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**TECHNICAL SPECIFICATION 1EA8.5LMES-N
PORTABLE 8,5 kW DIESEL ELECTRIC GENERATING SET WITH WEELS AND HANDLES**



Note: available power range 6-8,5 kWe (3-phase or single phase)

Generating set model	1EA8.5LMES-N
Manufacturer	SIA "RĪGAS DĪZELIS DG"
Execution	In canopy, with removable wheel kit
Prime Power (PRP)	8,5 kW (8,5 kVA, if $\cos \phi = 1,0$)
Standby Power (ESP)	9,3 kW (9,3 kVA)
Frequency	50 Hz \pm 3%
Voltage	Single phase, 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
Emission class	Not emitted / EU Stage V
Operating environment	-30°C to +50 °C
Dimensions (w/o wheels kit)	1150 x 753 x 900 (H) mm
Dry weight (net)	~ 250 kg
Engine	25LD425 Lombardini / Kohler (Italy)
Number of cylinders	2
Speed	3000 RPM
Cooling system	Air-forced
Starting system	Electric starter with starting battery, glow-plug preheater, charging alternator on engine and static 230 V battery charging device
Oil preheater	+
Exhaust system	Downward-pointing exhaust system (output at the bottom of the side panel), with flexible compensator and silencer, integrated inside the canopy and does not go beyond the size of the canopy; exhaust system does not require maintenance and is without add. equipment (AdBlue. DPF, etc.)

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Fuel	According to EN590 and STANAG 7090 F-63
Fuel consumption at 100% load	3,1 l/h
Fuel consumption at 75% load	2,2 l/h
Fuel consumption at 50% load	1,7 l/h
Fuel tank capacity	20 l
Oils and technical fluids	According to NATO STANAG 1135;
Alternator	Mecc Alte (Italy), or EU analog
Execution	2-poles, single bearing, self-excited, brushless, with AVR
Protection class	IP23
Insulation class	H
Canopy (housing)	Weather proof, "SILENT" type metal construction, filled with sound-proof material, with lockable service doors from both sides; doors are with rubber seals
Canopy ventilation system	Forced, with a suction type electric fan placed inside of the canopy
Noise level	70 dBA at 7 m
Lifting	Special holes in the upper part of the roof for slinging
Set of handles	Four handles that do not go beyond the housing dimensions. Two handles on each side, folding in convenient position for movement.
Set of removable wheels	Option
Color	RAL 6031, 6003 (Matt, F9) or other at request of the customer
Corrosion resistance	Over 5 years (corrosivity category C5-M)
Paints	Oil and technical liquid resistant according to NATO standard AEP-65
Control panel	
Controls and protections (or acc. to customer's requirements)	- Analog voltmeter; - Analog ammeter; - Analog frequency meter; - Engine hour counter; - Oil pressure gauge; - Oil temperature gauge; - Fuel level gauge; - Alarm / protection: high oil temperature, low oil pressure, low fuel level, overload / short circuit;
Electrical protection	IP65
Emergency stop button	+
Sockets	- 32A, 230 V 2P+E x 1 pc. - 16A, 230 V 2P+E x 1 pc. - 16A, 230 V 2P+E (Schuko) x 2 pcs. CEE type, protection class – IP67; equipped with an automatic fuse that meets at least the standards of IEC/EN 60947-2, IEC / EN 60898-1; made of green plastic corresponding to NATO GREEN color RAL 6031; painted sockets are not used; sockets are built in 45° ± 3° towards the horizon;
Connection for incoming power supply	The place of connection of electricity through the CEE type (IP67) plug with the cover. The connection point is intended to provide power to

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	the self-consumer equipment (heaters, battery chargers, etc.)
Included options and Documentation	
Set of standard tools	+
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)
Factory test report	+
Other	
Delivery	On request
Training	On request
Warranty	24 months from delivery (but not more than 1000 operating hours)
Maintenance	On request

Options	
1	Set of easily removable strong rubber two wheels (diameter 30 cm);
2	Adapter-cable(s) with CEE type sockets (16A, 230V AC, Schuko) - 3 pcs., with CEE type plug (32A, 230V AC, 2P + E) and 10 m long flexible rubber cable H07RN-F (3 x 4 mm ²) acc. to EN 50525-2-21;
3	Set of filters for maintenance during warranty period (for 500 or 1000 operating hours);



ANNO 1949

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

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