



DIESEL GENERATOR

Passport



Official representative and Accredited Service
Partner of EKVIVES in Georgia

Manufacturer and its location	Ekvives LLC, 8 Hnata Khotkevycha Str., Kyiv, Ukraine
Type, model	Stationary diesel generator EKV-DS-25E3/SSB-A
Year of manufacture	2024
Application	Backup power supply

The diesel generator was found to be suitable for operation in accordance with the technical specifications.

Date of sale:

The seal and signature of the person responsible for the shipment:

Completeness:

Stationary diesel generator	1 pc
Passport	1 pc

Periodic maintenance of your generator must be carried out at the recommended intervals (see Regular Maintenance Regulations, page 13-14). To do so, contact EKVIVES or an EKVIVES-authorized facility for a periodic maintenance contract.

General information

Features	Units of measurement	Nominal	Maximum
Power	kVA/kW / kWA/kW	23/18,4	25/20
RPM	rpm	1500	
Voltage	VV	400/230	
Frequency	Hz/HZ	50	
Power factor	Cos φ	0,8	

Dimensions and weight of a diesel generator

	Length mm	Width mm	Height mm	Weight, kg	Fuel tank, l
Open type	-	-	-	-	-
Closed type	1750	850	1180	770	120

(see Fig. 1, 2) The fuel tank must be filled to at least 20% for proper operation of the generator!

Technical characteristics of the engine

Engine manufacturer	Baudouin
Model	4MO6G25/5
Power n/m	25/23 kW
Engine type	Four-cylinder in-line engine
Injection Type	turbocharged
Number of cylinders	4
Engine capacity, cubic centimetres	2300
Cooling System	water-cooled
Coolant capacity, l	16
Oil capacity, l	11,5

The power reserve is important because a load of 80% of the generator's rated capacity is desirable for optimal performance.

Fuel consumption

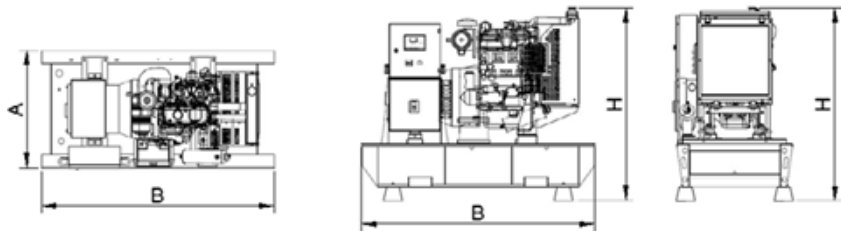
	50%	75%	100%
Fuel Consumption, l/h	3,2	4,5	6,1

Technical characteristics of the alternator

Voltage, V	220/380
Excitation System	Brushless, self-excited, constant voltage
ATS (automatic activation of the reserve)	SX460
Number of phases	3
Number of poles/bearings	4/*
Connection type	star
Insulation class	H
Winding	2/3
Efficiency, %	86
Protection Class	IP23
Overload	1 hour at 110% load
Accuracy of voltage control	+/- 1%

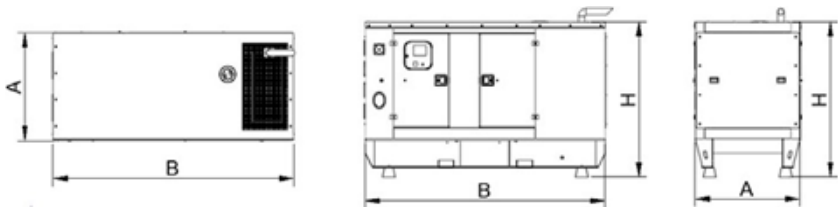
Open type

Fig. 1



In the casing

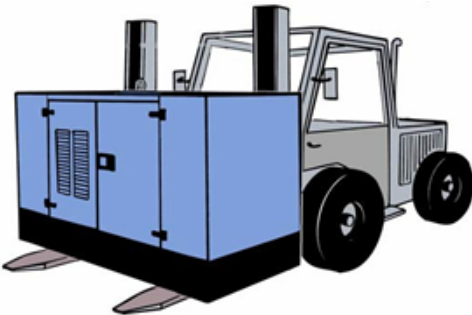
Fig. 2



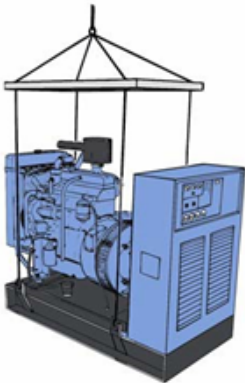
Slinging a diesel generator

Fig. 3

a forklift truck



with crosshead



Packaging certificate

The generators are packaged in accordance with the design specifications and installed in accordance with applicable regulations.

