



Land Based Genset - 16M55 Series WPG2540 / WPG2800 / WPG3000 / WPG3300

3300-4125kVA, 2640 -3300kWe LTP







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Engine

- Weichai / 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

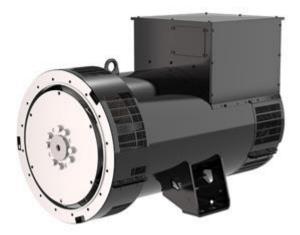
Control Module Specifications

The 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

Standby RatingKVA/kWe3300/26403500/28003750/30004125/3300Prime RatingkVA/kWe3000/24003200/26003300/26403700/3000Voltage V440/254440/254440/254440/254Prequency Hz60606060Power Factor0.8(lagging)0.8(lagging)0.8(lagging)0.8(lagging)No. of Phases3333Engine specificationBaudouinBaudouinBaudouinBaudouinMakeBaudouin16M55G2600/616M55G3000/616M55G3300/6Rated Speed1800180018001800Oreine SystemLiquid cooledLiquid cooledLiquid cooledGooling SystemLiquid cooledLiquid cooledLiquid cooledAspirationTurbocharged and aftercooledaftercooledaftercooledNo. of cylinders16/.'Type16/.'Type16/.'Type16/.'TypeBore (mm) x Stroke (mm)180x215180x215180x215180x215Starting system24/DC ECU24/DC ECU24/DC ECU24/DC ECUCooling fan airflow (m²/min)3200320035003500Cooling fan airflow (m²/min)3200 </th <th>Generator Set Specificat</th> <th></th> <th></th> <th></th> <th></th>	Generator Set Specificat									
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Voltage V 440/254 440/254 440/254 440/254 440/254 Frequency Hz 60 60 60 60 60 Power Factor 0.8(lagging)	Standby Rating kVA/kWe	3300/2640	3500/2800 3750/3000		4125/3300					
Frequency Hz60606060Power Factor0.8(lagging)0.8(lagging)0.8(lagging)0.8(lagging)No. of Phases3333Engine specificationBaudouinBaudouinBaudouinBaudouinMakeBaudouinBaudouinBaudouinBaudouinBaudouinMode16M55G2840/616M55G2800/616M55G300/616M55G300/6Rated Speed1800180018001800Prime Power2710287029303300Cooling SystemLiquid cooledLiquid cooledLiquid cooledLiquid cooledGovernorECUECUECUECUECUAspirationTurbocharged and aftercooledaftercooledaftercooledNo. of cylinders16,V-Type16,V-Type16,V-Type16,V-TypeDisplacement (L)87.587.587.587.5Starting system24VDC ECU24VDC ECU24VDC ECUTotal ub. system capacity (L)480480480Yatus capacity (L)950950950Starting system247DC ECU24VDC ECU24VDC ECUCooling fan airflow (m/min)320032003500Starting system capacity (L)950950950Starting system247DC ECU247DC ECU247DC ECUCooling fan airflow (m/min)320032003500Starting system247DC ECU247DC ECU247DC ECUStarti psecification480	Prime Rating kVA/kWe	3000/2400	3200/2560 3300/2640		3700/3000					
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Total coolant capacity (L) 950 950 950 950 Cooling fan airflow (m³/min) 3200 3200 3500 3500 Exhaust Temperature (°C) 460 475 482 500 Recom. Airflow@PRP (m³/min) 190 201 206 232 Exhaust back pressure (mBar) ≤75 ≤75 ≤75 ≤75 Radiator design temp. (C°) 50 50 50 50 Alternator specification LEROY-SOMER LEROY-SOMER LEROY-SOMER LEROY-SOMER Alternator Frame LSA53.2 M7 LSA53.2 M9 LSA53.2 M9 LSA53.2 M12 Exciter Type AREP AREP AREP AREP Alternator ≤±1% ≤±1% ≤±1% ≤±1% Voltage regulation ≤±1% ≤±1% ≤±1% ≤±1% Kinding Pitch 2/3 2/3 2/3 2/3 2/3	Starting system	24VDC ECU	24VDC ECU	24VDC ECU	24VDC ECU					
