

TECHNICAL SPECIFICATION FOR MOBILE 50,100 and 200 kW ELECTRIC GENERATORS WITH TRAILER



**Images are of indicative nature*

Lot Nr.	Lot V. (50 kWe)	Lot II. (100 kWe)	Lot III. (200 kWe)
Generating set model	E63FMAST-N	E125FMAST-N	E250D2MST-N
Manufacturer	SIA "RĪGAS DĪZELIS DG" (Latvia)		
Execution	In canopy, on trailer		
Prime Power (PRP)	50 kW (62,5kVA)	100 kW (125kVA)	200 kW (250kVA)
Standby Power (ESP)	55 kW(68,7 kVA)	110 kW(137,5 kVA)	220 kW(275 kVA)
Frequency	50 Hz		
Voltage	3 phase, 400/230 V		
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	G3	G3
Emission class	Stage IIIA	Stage IIIA	Stage IIIA
Operating environment	-30°C to +40°C		
Approx. dimensions (including trailer)	4700 x 2005 x 2300(H) mm	5200 x 2005 x 2500(H) mm	5985 x 2005 x 2870(H) mm
Approx. weight (filled with all liquids & including trailer)	~2600 kg	~3200 kg	~4500 kg
Engine	NE45TE1P.S550 FTP-IVECO (Italy)	NEF67TE1PV.S550 FTP-IVECO (Italy)	TCD2013L06 4V DEUTZ (Germany)
Number of cylinders	L-4	L-6	L-6
Speed	1500 RPM		
Cooling system	Radiator type		
Special fuel type engine liquid preheater	+ (Webasto)		
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		
Fuel consumption at 100% load	15 l/h	28 l/h	53,5 l/h
Fuel consumption at 75% load	11,5 l/h	22 l/h	40 l/h
Alternator	ECP32-2M4C	ECP34-1M4C	ECO38-2M/4C
	Mecc Alte (Italy), or EU Top brend analog		
Execution	Single bearing, self-excited, brushless, with AVR		
Protectionclass	IP23		
Insulation class	H		
Control panel	Based on microprocessor controller (with indication for voltage, curren, active energy used in kWe/h, running hours, and others)		
Genset/engine protection	Low oil presure, high coolant temperature, overspeed, termal overload, with waring signals and automatic switch-of		
Panel protection class	IP65		
AMF & ATS function	+		
Automatic load switching from grid to genset and vice versa (ARI)	+		
Emergency stop button	+		
Canopy	Weather proof, "SILENT" type, with lockable service doors		
Noise level	69 dBA at 7 m		
Color	NATO green matt, RAL 6003		
Built in frame fuel tank capacity (enough for 12 h operation at 75% load)	150 L	280 L	600 L
Sockets	2 pcs. x 230, 16 A, schuko; 1 pc. x 400 V for the power cable plug; Socket protection class – IP67		
Pockets in frame for lifting by forklift	+		
Lifting loops on canopy roof and frame	+		
Trailer	Two-axle, heavy duty high speed trailer, suitable for off-road and motorway use		
Coupling mechanism	Height-adjustable		
Towing eye	Ø76 mm (acc. STANAG 4101)		
Brakes (in accordance to actual requirements for trailers in Lithuania)	Mechanical	Mechanical	Pneumatic
Parking brakes	+		
Support adjustable castor, lowering support legs	+		
Wheels	With winter tires		
Connection to the vehicle	12-pins plug (in accordance with STANAG 4135)		
Clearance	At least 28 cm		
Color	NATO green matt, RAL 6003		
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	Possible rregistration of Trailer with generating set as one-piece vehicle (not only separate trailer)		
Options included in the scope of supply			
Power cable (25 m)	H07RN-F 4G16	H07RN-F 4G50	H07RN-F 4G120

Equipment for connecting external batteries for generating set starting	VDA 72593 or equivalent socket; 2-pole, 24 V, 4 m cable, 2x35 mm ² , with VDA 72593 or equivalent plugs
Grounding equipment set with 15 m copper cable	+
Set of tools for maintenance	+
Documentation	
Operational manual for complete generating set	+ in English language
Spare parts catalogs	+ (in English language)
Package of design documentation (drawings, diagrams, etc.)	+ (in English language)
CE certificate of conformity	+
Factory test report	+
Other	
Warranty	24 months from delivery (but not more than 2000 operating hours)
Maintenance	Maintenance in accordance with operation manual's instructions



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