

TECHNICAL SPECIFICATION FOR MOBILE TRAILER TYPE 64 kW / 80 KVA GENSET


**Images are of indicative nature and may not reflect actual product. Scope and technical parameters of the product in question are presented below*

Generating set model	E80F5LST
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)
Execution	In canopy, on trailer
Production year	2024 (not used)
Prime Power (PRP)	64 kW (80 kVA)
Standby Power (ESP)	70,4 kW (88 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 1200 x 1650 (H) mm
Approx. weight (filled with all liquids & including trailer)	~2710 kg
Engine	F36ETVP03.A85 FPT (Italy)
Number of cylinders	L-4
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	16,6 l/h
Fuel consumption at 75% load	12,4 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	TAL044 B J6S/4 Leroy Somer (France), or EU Top brand analog

Execution	Single bearing, PMG, with AVR and windings anti-condensate el. heater
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	By means of pressing the START / STOP buttons on microprocessor controller
Panel protection class	IP65
Emergency stop button	+
Canopy	Weather proof, "SILENT" type, with lockable service doors
Noise level, at 7 m	65 dBA
Built in fuel tank	200 L fuel tank with double bottom, with a fuel level gouge and leak detector (audible alarm appears in control panel in case of fuel leakage)
Color	RAL 7046 (dark grey)
Grounding rod	+
Sockets	400V 1x63A, 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).
	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
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)
Studded tire wheels	4 pcs. wheels (studded tire + rim) are delivered separately
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	+ (pneumatic, 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 with generating set as one-piece vehicle (Not only separate trailer)
Documentation	
Operational manual for complete generating set (hard copy and in electronic format)	+
Maintenance manual for complete generating set (hard copy and in electronic format)	+
Operation manuals for engine end alternator	+
Spare parts catalogs	+
CE certificate of conformity	+
Factory test report	+



ANNO 1949

Address: 36 Ganību dambis, Rīga, Latvia, LV-1005
 Telephone: +371 67391781, +371 67381626
 Fax: +371 67381925
 E-mail: info@rigasdizelis.com
 Website: www.rigasdizelis.lv