



# HOW CAN WE TOGETHER DEFEAT THE COVID-19?



## GAZ Special Offer for a Ministry of Health

valid until 01 of June 2020



# HOW IS YOUR COUNTRY READY TO FIGHT THE COVID-19?



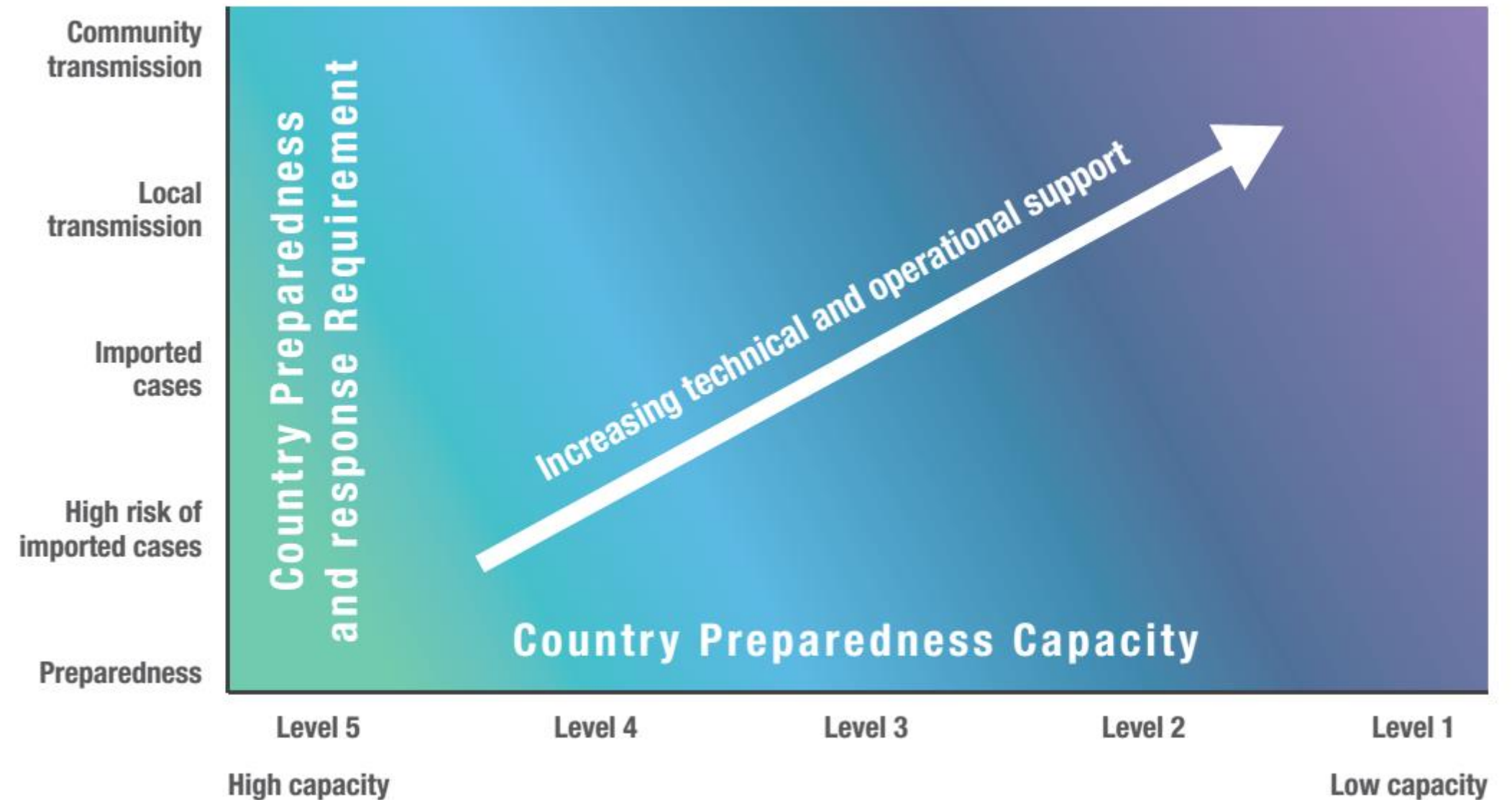
**All countries are at risk and need to prepare for and respond to COVID-19.**

The lower the level of readiness and the higher level of danger, the more resources and finances are needed to be employed



