

TECHNICAL SPECIFICATION FOR 15 kW DIESEL GENERATING SET WITH TRAILER

Generating set model	E19Kh5MAST
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)
Execution	In canopy, on trailer
Prime Power (PRP)	15 kW (18,8 kVA)
Standby Power (ESP)	16,5 kW (20,68 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
Emission class	Stage V
Operating environment	-30°C to +35 °C
Fuel tank	Volume enough for 12 hours for generating set operation at 100% load
Approx. dimensions (without trailer)	1900 x 900 x 1250 (H) mm
Approx. weight (filled with all liquids & including trailer)	~1350 kg
Engine	KDI M 1903E5/15 Kohler (Italy) or EU Top brand analog
Number of cylinders	L-3
Speed	1500 RPM
Cooling system	Radiator type
Fuel system	High Pressure Common Rail
Governor	ECU
Starting system	Electric starter with starting batteries (including battery switch), charging alternator on engine, static charging device
Exhaust system	Flexible compensator and silencer (integrated inside the canopy)
Fuel consumption at 100% load	5,1 l/h
Fuel consumption at 75% load	3,6 l/h
Alternator	ECP 28-M/4C MeccAlte (Italy) or EU Top brand analog
Execution	Single bearing, PMG, with AVR, System 4 protection
Protection class	IP23
Insulation class	H
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
Panel protection class	IP65
Emergency stop button	+
ATS function	+
Canopy	Weather proof, "SILENT" type, with lockable service doors

Noise level, dBA at 7 m	65
Built in frame fuel tank capacity	100 L
Color	RAL 7035
Sockets	1 x 3P+N+PE 32A, 1 x 3P+N+PE 16A, 1 x 1P+N+PE 16A (installed inside the canopy)
Electrical outlet terminals	+ (for mains and load connections)
Other	Interior lighting
Trailer	On road and off-road Trailer
Coupling mechanism	50 mm ball
Trailer frame	V-beam, welded and hot-dip galvanized
Number of axes	Two-axle
Brakes (in accordance to actual requirements for trailers in Lithuania)	Inertia-mechanical brakes with a reversing mechanism and a handbrake
Wheels	Winter, non-studded
Connection to the vehicle	12V, 13 pin
Color	Hot galvanized
Other options included	Trailer sides (the rear side can be opened), sides height not more than 0,4 m
Registration in Road Police office	Registration of Trailer Generator with road authorities (Not only separate trailer)
Documentation	
Operational manual for complete generating set	+ (in English languages)
Operation manuals for engine end alternator	+ (in English language)
Spare parts catalogs	+ (in English language)
Factory test report	+



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