

Land Based Genset- 16M55 Series 3300-4125kVA, 2400-3000kW Prime



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, 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
- 6 x 12 V 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 DSE7320 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



Technical Data

Generator Set Specification

Model	WPG3300*7	WPG3750*7	WPG4000*7	WPG4125*7
Standby Rating kVA/kWe	3300/2640	3750/3000	4000/3200	4125/3300
Prime Rating kVA/kWe	3000/2400	3250/2600	3625/2900	3750/3000
Voltage V	400/230	400/230	400/230	400/230
Frequency Hz	50	50	50	50
Power Factor	0.8(lagging)	0.8(lagging)	0.8(lagging)	0.8(lagging)
No. of Phases	3	3	3	3

Engine specification

Make	Baudouin	Baudouin	Baudouin	Baudouin
Mode	16M55G3300/5	16M55G3750/5	16M55G4000/5	16M55G4125/5
Rated Speed	1500	1500	1500	1500
Prime Power	2646	2900	3200	3300
Cooling System	Liquid cooled	Liquid cooled	Liquid cooled	Liquid cooled
Governor	ECU	ECU	ECU	ECU
Aspiration	Turbocharged and aftercooled	Turbocharged and aftercooled	Turbocharged and aftercooled	Turbocharged and aftercooled
No. of cylinders	16,V-Type	16,V-Type	16,V-Type	16,V-Type
Bore (mm) x Stroke (mm)	180x215	180x215	180x215	180x215
Displacement (L)	87.5	87.5	87.5	87.5
Fuel consumption@75%(L/h)	454	515	550	580
Fuel consumption@100% (L/h)	605	687	733	775
Starting system	24VDC ECU	24VDC ECU	24VDC ECU	24VDC ECU
Total lubrication system capacity (L)	480	480	480	480
Total coolant capacity (L)	950	950	950	950
Cooling fan airflow (m³/min)	3200	3200	3500	3500
Exhaust Temperature (°C)	≤513	≤532	≤540	≤540
Recommended air flow @ PRP (m³/min)	160	210	250	250
Exhaust back pressure (mBar)	≤75	≤75	≤75	≤75
Radiator design temperature (°C)	50	50	50	50

Alternator specification

Make	LEROY-SOMER	LEROY-SOMER	LEROY-SOMER	LEROY-SOMER
Alternator Frame	LSA53.2 M9	LSA53.2 M12	LSA54.2 L14	LSA54
Exciter Type	AREP	AREP	AREP	AREP
Enclosure	IP23	IP23	IP23	IP23
Voltage regulation	≤±1%	≤±1%	≤±1%	≤±1%
Class of Insulation	H	H	H	H
Winding Pitch	2/3	2/3	2/3	2/3
Rotor	Double bearing	Double bearing	Double bearing	Double 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).

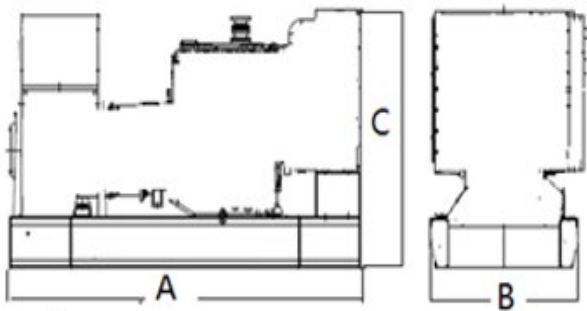
Standard Reference Conditions

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.

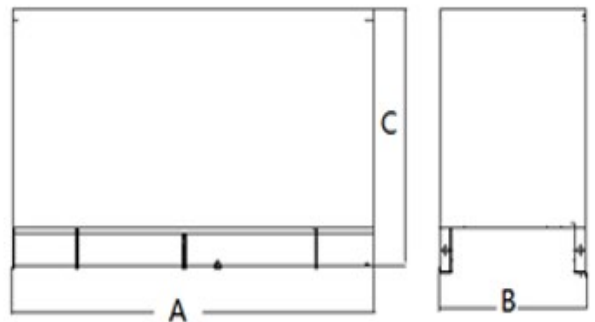
Typical Enclosed Genset Dimensions

Genset Mode	Prime Rating (kVA)	Length A(mm)	Width B(mm)	Height C(mm)	Weight (kg)	Standard Fuel tank Capacity (L)
WPG3300B7	3300	8200	2900	3700	31000	/
WPG3750B7	3750	8200	2900	3700	31500	/
WPG4000B7	4000	8200	2900	3700	32500	/
WPG4125B7	4125	8200	2900	3700	33000	/
WPG3300C7	3300	15000	3500	4600	52000	1000
WPG3750C7	3750	15000	3500	4600	52500	1000
WPG4000C7	4000	15000	3500	4600	53500	1000
WPG4125C7	4125	15000	3500	4600	54000	1000

Open genset



Enclosed genset



Sales Promises

Weichai Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty time: 1、 2 years or 4000 hours from the sales date of the agent; 2、 3 years from the factory date.

First come, first served.

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

Distributed By:

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