

TECHNICAL SPECIFICATION FOR 80 kW and 120kW TRAILER TYPE GENSET



Picture is indicative and may not reflect actual product. Scope and technical parameters of the product in question are presented below.

Generating set model	E100F5LAST	E150F5LAST
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)	
Execution	In canopy, with trailer	
Production year	2024 (not used)	
Prime Power (PRP)	80 kW (100 kVA)	120 kW (150 kVA)
Standby Power (ESP)	88 kW (110 kVA)	132 kW (165 kVA)
Frequency	50 Hz	
Voltage	3 phase, 400/230 V	
Standards compliance	European Union directives: 2006/42/EB / EC, 2014/35 / EC, 2014/30 / EC, 2000/14/EB, ISO 8528-1, ISO 8528-5, ISO 8528-13.4.3	
Governing standards	G3	
Emission class	Stage V	
Operating environment	-20°C to +50 °C	
Approx. dimensions (without trailer)	2700 x 1300 x 1750 (H) mm	3400 x 1300 x 1850 (H) mm
Approx. weight (filled with all liquids & including trailer)	~2350 kg	~3100 kg

Engine	F36ETVP03.A94 FPT (Italy)	N67TEVP06.00 FPT (Italy)
Number of cylinders	L-4	L-6
Speed	1500 RPM	
Cooling system	Radiator type (liquid cooled), el. heater	
Fuel system	Common rail injection system, BOSCH injection pump, 1600 bar injection pressure, single cartridge fuel filter, fuel separator with replaceable filter element and water sensor.	
Fuel type	Diesel	
Fuel consumption at 100% load	22,2 l/h	30,0 l/h
Fuel consumption at 75% load	16,5 l/h	22,3 l/h
Starting system	Electric starter with starting batteries (including battery earth switch), charging alternator on engine, static SMART charging device.	
Exhaust system	Flexible compensator, DOC + DPF + SCR-T After Treatment System (integrated inside the canopy)	
Oil system	Oil filter, manual oil drain pump	
Alternator	TAL 044D Leroy Somer (France), or EU Top brand analog	TAL 044J Leroy Somer (France) or EU Top brand analog
Execution	Single bearing, PMG, with AVR	
Protection class	IP23	
Insulation class	H	
Winding space heater	+	
Control panel	Based on microprocessor controller (With indication for voltage, current, active energy used in kWe/h, running hours, and others)	
Genset/engine protection	Low oil pressure, high coolant temperature, over-speed, thermal overload, with warning signals and automatic switch-of	
Generating set start / stop	Automatic (AMF) start / stop in the event of a mains failure; Manual by means of the start / stop buttons on the controller front panel	
Panel protection class	IP65	
Automatic transfer switch (ATS)	+	
GPS/Ethernet monitoring module	+	
Emergency stop button	+	
Canopy	Weather proof, "SILENT" type, with lockable service doors	
Noise level, at 7 m	65 dBA	
Built in fuel tank	Fuel tank with double bottom, with a fuel level gouge and leak detector (audible alarm appears in control panel in case of fuel leakage)	
Fuel tank capacity (for 10 h of 100% PRP), l	250	350
Color	RAL 7046 (dark grey)	
Grounding rod	+	
Cover to protect the set from the sun and various weather conditions and during transport	+	
Sockets	400V 1x160A, 400V 1x32A, 400V 1x16 A, 2x230 V (2 x schuko), with a protection class of at least IP55 (installed in the external rear part of the canopy).	
Inlet terminals for mains connection	+	
	It is possible to dismantle generating set from the trailer by unscrewing it from the trailer floor and using lifting points on the canopy.	
Trailer	Trailer category O2	
Compliance	Acc. to technical requirements (all actual related EU and Estonian standards)	
Full mass, max	2850 kg	3500 kg
Color	Hot galvanized	
Operating environment	-30°C to +35 °C	
Frame	Welded frame of non-corrodible materials	
Service life	Min. 10 years (when used according to the operating instructions)	
Stability speed on the straight road	90 km/h	
Coupling mechanism	50 mm drawbar (with an orange-colored rubber protective cover)	

Coupling indicator	Shows locking positions: open / closed
Coupling high (horizontal trailer position)	Between 350 and 450 mm
Number of axes	Two-axle
Number of wheels	4 pcs.
Tyres type	M+S and 3PMSF (manufactured for use in Nordic countries)
Spare wheel	+ (full size, M+S)
Brakes	Inertia and hand brakes
Outriggers	2 pcs. (in the rear side of the trailer)
Lifting rings	+ (2 pieces, with lifting ring holders attached to the trailer)
Support wheel	+ (solid rubber, capable of supporting a load of at least 200 kg)
Lights	+ (direction, stop and front position, reversing)
Registration in Road Police office	Registration of Trailer Generator with road authorities (Not only separate trailer)
Documentation	
Operational manual for complete generating set (hard copy and in electronic format)	+ (in English language)
Maintenance manual for complete generating set (hard copy and in electronic format)	+ (in Estonian language)
Operation manuals for engine end alternator	+ (in English language)
Spare parts catalogs	+ (in English language)
CE certificate of conformity	+
Factory test report	+



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