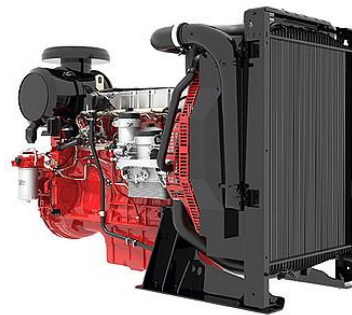


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Revision:	Rev1

**TECHNICAL SPECIFICATION E125D2MST-N  
MOBILE TRAILER TYPE 100 kW DIESEL ELECTRIC GENERATING SET**



<b>Generating set model</b>	<b>E125D2MST-N</b>
Manufacturer	SIA "RĪGAS DĪZELIS DG"
Execution	In canopy, on trailer
Prime Power (PRP)	100 kW (125 kVA)
Standby Power (ESP)	110 kW (137,5 kVA)
Frequency	50 Hz ± 3%
Voltage	3 phase, 400/230 V ± 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	G3
Emission class	Stage IIIA
Operating environment	-30°C to +40°C
Dimensions (including trailer)	5570 x 2005 x 2350(H) mm
Weight (filled with all liquids & including trailer)	~3380 kg
<b>Engine</b>	<b>TCD2013L06 2V DEUTZ (Germany)</b>
Number of cylinders	L-6
Speed	1500 RPM
Cooling system	Radiator, engine heater
Starting system	Electric starter with starting batteries, 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	27,6 l
<b>Alternator</b>	<b>Mecc Alte (Italy), or EU analog</b>

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Execution	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 (under request)	Min. 2 pcs. 230 V & 1 pc. 400 V Socket protection class – IP67
Pockets in frame for lifting by forklift	+
Lifting loops on canopy roof and frame	+
<b>Trailer</b>	<b>Two-axle, heavy duty high speed trailer, suitable for speed at least 60 km/h</b>
Coupling mechanism	Height-adjustable
Towing eye	Ø76 mm (acc. STANAG 4101)
Brakes	Pneumatic (in accordance to actual requirements for trailers in end customer country)
ABC	+
Wheels	With winter tires
Connection to the vehicle	12-pins plug (in accordance with STANAG 4135)
Clearance	At least 30 cm
Color	RAL 6031, 6003 or other at request of the customer
Spare wheel	+
6 kg powder fire extinguisher	+
Lifting loops for lifting by crane (together with generating set)	+
Road safety Insurance included	+ (1 year)
Registration in Road Police office included	Registration of <b>Trailer with generating set</b> as one-piece vehicle <b>(not only separate trailer)</b>
<b>Included options</b>	
Power cable	+ (25 m)
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 tools for maintenance	+
Set of filters for maintenance during warranty period (but not more than 1000 operating hours)	+
<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	+

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<b>Other</b>	
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

<b>Excluded options</b>	
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



**ANNO 1949**

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