Small parts, a set of spare parts and operating documentation are packed in polymeric bags according to DSTU 7275 and transported together with the plant.

Other types of packaging that do not compromise the integrity of the complete unit are possible upon agreement with the customer.

Information on preservation

- Clean off any dirt or dust that adheres to the exterior of the generator.
- Remove the battery and fully charge it before storing it.
- To prevent battery drain, it is best to charge the battery monthly.
- Maintain and repair broken or damaged parts to keep the generator running normally was launched.
- Refer to the operating instructions to troubleshoot the motor.

Storage

- If you do not place the generator in the correct position, it can fall or collapse, that will lead to an accident.

Keep this in mind when placing other things on the machine.

- Make sure that the motor cover is not damaged, the screw is tight, and all parts are present.
- The generating set should be placed on a flat, solid surface that can support their weight.

Information on disposal

The maximum permissible concentration (MPC) of harmful substances, methods and frequency of their monitoring in the air of the work area comply with the requirements of GOST 12.1.005 and methods approved by health authorities.

Monitoring the content of harmful substances in the air of the work area should be carried out in accordance with the schedule.

At the end of the generator's service life and if necessary, dispose of it at a licensed equipment recycling center.

Ekvives LLC
8 Hnata Khotkevycha St., Kyiv, 02094,
office 199
Tel./fax: +38 044 237 19 29

Signature and seal of the Service Partner:

Service Engineer: _____ / _____
(FULL NAME) (Signature)

Head of a service organization: _____ / _____
(FULL NAME) (Signature)

M.P.

Signature and seal of the Service Partner:

Service Engineer: _____ / _____
(FULL NAME) (Signature)

Head of a service organization: _____ / _____
(FULL NAME) (Signature)

MP.

Signature and seal of the Service Partner:

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Note on putting the equipment into
operation

Date of introduction _____

Service organization _____

Address of the organization _____

We were instructed on the rules of operation and safety.

Signature and seal of the representative of the service organization:

(FULL NAME) / (Signature)

M.P.

Technical support:

e-mail: ekvives@ekvives.com
www.ekvives.com

Warranty card №

Terms of warranty service

1. The consumer's claims for warranty repairs that comply with the law may be made during the warranty period. The warranty period of the Equipment is 12 months or 500 hours from the date of commissioning (whichever comes first), provided that the generator is operated within the range of its operating characteristics and timely maintenance is performed.
2. To confirm the fact of purchase of the equipment in case of warranty repair or other statutory requirements, you must have a fully completed warranty card and a document confirming its purchase in the absence of a warranty card.
3. The maintenance notes are added to the maintenance log, with the corresponding photo fixation (operating hours). Photographic records are sent to the Manufacturer by e-mail: ekvives@ekvives.com.
4. Maintenance shall be performed in accordance with the Regulations. Maintenance shall be performed by the Manufacturer, EKVIVES LLC, or an accredited Service Partner (the Service Partner shall be provided with a power of attorney from the Manufacturer for equipment maintenance).
5. The warranty obligations shall be fulfilled by the Manufacturer or an accredited Service Partner by repairing or replacing the equipment subject to a complaint free of charge. The Service Partner reserves the right to decide whether it is appropriate to replace or repair the equipment. Equipment (parts, assemblies) replaced under warranty shall remain with the Service Partner.
6. The warranty period is extended by the time the product is under repair.
7. The warranty period for repaired and/or replaced components and/or assemblies is calculated from the date of delivery of the goods to the consumer after repair.
8. The warranty card shall contain a note on the completed repair with the date of completion of the repair and the signature of the Manufacturer's representative or an accredited Service Partner.
9. Equipment with violations in the design of the warranty card (unfilled columns, no seal of the organization) is not accepted for warranty service.
10. Warranty obligations do not apply to equipment that has been damaged as a result:
 - incorrect electrical, hydraulic, mechanical connections;
 - use of the equipment for other purposes or in accordance with the installation and operating instructions;
 - operation of equipment with deviations from normal parameters caused by improper selection of equipment;
 - transportation and storage that do not comply with the rules specified on the packaging and in the installation and operating instructions;
 - external mechanical influences;
 - non-compliance of the power supply with the relevant State technical standards and the standards and characteristics specified on the nameplate and in the installation and operating instructions;
 - absence or incorrectly configured or selected automation and protection devices, control panels;