**How the Local Medical Organizations get ready to meet and fight with COVID-19?**

1. Staff...
2. Medicines and equipment...
- 3. Transport...**
- 4....





# GAZ VEHICLES ALREADY FIGHTING COVID-19 ACROSS THE WORLD



**Italy**



**Africa**



**Philippines**



**Russia**



# GAZ GROUP TRANSPORT SOLUTIONS FOR MEDICAL ORGANIZATIONS



**50 years of experience** in the production of ambulances for medical institutions in Russia and foreign countries. The annual output is 5 000 units of ambulances. All vehicles are adapted to customers requirements.

| TYPE               | Emergency ambulance   | Emergency ambulance 4x4  | Patient transport ambulance  | Mobile laboratory  | Disinfection vehicle  |
|--------------------|---|--|--|--|---|
| Application        | <br>Medical procedures by a healthcare team, providing emergency care | <br>Medical procedures by a healthcare team, providing emergency care | <br>Patient transport services, emergency care station and evacuation of casualties | <br>Laboratory for diagnostic of population | <br>Vehicle with disinfection unit |
| Base vehicle       | GAZelle Next  | GAZelle Business   | GAZelle Business   | 33081 Sadko  | 33081 Sadko/33086   |
| Axle configuration | 4x2   | 4x4  | 4x4  | 4x4  | 4x4   |



Technical details of vehicles see at pages 8-26.





## CONTACT RESPONSIBLE GAZ TEAM



Mr. Sergey Kazarov  
Sales Director  
In Africa and Middle  
East  
[Kazarovsi@gaz.ru](mailto:Kazarovsi@gaz.ru)  
Mob. +79100587333



Mr. Ilya Koryukin  
Project Leader for  
Medical vehicles in  
African countries  
[Koryukinia@gaz.ru](mailto:Koryukinia@gaz.ru)  
Mob. +79877563206

# 7 STEPS PLAN

## HOW TO IMMEDIATELY GET **NEW MODERN GAZ AMBULANCES** FOR YOUR COUNTRY

1. Look at your current fleet of ambulances.
2. Find out the quantity of new ambulances you need.
3. Get idea of your key technical requirements for chassis and medical equipment
4. Contact with GAZ-International LLC via the e-mail [export@gaz.ru](mailto:export@gaz.ru) or call GAZ responsible team.
5. Get the **Special Price Offer** from GAZ and clarify all the details with GAZ team.
6. Sign the Contracts for supply of Ambulances, Spare parts and Technical support.
7. Get your GAZ Ambulances quickly and fight COVID-19 effectively.

