

**TECHNICAL SPECIFICATION FOR 32 kW DIESEL GENERATING SET WITH TRAILER**

<b>Generating set model</b>	<b>E40Kh5LST</b>
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)
Execution	In canopy, on trailer
Prime Power (PRP)	32 kW (40 kVA)
Standby Power (ESP)	35,2 kW (44 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	-30°C to +30°C
Approx. dimensions (without trailer)	2400 x 1000 x 1700 (H) mm
Approx. weight (filled with all liquids & including trailer)	~1700 kg
<b>Engine</b>	<b>KDI-TCR 2504E5/15 Kohler (Italy) or EU Top brand analog</b>
Number of cylinders	L-4
Speed	1500 RPM
Cooling system	Radiator type
Fuel system	Common-rail system with 2000 bar high-pressure fuel pump, fuel solenoid-injectors (4 pcs.) electronically controlled
Starting system	Electric starter with starting batteries, charging alternator on engine
Exhaust system	Flexible compensator, DOC-DPF unit and silencer (integrated inside the canopy)
Fuel consumption at 100% load	9,7 l/h
Fuel consumption at 75% load	7,2 l/h
<b>Alternator</b>	<b>TAL 042E Leroy Somer (France) 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</b> (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
Panel protection class	IP65
Emergency stop button	+
<b>Canopy</b>	<b>Weather proof, "SILENT" type, with lockable service doors</b>
Noise level, dBA at 7 m	65

Built in frame fuel tank capacity	100 L
Color	RAL 7035
Sockets	230V 16A 1L/N/PE, 400V 32A 3L/N/PE and 400V 63A 3L/N/PE, with a protection class of at least IP44 (installed in the external part of the canopy).
<b>Trailer</b>	<b>Trailer category O2</b>
Coupling mechanism	Height-adjustable
Draw bar hitch	Interchangeable of ISO 50 and height adjustable (0,48-1,1m)
Number of axes	Two-axle
Brakes (in accordance to actual requirements for trailers in Lithuania)	Mechanical
Wheels	155r13C M+S
Connection to the vehicle	12V, 13 pin
Color	Hot galvanized
Spare wheel	+
Road safety Insurance included	+ (1 year)
Registration in Road Police office	Registration of <b>Trailer with generating set</b> in the State Enterprise REGITRA as one-piece vehicle <b>(Not only separate trailer)</b>
<b>Documentation</b>	
Operational manual for complete generating set	+ (in Lithuanian and English languages)
Operation manuals for engine end alternator	+ (in English language)
Spare parts catalogs	+ (in English language)
CE certificate of conformity	+
Factory test report	+
<b>Other</b>	
Delivery	At Customer's site in Lithuania
Acceptance	Fuel for 30 min. test is included
Training	Customer's personal training is included (during generating set acceptance)
Warranty	24 months from delivery (but not more than 2000 operating hours)
Maintenance	Maintenance in accordance with operation manual's instructions is included during above specified warranty period



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