Terms of warranty service

- flooding, fire, lightning, power surges and other force majeure circumstances;
- defects in the systems with which the equipment was operated;
- repairs made by a person who is not a certified representative of the Manufacturer;
- connection without ATS, if available;
- when operating equipment outside the operating range of the characteristics;
- through the fault of the consumer;

¹⁻ 1. Warranty obligations do not apply to natural operational wear and tear of components and components of the equipment, as well as replacement of used oil or grease.

12. Ekvives LLC shall not be liable for any costs associated with the installation and dismantling of the warranty equipment, as well as for damage caused to other equipment owned by the buyer as a result of malfunctions (or defects) that occurred during the warranty period, if such malfunction (or defect) was not caused by Ekvives LLC.

13. Diagnostics of equipment performed in the event that claims to the equipment's performance are unfounded and there are no structural faults is a paid service and is paid for by the client.

14. ELECTRONIC SYSTEMS INSTALLED ON THE EQUIPMENT MONITOR THE PROCEDURE AND PARAMETERS OF THE DEVICE.

Procedure for submitting a warranty claim/replacement

In order to accept a warranty service/advertising application, the client must provide:

1. Photo/video of the equipment with a nameplate (information plate) - which clearly shows the equipment and information about the equipment: name, model, serial number, manufacturer, technical characteristics.
2. Photo of the general view of the equipment in the working environment.
3. Photo/scan of the equipment passport with the date of shipment and service marks, photo/scan of the service book (if available).
4. Photos of electrical and mechanical connections, along with protection devices.
5. Photo/scan of the invoice.
6. Comments on the operation of the equipment.

The procedure for drawing up a Complaint Act

The consumer shall draw up the Complaint Report only jointly with the manufacturer's representative or, if the manufacturer fails to appear within the agreed timeframe, with a representative of a disinterested organization. The report must be signed by all persons involved in its preparation. A person who disagrees with the contents of the act must sign it with a reservation of his or her disagreement and state his or her opinion. If the manufacturer and the consumer disagree about the nature of the defects found and the cause of their occurrence, the parties shall invite an expert from the Bureau of Commodity Expertise, a representative of the relevant quality inspection or other competent organization to determine the quality of the product.

The Act states:

- place and time of drawing up the Act;
- the names and positions of the persons who drafted the Act;
- address of the consumer (recipient) of the equipment;
- brand, serial number and date of receipt;
- operating time in hours from the date of delivery and the date of the last repair (if any);
- a detailed description of the defects found, indicating the circumstances under which they were detected.

In the case of previously performed repairs, an audit card with a list of the work performed is provided along with the Act.

Acts drawn up by the manufacturer without observing the above conditions are not considered.

I have read and agree to the terms of the warranty service:

(FULL NAME)

/

(Signature)

Warranty card №

Warranty card №

The organization that sold the goods and its address: _____

Date of sale: _____

The seal of the organization and the seller's signature: _____

Warranty repair 1

Replaced part of Art.№ by catalog

Title:

Service report: №

from

Date of issue:

The client's signature:

Remarks:

Warranty repair 2

Replaced part of Art.№ by catalog

Title:

Service report: №

from

Date of issue:

The client's signature:

Remarks:

Warranty repair 3

Replaced part of Art.№ by catalog

Title:

Service report: №

from

Date of issue:

The client's signature:

Remarks:

Regular maintenance schedule

Types and frequency of maintenance. The following types of maintenance are provided for the power unit:

After the first 50 hours of work:

- Change oil and oil filters
- Check belt tensioner and wear
- Draining condensate from the fuel separator filter
- Check the condition of the mounting and electrical connections
- Checking the holes of the power generator
- Maintenance of rechargeable batteries
- Checking the connections of the exhaust system
- Check the control devices and indicators on the control panel
- Checking the turbocharged impeller

The cost of routine maintenance:

ATTENTION! The cost of maintenance work is indicated without taking into account the cost of a specialist's visit to the facility.