# WHO WE ARE? GAZ GROUP AT GLANCE IN 2020

**#1 in Manufacturing and Sales**  
of commercial vehicles in Russia (>50% of the market)

**10** plants in **6** regions of Russia

Over **35 000** highly qualified employees

**90 years of experience** in engineering vehicles

## Light Commercial Vehicle Division



GAZ Plant

## BUS Division

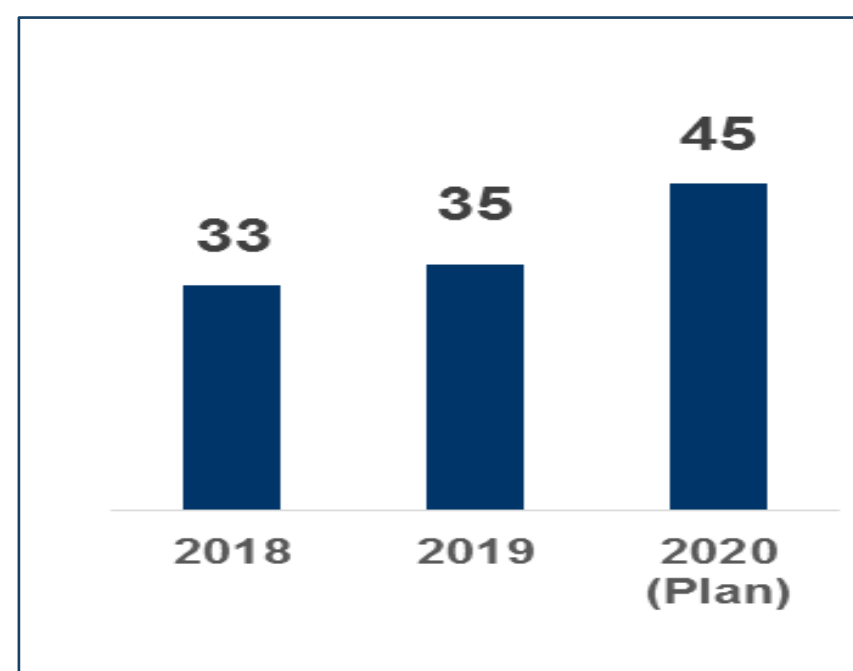


LiAZ Plant

KAVZ Plant

PAZ Plant

## Number of export countries



## PowerTrain Division



YaMZ Plant

## Autocomponent Division



All GAZ Group plants

Headquarter – **Nizhny Novgorod**



# GAZ GROUP MODEL RANGE SPECIAL-PURPOSE VEHICLES



## LIGHT COMMERCIAL VEHICLES



Isotherms



Goods van



Bread van



Euro-platform



Tire fitting



Mobile shop



Motorhome



Mobile coffee shop



Ambulance car



First aid car



Emergency car



Mobile office



School bus



Police car



Autohydraulic hoist



Car repair shop



Dumper



Tow truck



Crane car



Fuel dispenser



Food tank

## MEDIUM-DUTY TRUCKS



Van up to 45 m<sup>3</sup>



Mobile shop



Vacuum car



Euro-platform



Bread van



Beehive transportation



Container carrier



Dust-car



Dust-car



Hybrid road vehicle



Toilet cubicles



Dum truck



Fuel dispenser



Tow truck



Maintenance crew bus



Mobile shop



Police truck



Crane truck



Bunker carrier



Fire emergency truck



Hydraulic hoist truck

**Over 300 modifications of special vehicles for  
Customers from all industries**





**MODEL 1.**

**GAZelle NEXT Ambulance**

**4x2**



# 1. GAZELLE NEXT AMBULANCE

## 1.1. DESCRIPTION OF CHASSIS GAZELLE NEXT 4X2

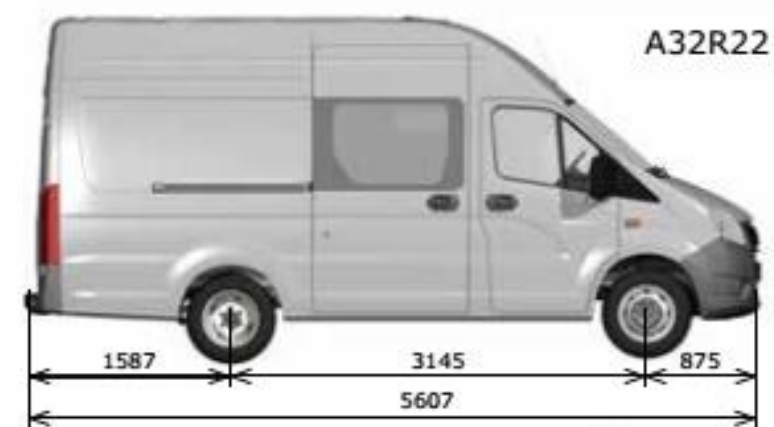
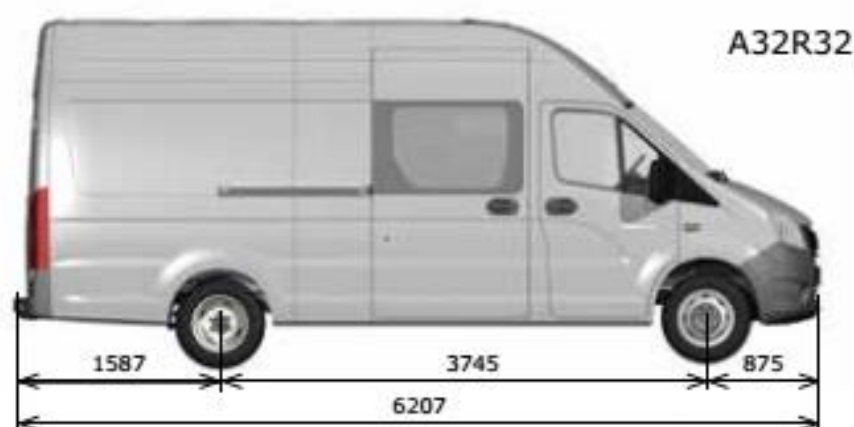


