	Turbochargine and intercooling	
Fuel system	mechanical pump	
No. cylinders	12	
Displacement	Liquid	65.65
Bore*Stroke	mm	180*215
Compression ratio	16.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	2000
Governor type	ECU	

Exhaust system

Exhaust gas flow	10890kg/h	
Exhaust gas temp	° F (° C)	<740
Max back pressure	15Kpa	

Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow	kg/h	10456

Fuel system

100% load(Prime power)	L/h	517
75% load(Prime power)	L/h	387.75
50% load(Prime power)	L/h	258.5
Fuel tank capacity	L	NA

Lubrication system

Oil capacity	L	380
Oil consumption	L/H	517
Oil pressure	kPa	10
(continuous operation)		

Cooling system

Coolant capacity	L	210
Thermostat operation range	°C	76-88
Max water temperature	°C	98

Alternator

Model	ON-2500	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	2000
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

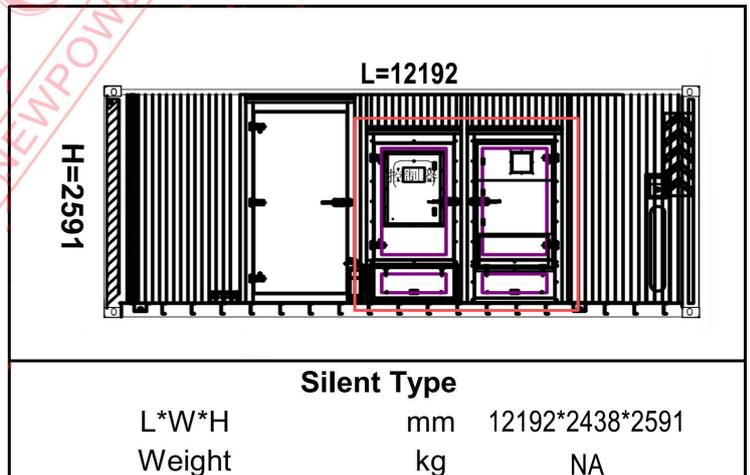
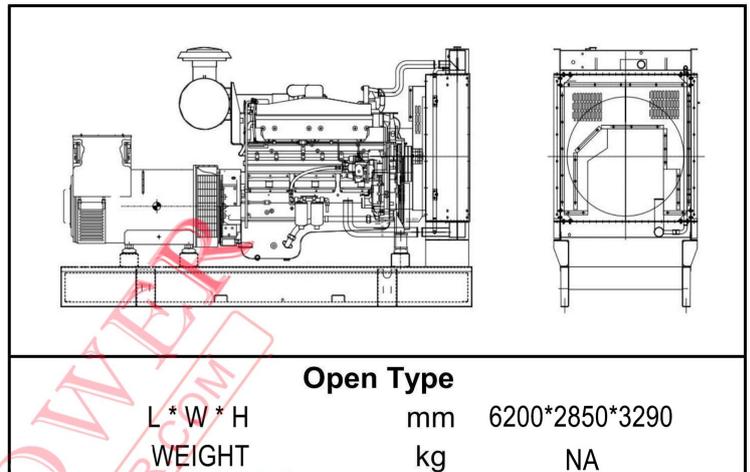
WEICHAI ENGINE

12 months from date of purchase and 1000 hours.

Generator

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

Dimensions



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