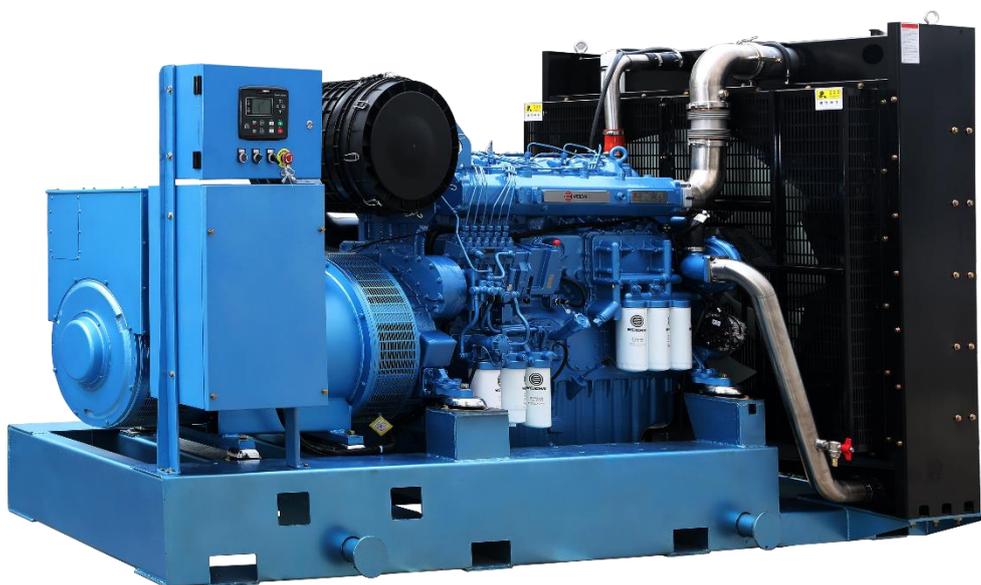


## Land Based Genset- 6M26 Series

### WPG450

513kVA, 450kW Standby



**WEICHA**



 **dinatek**

[www.dinatek.ec](http://www.dinatek.ec)

## Engine

- Weichai 6M26 series, 6 cylinder, in-line 4 stroke, radiator cooled engine
- Well-designed air handling system with
  - Dry type, Replaceable paper element air cleaner with restriction indicator
  - Air to air after cooling
  - Optimized turbocharger for increased altitude capabilities
  - High efficiency, large heat area intercooler, reduce the air temperature after the intercooler
- Fuel system with A1 class electronic governing
- Standard integral set-mounted radiator system, designed and tested for 50°C ambient temperature
- First fill of lube oil and coolant
- Electrical starter motor with soft start engagement feature
- Intelligent fuel injection technology to start fast guarantee
- Battery charging alternator
- 2 x 24V DC batteries

## Alternator

- Brushless type, Screen protected, Revolving field, Self excited alternator conforming to IS/IEC 60034-1
- Best in class efficiency
- Steel casing
- Compact design with sealed bearings for longer life and lesser maintenance
- IP23 standard protection level
- Impregnation on all wound components for better mechanical strength

## Control Module Specifications

### The DSE 7320 is an Auto Mains Failure Control Module

- Back-lit LCD display
- 3 Phase generator and 3 Phase Mains monitoring
- Monitoring speed, frequency, voltage, current, oil pressure, coolant temperature and fuel level
- Display warning, shutdown and engine status information
- Hours counter provides accurate information for monitoring and maintenance

**LEROY-SOMER**™



## Technical Data

### Generator Set Specification

Model	WPG450*76
Standby Rating kVA/kWe	563/450
Prime Rating kVA/kWe	513/410
Voltage V	440/254
Frequency Hz	60
Power Factor	0.8(lagging)
No. of Phases	3

### Engine Specification

Make	Weichai - Baudouin
Mode	6M26D506E201
Rated Speed	1800
Prime Power	460 (506 LTP)
Cooling	Liquid (water + 50% antifreeze)
Governor	Electronic
Aspiration	Turbocharged and Aftercooled
No. of cylinders	6, in-line
Bore (mm) x Stroke (mm)	150x150
Displacement (L)	15.9
Fuel consumption@75%(L/h)	84.1
Fuel consumption@100% (L/h)	112.9
Starting system	24VDC Electrical
Total lubrication system capacity (L)	50
Total coolant capacity (L)	83
Air consumption (m <sup>3</sup> /h)	2000
Exhaust Temperature (°C)	≤550
Exhaust back pressure (mBar)	≤75
Radiator design temperature (°C)	50

### Alternator Specification

Make	LEROY-SOMER
Alternator Frame	TAL-A47-A[400]
Exciter Type	Self-excitation
Enclosure	IP23
Voltage regulation	≤±1%
Class of Insulation	H
Winding Pitch	2/3
Rotor	Single bearing

## Remarks

**Prime Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

**Standby Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous tested (as defined in ISO 8528-3).

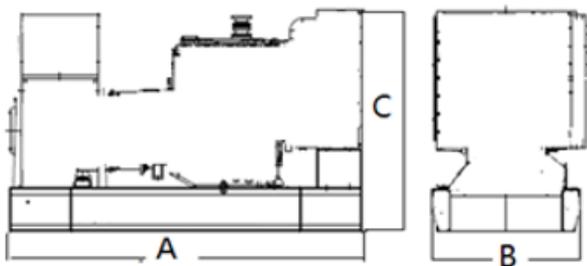
### Standard Reference Conditions

Note: Standard reference conditions 25°C(77°F) Air Inlet Temp, 100m(328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

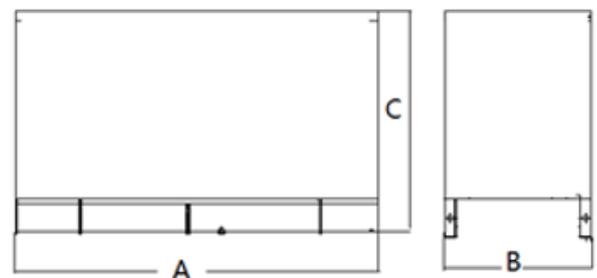
## Genset Dimensions (F: Open Series with fuel base tank / B Open without Fuel Tank / L: Silent Canopy Series)

Genset Mode	Prime Rating (kVA)	Length A(mm)	Width B(mm)	Height C(mm)	Wet Weight (kg)	Standard Fuel tank Capacity (L)
WPG450B76	513	3750	1500	1930	4400	\
WPG450L76	513	5100	2000	2250	7000	700

Open genset



Enclosed genset



## Sales Promises

Each and every unit is strictly factory tested.

Warranty time: Prime duty 1 year or 1000Hours. Stand-by duty 2 years or 1000 hours.

Service and parts are available from Weichai Power or distributors in your location.

Distributed By:



Manufacturer: Weichai Heavy Machinery Co., Ltd  
Address: 197 A, Fushou East Street, High-Tech Development Zone, Weifang, China  
www.weichaihm.com

