

**TECHNICAL SPECIFICATION FOR MOBILE 64 kW  
ELECTRIC GENERATORS**


*\*Images are of indicative nature*

Generating set model	E80B3LS-N	E80B3LST-N	E80B3LST1-N
Execution / Version	In a canopy without trailer	In a canopy on a public road trailer	In a canopy on an off-road trailer
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)		
Prime Power (PRP)	64 kW (80 kVA)		
Standby Power (ESP)	70.4 kW (88 kVA)		
Frequency	50 Hz		
Voltage	3 phase, 400/220 V		
Standards compliance	European Union directives: 2006/42 / EC, 2014/35 / EC, 2014/30 / EC, 2000/14 / EC, 97/68 / EC ISO 8528-1, ISO 8528-5, ISO 8528-13.4.3		
Governing standards	G3	G3	G3
Emission class	Stage IIIA	Stage IIIA	Stage IIIA
Operating environment	-19°C to +40°C		
Approx. dimensions (including trailer)	2900 x 1100 x 1650(H) mm	3425 x 1950 x 2240(H) mm	5161 x 1950 x 2250(H) mm
Approx. weight (filled with all liquids & including trailer)	~2000 kg	~2705 kg	~2890 kg
Engine	<b>Baudouin 4M10G4D3/5 or EU Top brand analog</b>		
Number of cylinders	L-4		
Speed	1500 RPM		
Cooling system	Radiator type		
Engine block preheater	+ (Electrical)		

Starting system	12 VDC Electric starter with starting battery and charging alternator on engine		
Exhaust system	Upward exhaust system with flexible compensator and silencer (integrated inside the canopy)		
Fuel	According to EN590; F54; F34		
Fuel consumption at 100% load	17,5 l/h		
Fuel consumption at 75% load	13,3 l/h		
<b>Alternator</b>	<b>Leroy-Somer (France) TAL044B or EU Top brand analog</b>		
Execution	Single bearing, self-excited, brushless, with AVR		
Protection class	IP23		
Insulation class	H		
<b>Control panel</b>	<b>Based on microprocessor controller with LCD display</b>		
Parameters indication	AC voltage phase to phase and phase to neutral (3 phases); AC current on each of 3 phases; electric power; frequency; power factor; running hours; engine rpm; coolant temperature; lube oil pressure; fuel level; DC voltage.		
Mode of operation	Manual start / stop		
Genset/engine protection	Low oil pressure, high coolant temperature, over-speed, thermal overload, short circuit, with warning signals and automatic switch-of		
Emergency stop button	+		
<b>Canopy</b>	<b>Weather proof, "SILENT" type, with lockable service doors</b>		
Noise level, dBA at 7 m	70		
Built in frame fuel tank capacity	200 L (For 12 h operation at 75% load)		
Color	NATO green matt, RAL 6031		
Distribution panel with lockable hatch	One (1) ea 400V, 32A, 3P+N+E female socket; Two (2) ea 220-230V 16A, IP44 SCHUKO style female sockets; four terminals (3P+N) for full power consumer (200 A).  All the outlets shall be on individual circuit breakers and equipped with individual spring-loaded PVC caps.		
6 kg powder fire extinguisher	-	+	+
Pockets in frame for lifting by forklift	+		
Lifting loops on canopy roof and frame	+		
<b>Trailer</b>	<b>Without - suitable to be transported on a trailer</b>	<b>Heavy-duty high-speed trailer, suitable for light off-road and motorway use</b>	<b>Heavy-duty, suitable for off-road and motorway use</b>
Coupling mechanism	-	Non-adjustable	Height-adjustable
Towing eye	-	Ø 51 mm hitch ball	Ø76 mm (acc. STANAG 4101)
Number of axes	-	Two-axle	Two-axle
Brakes	-	Inertia and parking	Inertia and parking
Clearance, cm	-	18	30
Parking brakes	-	+	+
Support adjustable castor, lowering support legs	-	+	+
Wheels	-	+	+
Connection to the vehicle	-	12-pins plug (in accordance with STANAG 4135)	12-pins plug (in accordance with STANAG 4135)

Color	-	NATO green matt, RAL 6031	NATO green matt, RAL 6031
Spare wheel	-	+	+
Lifting loops for lifting by crane (Together with generating set)	-	+	+
Registration in Road Police office	-	Possible registration of Trailer with generating set as one-piece vehicle (Not only separate trailer)	Possible registration of Trailer with generating set as one-piece vehicle (Not only separate trailer)
<b>Options included in the scope of supply</b>			
Cable HO7RN-F 32A, 400 V (5x4 mm), 20m with socket PCE 2252-6.u and plug PCE 0252-6.u		+	secured on the body of the canopy for storage and transport
Cable HO7RN-F 16A, 230 V (3x1,5 mm), 20m with SCHUKO socket PCE 20251-uc and SCHUKO plug PCE 2051-u		+	secured on the body of the canopy for storage and transport
Grounding equipment set with galvanized 1m long spike with and 2m of 10mm <sup>2</sup> cable		+	
Set of tools for maintenance		+	
<b>Documentation</b>			
Operational manual for complete generating set		+	(in English language)
Spare parts catalogs		+	(in English language)
Package of technical documentation (drawings, diagrams, etc.)		+	(in English language)
CE declaration of conformity		+	
Factory test report		+	
<b>Other</b>			
Warranty			24 months from delivery in accordance with operation manual's instructions
Maintenance			Maintenance in accordance with operation manual's instructions



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