

# ON-3000

## Power by WEICHAI

# 16M55D2900E310

Prime power: 2400KW/3000KVA

Standby power: 2640KW/3300KVA

## 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

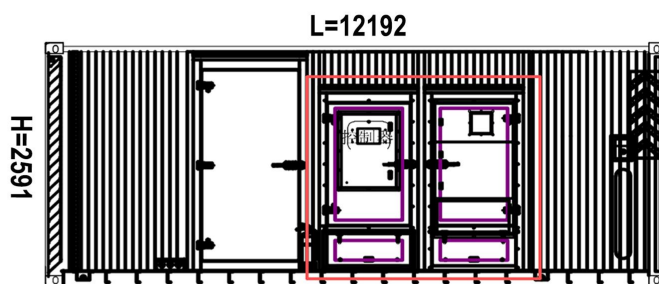
The compact and robust design with integrated transport features enables faster and safer transport and installation.

### 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        | 6500 | 12192       |
|  | Width (W)  | mm        | 2850 | 2438        |
|  | Height (H) | mm        | 3290 | 2591        |
|  | Dry weight | kg        | NA   | NA          |
|  | Fuel tank  | L         | NA   | NA          |

# ONEWPOWER

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## Technical Data

### Model ON-3000

|                            |         |         |
|----------------------------|---------|---------|
| Rated prime power          | KW      | 2400    |
| Rated standard power       | KW      | 2640    |
| Rated voltage line to line | V       | 380~415 |
| Maximun sound level        | dB(@7m) | ≤ 72    |

### Engine

|                           |                                |
|---------------------------|--------------------------------|
| Model                     | 16M55D2900E310                 |
| Aspiration                | Turbochargine and intercooling |
| Fuel system               | mechanical pump                |
| No. cylinders             | 16                             |
| Displacement              | Liquid 87.5                    |
| Bore*Stroke               | mm 180*215                     |
| Compression ratio         | 16.5:1                         |
| Rated speed               | r/min 1500                     |
| Rated net power(with fan) | Kw 2400                        |
| Governor type             | ECU                            |

### Exhaust system

|                   |                  |
|-------------------|------------------|
| Exhaust gas flow  | 13266kg/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 12759 |

### Fuel system

|                        |         |
|------------------------|---------|
| 100% load(Prime power) | L/h 608 |
| 75% load(Prime power)  | L/h 456 |
| 50% load(Prime power)  | L/h 304 |
| Fuel tank capacity     | L NA    |

### Lubrication system

|                        |         |
|------------------------|---------|
| Oil capacity           | L 500   |
| Oil consumption        | L/H 608 |
| Oil pressure           | kPa 10  |
| (continuous operation) |         |

### Cooling system

|                            |          |
|----------------------------|----------|
| Coolant capacity           | L 261    |
| Thermostat operation range | °C 76-88 |
| Max water temperature      | °C 98    |

### Alternator

|                    |                            |
|--------------------|----------------------------|
| Model              | ON-3000                    |
| Phase              | 3                          |
| Voltage            | V 380~415                  |
| Bearing            | 1                          |
| Power factor       | 0.8                        |
| Frequency          | Hz 50                      |
| Prime power        | KW 2400                    |
| 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

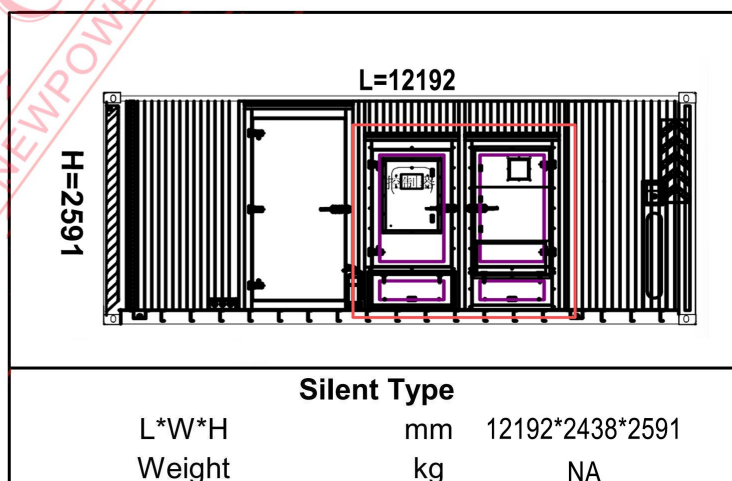
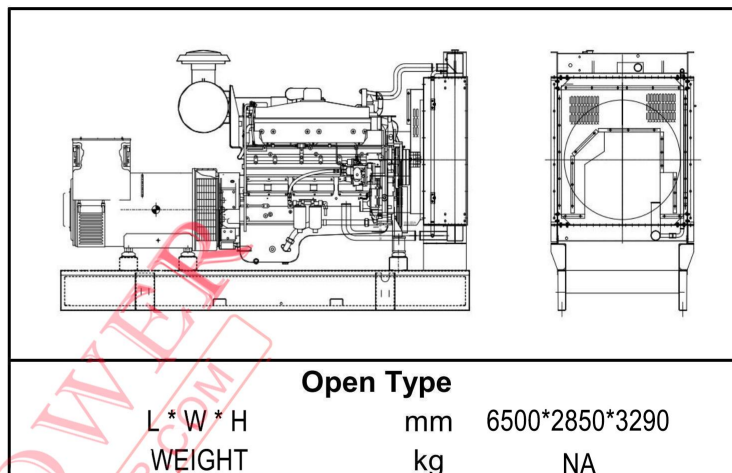
### WEICHAI ENGINE

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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