



## W1100



■ **IMPORTANTE:** La información de esta ficha técnica, puede variar sin previo aviso, de acuerdo a la evolución de las normas, avances tecnológicos, requisitos del mercado o autoridad competente. Es importante confirmar toda la información con un asesor de DINATEK y verificar que el equipo sea el correcto para la aplicación destinada.



Dinatek Ecuador



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## Technical Data

### Gen-Set Specifications

Gen-set Model	W1100
Standby Power	1100 kW (1375kVA)
Prime Power	980 kW (1225kVA)
Voltage & frequency Hz	220V/440V, 60HZ
Power Factor	0.8
Rated Speed	1800 rpm
N° of Phases	3

### Engine Make & Model

Engine Make & Model	Weichai12M33D1265E201
Design	12,V-type, in-line, Turbocharged and intercooled
Prime Power	1150kw
Bore & Stroke	150x185mm
Displacement	39.2
Fuel	Direct injection
Fuel consumption @75%(L/h)	171
Fuel consumption@100%(L/h)	230
Starting system	24VCD Electrical
Total Lub. Oil capacity (L)	155
Total coolant capacity (L)	85
Cooling fan airflow(m3/min)	-
Exhaust Temperature (°C)	≤750
Exhaust back Pres. (mBar)	≤75
Radiator design temp. (C°)	45



### Alternator Specifications

Alternator Make	LEROY SOMER
Alternator Model	LSA50.2M6
Design	Brushless bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Exciter Type	Self Excited
Insulation System	Class H
Protection	IP23
Winding Way	12
Voltage Regulation	≤±1%

## Engine

- Weichai / Baudouin 12M33 series, 12 cylinder, V-type 4stroke, 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 DSE8610 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



## 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.

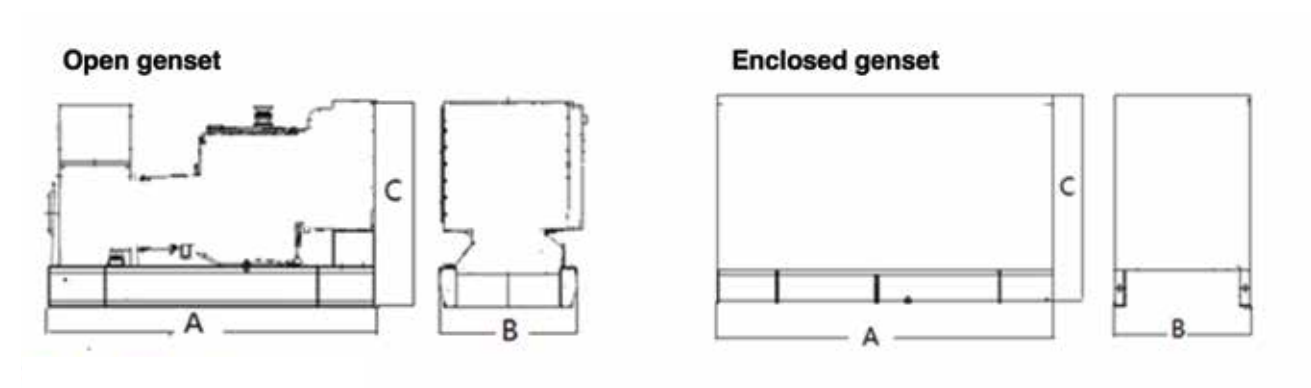
**Standby Rating:** These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous tested (as defined in ISO 8528 3).

## 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 / L: Silent Canopy Series)

Genset Mode	Prime Rating (kVA)	Length A(mm)	Width B(mm)	Height C(mm)	Weight (kg)	Standard Fuel tank Capacity (L)
W1100B76	1250	3525	2241.5	2255.9	8000	/
W1100c76	1250	6.06m	2,44m	2,59m		/



## 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.