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Exhaust back pressure (mBar) ≤ 75 ≤ 75 ≤ 75 ≤ 75 Radiator design temp. (C°)50505050Alternator specificationMakeLEROY-SOMERLEROY-SOMERLEROY-SOMERLEROY-SOMERAlternator FrameLSA53.2 M7LSA53.2 M9LSA53.2 M9LSA53.2 M9Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$ $2/3$	Exhaust Temperature (°C)	460	475	482	500					
Radiator design temp. (C°)50505050Alternator specificationMakeLEROY-SOMERLEROY-SOMERLEROY-SOMERLEROY-SOMERAlternator FrameLSA53.2 M7LSA53.2 M9LSA53.2 M9LSA53.2 M9Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$ $2/3$	Recom. Airflow@PRP (m³/min)	190	201	206	232					
Alternator specificationMakeLEROY-SOMERLEROY-SOMERLEROY-SOMERLEROY-SOMERAlternator FrameLSA53.2 M7LSA53.2 M9LSA53.2 M9LSA53.2 M9Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$	Exhaust back pressure (mBar)	≤75	≤75	≤75	≤75					
MakeLEROY-SOMERLEROY-SOMERLEROY-SOMERLEROY-SOMERAlternator FrameLSA53.2 M7LSA53.2 M9LSA53.2 M9LSA53.2 M12Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation≤±1%≤±1%≤±1%≤±1%Class of InsulationHHHHWinding Pitch2/32/32/32/3	Radiator design temp. (C°)	50	50	50 50						
Alternator FrameLSA53.2 M7LSA53.2 M9LSA53.2 M9LSA53.2 M9Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$	Alternator specification									
Exciter TypeAREPAREPAREPAREPEnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch2/32/32/32/3	Make	LEROY-SOMER	LEROY-SOMER	LEROY-SOMER	LEROY-SOMER					
EnclosureIP23IP23IP23IP23Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$	Alternator Frame	LSA53.2 M7	LSA53.2 M9	LSA53.2 M9	LSA53.2 M12					
Voltage regulation $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ $\leq \pm 1\%$ Class of InsulationHHHHWinding Pitch $2/3$ $2/3$ $2/3$ $2/3$ $2/3$	Exciter Type	AREP	AREP	AREP AREP						
Class of InsulationHHHWinding Pitch2/32/32/32/3	Enclosure	IP23	IP23 IP23		IP23					
Winding Pitch 2/3 2/3 2/3 2/3	Voltage regulation	≤±1%	≤±1%	≤±1%	≤±1%					
-	Class of Insulation	Н	Н	н н						
Rotor Double bearing Double bearing Double bearing Double bearing	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).

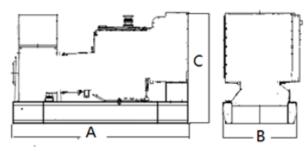
Standard Reference Conditions

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.

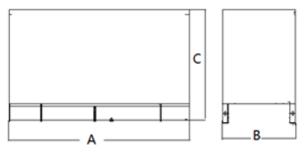
Genset Mode	Prime Rating (kVA)	Length A(mm)	Width B(mm)	Height C(mm)	Weight (kg)	Standard Fuel tank Capacity (L)
WPG2640B76	3000	8200	2900	3700	31000	/
WPG2800B76	3200	8200	2900	3700	31500	/
WPG3000B76	3300	8200	2900	3700	32500	/
WPG3300B76	3750	8200	2900	3700	33000	/
WPG2640C76	3000	15000	3500	4600	52000	1000
WPG2800C76	3200	15000	3500	4600	52500	1000
WPG3000C76	3300	15000	3500	4600	53500	1000
WPG3300C76	3750	15000	3500	4600	54000	1000

Genset Dimensions (B: Open Series without Fuel Tank / C: Container mounted Series)

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.



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

