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**TECHNICAL SPECIFICATION E18KhMST-N  
MOBILE TRAILER TYPE 14.5 kW DIESEL ELECTRIC GENERATING SET WITH TRAILER**



<b>Generating set model</b>	<b>E18KhMST-N</b>
Manufacturer	SIA "RĪGAS DĪZELIS DG"
Execution	In canopy, on trailer
Prime Power (PRP)	14,5 kW (18 kVA)
Standby Power (ESP)	16 kW (20 kVA)
Frequency	50 Hz $\pm$ 3%
Voltage	3 phase, 400/230 V $\pm$ 1.5%
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
Governing standards	G2
Emission class	Stage IIIA
Operating environment	-30°C to +40 °C
Dimensions (including trailer)	3650 x 1950 x 1855 (H) mm
Weight (filled with all liquids & including trailer)	~ 1440 kg
<b>Engine</b>	<b>KDI1903M KOHLER (Italy / USA)</b>
Number of cylinders	L-3
Speed	1500 RPM
Cooling system	Radiator, engine heater
Starting system	Electric starter with starting battery, charging alternator on engine and static charging device
Exhaust system	Upward exhaust system with flexible compensator and silencer (integrated inside the canopy)
Fuel	According to EN590
Consumption at 100% load	4,8 l
<b>Alternator</b>	<b>Mecc Alte (Italy), or EU analog</b>

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Execution	4-pole, single bearing, self-excited, brushless, with AVR
Protection class	IP23
Insulation class	H
<b>Control panel</b>	<b>Based on microprocessor controller</b>
Control and protection	According to customer's requirements
Protection	IP65
AMF & ATS function	+
Emergency stop button	+
<b>Canopy</b>	<b>Weather proof, "SILENT" type, with lockable service doors</b>
Noise level	69 dBA at 7 m
Color	RAL 6031, 6003 or other at request of the customer
Built in frame fuel tank	Volume enough for 12 h operation at 100% load
Sockets	2x16A, 230 V 2P+E & 1x 32A, 400 V 3P+N+E Socket protection class – IP67
Pockets in frame for lifting by forklift	+
Lifting loops on canopy roof and frame	+
<b>Trailer</b>	<b>One-axle, heavy duty, high speed trailer, suitable for use on and off-road</b>
Coupling mechanism (under the customer's request)	Height-adjustable or fixed
Towing eye	Ø76 mm acc. STANAG 4101 or ball bracket
Brakes	Inertial
ABC	+
Wheels	With winter tires
Connection to the vehicle	12-pins plug (in accordance with STANAG 4135)
Clearance (under request)	24 - 30 cm
Color	RAL 6031, 6003 or other at request of the customer
Spare wheel	+
Lifting loops for lifting by crane (together with generating set)	+
Road safety Insurance included	+
Registration in Road Police office included (at customer's request)	Registration of <b>Trailer with generating set</b> as one-piece vehicle <b>(not only separate trailer)</b>
<b>Included options</b>	
Equipment for connecting external batteries for generating set starting	VDA 72593 or equivalent socket; 2-pole, 24 V, 4 m cable, 2x35 mm <sup>2</sup> , with VDA 72593 or equivalent plugs
Grounding equipment set with 15 m cable	+
Set of standard tools for maintenance	+
<b>Documentation</b>	
Operational manual for complete generating set	+ (English language, other languages on request)
Spare parts catalogs	+ (in English language)
Package of design documentation (drawings, diagrams, etc.)	+ (in English language)
CE certificate of conformity	+
Factory test report	+
<b>Other</b>	

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Delivery	On request
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 1000 operating hours)
Maintenance	On request

Options	
1	Special fuel type engine liquid preheater
2	Parallel operation with other generating sets and / or mains
3	Additional 20 l fuel can(s) for installation on trailer
4	Powder fire extinguisher
5	Power cable 25 m
6	Set of filters for maintenance during warranty period for 500 or 1000 operating hours



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