Every 250 hours or 6 months (whichever comes first):

- Change oil and oil filters
- Replacing fuel filters
- Checking the opening temperature of the thermostat
- Check belt tensioner and wear
- Check and adjust thermal clearances of valves and nozzles
- Checking the crankcase ventilation pipe
- Check the air intake system connections and connections
- Draining condensate from the fuel filter of the separator
- Check the condition of the mounting and electrical connections
- Checking the holes of the power generator
- Maintenance of rechargeable batteries
- Checking the connections of the exhaust system
- Check the control devices and indicators on the control panel
- Checking the turbocharged impeller

The cost of routine maintenance:

ATTENTION! The cost of maintenance work is indicated without taking into account the cost of a specialist's visit to the facility.

Every 500 hours or 12 months (whichever comes first):

- Changing the oil and oil filters
- Replacing fuel filters
- Replacing the air filter
- Checking the antifreeze concentration
- Check belt tensioner and wear
- Draining condensate from the fuel filter of the separator
- Check the condition of the mounting and electrical connections
- Checking the holes of the power generator
- Maintenance of rechargeable batteries
- Checking the connections of the exhaust system
- Check the control devices and indicators on the control panel
- Checking the turbocharged impeller

The cost of routine maintenance:

ATTENTION! The cost of maintenance work is indicated without taking into account the cost of a

Regular maintenance schedule

Every 1000 hours or 24 months (whichever comes first):

- Changing the oil and oil filters
- Replacing fuel filters
- Replacing the air filter
- Checking the antifreeze concentration
- Changing the antifreeze, flushing and pressurizing the cooling system
- Check belt tensioner and wear
- Checking the crankcase ventilation pipe
- Check the intake air system connections and connections
- Diagnosing the engine's electronic control system
- Draining condensate from the fuel filter of the separator
- Check the condition of the mounting and electrical connections
- Checking the holes of the power generator
- Checking the insulation resistance of power generator windings
- Maintenance of rechargeable batteries
- Checking the connections of the exhaust system
- Check the control devices and indicators on the control panel
- Checking the turbocharged impeller

The cost of routine maintenance:

ATTENTION! The cost of maintenance work is indicated without taking into account the cost of a specialist's visit to the facility.

Every 5000 hours or 36 months (whichever comes first):

- Changing the oil and oil filters
- Replacing fuel filters
- Replacing the air filter
- Changing the antifreeze, flushing and pressurizing the cooling system
- Checking the opening temperature of the thermostat
- Check belt tensioner and wear
- Checking the crankcase ventilation pipe
- Cleaning the intermediate air cooler
- Check the air intake system connections and connections
- Diagnosing the engine's electronic control system
- Draining condensate from the fuel separator filter
- Inspection of the turbocharger
- Inspection of the charging generator
- Check the condition of the mounting and electrical connections
- Checking the holes of the power generator
- Checking the insulation resistance of power generator windings
- Tire pulling on a power generator
- Maintenance of rechargeable batteries
- Checking the connections of the exhaust system
- Check the control devices and indicators on the control panel
- Checking the turbocharged impeller

The cost of routine maintenance:

ATTENTION!!! The cost of maintenance work is indicated without taking into account the cost of visiting specialists at the facility.

INFORMATION ON THE APPOINTMENT OF AN EMPLOYEE RESPONSIBLE FOR THE TECHNICAL CONDITION OF THE DIESEL GENERATOR

[illegible]

Operating instructions for stationary diesel generators:





For notes

For notes



Manufacturer:

Ekvives LLC

Ukraine, Boryspil, 23 Volodymyr Malyk Str.

@ ekvives@ekvives.com

Representative office address:

Georgia, Batumi, 2 Egnate Ninoshvili street
tel. +995557554646

