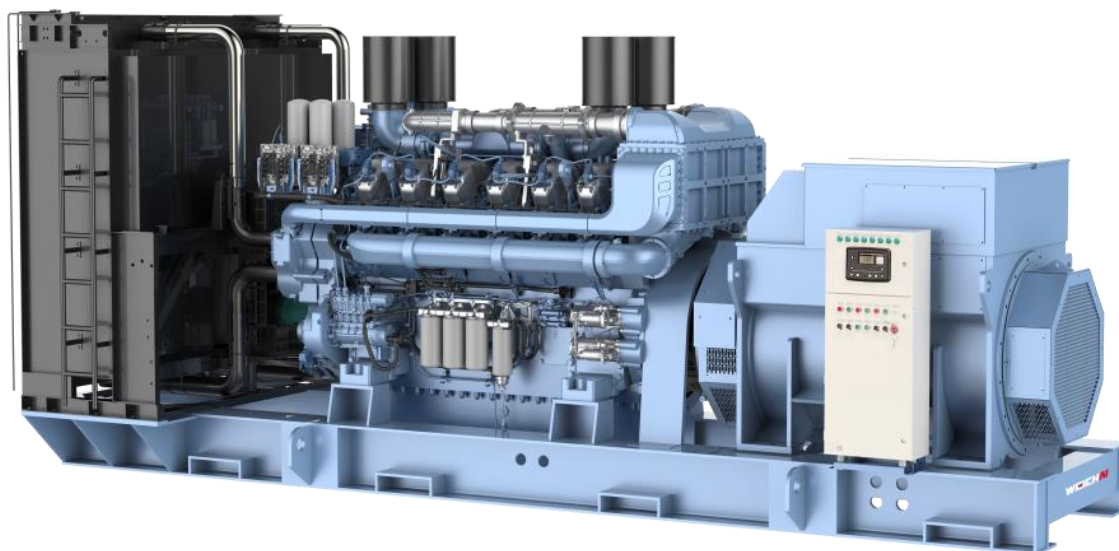


WEICHAI GEN-SETS DATASHEET



Land Based Genset-WPG4125*7

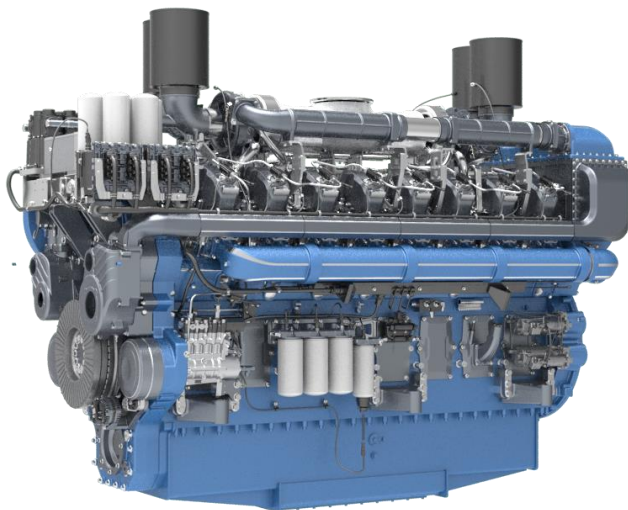
Gen-set specifications	
Model	WPG4125*7
Standby Rating kVA/kWe	4125/3300
Prime Rating kVA/kWe	3750/3000
Voltage V	400/230
Frequency Hz	50
Power Factor	0.8(滞后)
No. of Phases	3
Fuel consumption@25%/ 50% / 75%(L/h)	230 / 390 / 555
Fuel consumption@100% / 110% (L/h)	760/ 850
Sound@7m (dB·(A))	Open≤110 ; Silence≤85
Ambient temp (°C)	-10~40
Gen-set regulation class	ISO8528-5 G3
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100% sudden power decrease/increase)	≤+20%; ≤-15%
Steady-state frequency band	≤0.5%
Transient frequency deviation from rated frequency (100% sudden power decrease/increase)	+10%; -7%

Standard Features			
◆ Electrical Control Unit	◆DC24 Electric starter	◆ DSE 8610 MKII	
◆ Closed water-cooled	◆ IP23	◆H type insulation	
◆ Air filter	◆ Muffler	◆ Circuit Breaker	
◆Starting batteries	◆ with connective wires	◆ Radiator	
◆Oil Drain Valve	◆Shock Absorber		
◆ Color	Weichai blue (B)/ RAL9010 (C)		
◆ Packaging	packing case(B)		