|   |                                       |      |
|---|---------------------------------------|------|
| Type of based vehicle   | Full metal van                        |      |
| Vehicle full weight, kg   | 3500                                  |      |
| Maximum driving speed with full load, km/hour.                                | 130                                   |      |
| Minimum vehicle turning radius along the axis of front external wheel mark, m | 5,7/6,5                               |      |
| Dimensions, mm (length x width x height), without side and rear steps         | 5607/6207 x 2513 x 2950               |      |
| Wheel base, mm  | 3145                                  | 3745 |
| Road clearance, mm  | 170                                   |      |
| Overhang angles (under load)  |                                       |      |
| Front, degrees  | 22                                    |      |
| Rear, degrees   | 13                                    |      |
| Maximum uphill gradient using the main fuel type under full load, %           | 26                                    |      |
| Fuel consumption rate at speed  |                                       |      |
| 60 km/h., l/100 km  | 8,0                                   |      |
| 80 km/h., l/100 km  | 10,6                                  |      |
| <b>Engine</b>   |                                       |      |
| Model   | ISF2,8 E4                             |      |
| Type  | Diesel, four-tact, with turbo-charger |      |
| Quantity of cylinders and volume, l   | 4 cylinders, 2,781 l                  |      |



**Long**

**Short**





# 1. GAZELLE NEXT AMBULANCES

## 1.1. DESCRIPTION OF CHASSIS GAZELLE NEXT 4X2



|  |   |
|--|---|
| Nominal power, kW (h.p.) at rotation frequency 3400 min <sup>-1</sup>        | 110 (149,6)   |
| Maximum torque, Nm (kgf·m) at rotation frequency 1800-2600 min <sup>-1</sup> | 330 (33,6)  |
| Fuel   | Diesel fuel   |
| Fuel tank, l   | 79  |
| Clutch   | Single, dry plate, hydraulic  |
| Gear box   | Mechanic, 5-speed   |
| Shaft drive  | Two shafts with three universal joints and intermediate bearing   |
| Rear axle final drive  | Hypoid, gear ratio – 4,3  |
| Differential   | Bevel, gear   |
| Wheels   | Plate, with sealed tire, 5½, Jx16H2   |
| Tires  | Pneumatic, radial, tubeless, 185/75R16C   |
| Front suspension   | Independent, transversal swinging arm with coil spring and stabilizer bar                                   |
| Rear suspension  | Two longitudinal, semi-elliptical leaf-springs with auxiliary leaf-springs and stabilizer bar or without it |
| Steering   | Integrated (with steering booster), rack-and-pinion   |
| Brakes   | With ABS  |
| Front  | Disk  |
| Rear   | Drum  |





# 1. GAZELLE NEXT 4X2 AMBULANCE

## 1.2. MEDICAL COMPARTMENT OF GAZELLE NEXT AMBULANCE (1 PATIENT)



### Body, medical compartment

- Color of body – white, other colors - as option.
- Color graphic of medical vehicles marking according to customer demands
- Thermal insulation and vibration insulation of the ceiling, doors and walls of the medical salon.
- Body reinforcement for fixing devices and equipment (left side above the table top).
- Trim the sides and ceiling of the medical salon with a material that has a smooth surface, does not absorb odors, is resistant to the effects of drugs and detergent disinfectants.
- Moisture-resistant, antistatic, non-slip flooring with waterproofing of all joints, resistant to washing and disinfecting agents.
- Partition wall between cabin and medical compartment with matted window / sliding door between medical compartment and drivers cabin as option.
- Glazing rear swing doors.
- Glazing of the right side sliding door with a window leaf.
- Matting 2/3 of the height of the glass doors of the cabin.
- Handrail at the entrance at the side sliding door (powder coating).
- Handrail ceiling along the receiving device with a bracket for the infusion system.
- Side step.
- Rear step.



### Heating and ventilation

- Ventilated emergency hatch (glass) in front of the cabin.
- Filter-ventilation unit (intake-exhaust device).
- Additional heater.
- Air-conditioner of roof type.





