RĪGAS DĪZELIS
ANNO 1949

Diesel Gensets, Lighting units, Diesel pump units, Propulsion Units and Outboards for Marine, Land and Defence Application

TECHNICAL SPECIFICATION FOR MOBILE 100 kW
DIESEL ELECTRIC GENERATORS WITH TRAILER

Images are of indicative nature

Generating set model	E125B3LST-N
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)
Execution	In canopy, on trailer
Prime Power (PRP)	100 kW (125 kVA)
Standby Power (ESP)	110 kW (137,5 kVA)
Frequency	50 Hz
Voltage	3 phase, 400/230 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 Applicable STANAG standards and criteria
Emission class	Stage IIIA
Operating environment	-20°C to +40 ^{o}C
Approx. dimensions (without trailer)	2900 x 1100 x 1750(H) mm
Approx. dimensions (including trailer)	5200 x 2005 x 2350(H) mm
Approx. weight (filled with all liquids &including trailer)	~2950 kg
Engine	4M12G2D3/5 Baudouin (France)
Number of cylinders	L-4
Speed	1500 RPM
Cooling system	Radiator type
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
Fuel consumption at 100% load	28,6 l/h
Fuel consumption at 75% load	21,8 l/h
Alternator	TAL 044E (125 kVA)
	Leroy-Somer or EU Top brend analog
Execution	Single bearing, self-excited, brushless, with AVR
Protection class	IP23
Insulation class	H

Control panel	**Based on microprocessor controller** (With indication for voltage, current, power, running hours, engine's operational parameters and others)
Genset/engine protection	Low oil pressure, high coolant temperature, over-speed, thermal overload, with warning signals and automatic switch-of
Panel protection class	IP65
Alternator's circuit breaker	+
Emergency stop button	+
Canopy	**Weather proof, "SILENT" type, with lockable service doors**
Noise level at 75% load and at 7 m distance, dBA	75
Built in frame fuel tank capacity	300 L, with lockable fuel filler cap (For 13 h operation at 75% load)
Color of the canopy	NATO green matt, RAL 6003
Sockets with separate circuit breakers and protection covers	2 pcs. x 230, 16 A, schuko; 1 ps. x 400 V, 16A; 1 pc. x 400 V, 32A; 1 pc. x 400 V, 63A; 1 pc. x 400 V, 125A. Socket protection class – IP67.
Electrical outlet 400 V Bus bar	+
Lifting loops on canopy roof and frame	+
Trailer	**Two-axle, heavy-duty high-speed trailer, suitable for off-road and on-road use**
Coupling mechanism	Height-adjustable on range 800÷1100 mm (±5%)
Towing eye	Ø76 mm (acc. STANAG 4101)
Brakes	Mechanical, overrunning type
Parking brakes	+
Four support adjustable stabilizing legs	+
Manually raising caster wheel	+
Four lifting loops for lifting whole genset	+
Wheels (4 pcs + 1 spare wheel)	With non-studded M+S categories tires
Connection to the vehicle	24 VDC electrical system with 12-pins plug (in accordance with STANAG 4135)
Color of the trailer	Matte black or any other desired military color
Options included in the scope of supply	
Two grounding rods with grounding cable	+
Set of tools for maintenance	+
Documentation (in English language)	
Operational manual for complete generating set	+
Operational manuals for diesel engine, alternator and control system	+
Spare parts catalogs	+
CE certificate of conformity	+
Factory test report	+
Other	
Fuel in the tank	300 L
Warranty	24 months from delivery (but not more than 1000 operating hours)