

**TECHNICAL SPECIFICATION FOR MOBILE 32 kW
ELECTRIC GENERATORS**


**Images are of indicative nature*

Generating set model	E40B3LS-N	E40B3LST-N	E40B3LST1-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)	32 kW (40 kVA)		
Standby Power (ESP)	35.2 kW (44 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)	2400 x 1000 x 1550(H) mm	3925 x 1950 x 2140(H) mm	4657 x 1950 x 2150(H) mm
Approx. weight (filled with all liquids & including trailer)	~1310 kg	~2015 kg	~2200 kg
Engine	Baudouin 4M10G2D3/5 or EU Top brand analog		
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	10,4 l/h		
Fuel consumption at 75% load	8,0 l/h		
Alternator	Leroy-Somer (France) TAL042E or EU Top brand analog		
Execution	Single bearing, self-excited, brushless, with AVR		
Protection class	IP23		
Insulation class	H		
Control panel	Based on microprocessor controller with LCD display		
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	+		
Canopy	Weather proof, "SILENT" type, with lockable service doors		
Noise level, dBA at 7 m	70		
Built in frame fuel tank capacity	100 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	+		
Trailer	Without - suitable to be transported on a trailer	Heavy-duty high-speed trailer, suitable for light off-road and motorway use	Heavy-duty, suitable for off-road and motorway use
Coupling mechanism	-	Non-adjustable	Height-adjustable
Towing eye	-	Ø 51 mm hitch ball	Ø76 mm (acc. STANAG 4101)
Number of axes	-	Single-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)
Options included in the scope of supply			
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 ² cable		+	
Set of tools for maintenance		+	
Documentation			
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		+	
Other			
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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