Options		
◇ Voltage380V/415V	◇ Voltage 440V/480V	◇ Voltage 6.3kV/10.5kV /13.8kV
◇ Automatic Transfer Switch	◇ PMG	◇ Engine Heater (water)
◇ External fuel tank (1000L/1500L)	◇ Alternator heater	

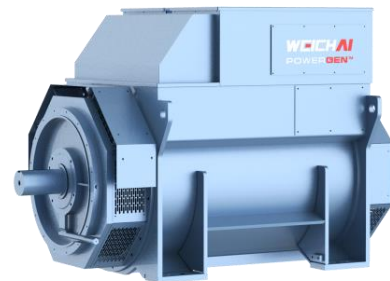
Engine

- Baudouin 16M55 series, 16-V cylinder, 4 stroke, radiator cooled engine
- Well-designed air handling system with
 - Dry type, Replaceable paper element air cleaner with restriction indicator
 - Air to water after cooling
 - High efficiency, large heat area intercooler, reduce the air temperature after the intercooler
- Fuel system with Electrical Control Unit
- Standard integral set-mounted radiator system
- Electrical starter motor with soft start engagement feature
- Intelligent fuel injection technology to start fast guarantee
- Battery charging alternator



Alternator

- Brushless type, Screen protected, Revolving field, Self excited alternator conforming to 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 DSE8610MK II is an Synchronizing Auto Start 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



Engine specifications	
Make	WEICHAI
Mode	16M55G4000/5
Rated Speed r/min	1500
Prime Power kW	3300
Cooling	Liquid cooled
Governor	ECU
Aspiration	Turbocharged and after cooled
No. of cylinders	16,V-Type
Bore (mm) x Stroke (mm)	180x215
Displacement (L)	87.5
Starting system	24VDC
Total coolant capacity (L)	900
Total lubrication system capacity (L)	480
Cooling fan airflow (m ³ /min)	3500
Exhaust Temperature (°C)	≤550
Combustion air flow @ PRP (m ³ /min)	250
Exhaust back pressure (mBar)	≤75
Radiator design temperature(°C)	40

Alternator specifications	
Make	LEROY-SOMER
Alternator Frame	LSA 54.2 L14
Exciter Type	AREP
Enclosure	IP23
Voltage regulation	≤±1%
Class of Insulation	H
Winding Pitch	2/3
Rotor	Double bearing

Remarks

Prime power(PRP)

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously while supplying a available electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufactures.

The permissible average power output, over 24h of operation shall not exceed 70% of the PRP unless otherwise agreed by the RIC engine manufacturer.

Emergency standby power(ESP)

Emergency standby power is defined as the maximum power available during a available electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200h of operation per year with the with the maintenance intervals and procedures being carried out as prescribed by the manufactures.

The permissible average power output, over 24h of operation shall not exceed 70% of the ESP unless otherwise agreed by the RIC engine manufacturer.

Standard Conditions

Standard operating environment: ambient temperature is 5°C~40°C,the altitude is less than 1000m,the relative humidity is less than 90%(25°C),and there is no dust, sand dust, salt fog, mold, condensation environment, etc.

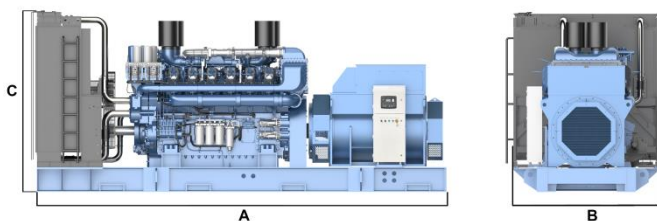
If the operating environment exceeds the above requirements, please contact the factory and consult.

Typical Enclosed Genset Dimensions

Genset Model	Prime Rating (kVA)	Length A(mm)	Width B(mm)	Height C(mm)	Wet Weight* (kg)	Standard Fuel tank Capacity (L)
WPG4125B7	3750	7610	3000	3760	28800	/
WPG4125C7	3750	15700	3500	5500	55000	2000

*:Include coolant and oil.

Open genset



Silence genset