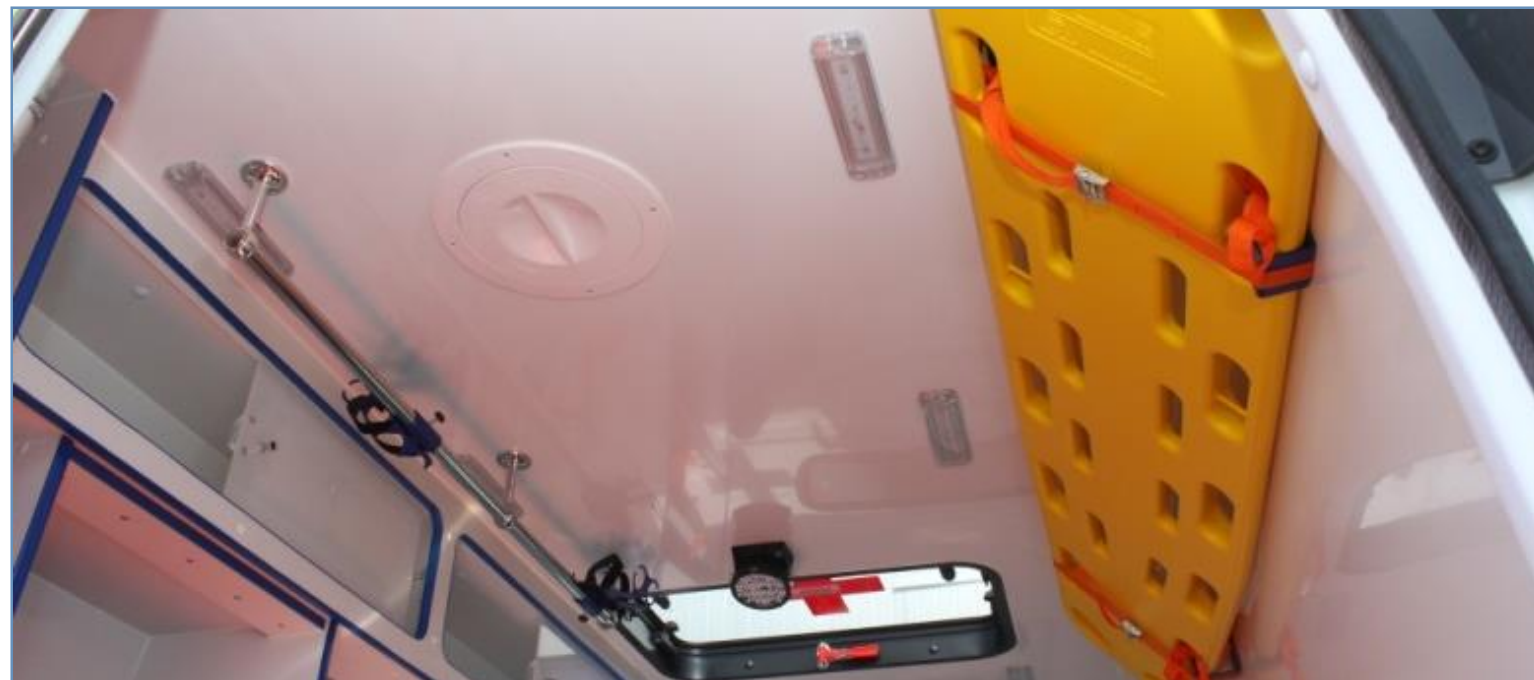
# 1. GAZELLE NEXT 4X2 AMBULANCES

## 1.2. MEDICAL COMPARTMENT OF GAZELLE NEXT AMBULANCE (1 PATIENT)



### Lighting facilities

- LED Light-acoustic beam with speech transmission system and control panel in the cabin.
- Flashing rear beacon (LED), 2 pcs.



### Internal lighting and electrical equipment

- General interior lighting: ceiling lights, 6 pcs.
- The extra lamp of a directional light over a stretcher.
- Lighting above the table top.
- The lamp above the right side door.
- The lamp above the rear hinged doors.
- Additional battery 55Ah.
- Electrical socket 12 V the left side for supplying medical equipment, 4 pcs.
- Electrical socket 220 V the left side for supplying medical equipment, 4 pcs.
- Voltage converter 12/220 V, 600 W.
- Left board front input electrical socket 220v, 50hz, with protection against short circuit and staff protection against electric shock.
- Power supply cable external network 220 V, 15 meters.
- Automatic charging system for car batteries from external mains 220 V, 50 Hz.
- Control panel of electrical equipment in medical compartment.

### Oxygen supply system

- Medical gas pipeline under the medical compartment trim.
- Oxygen sockets DIN with quick connection – 2 pc.





# 1. GAZELLE NEXT 4X2 AMBULANCES

## 1.2. MEDICAL COMPARTMENT GAZELLE NEXT AMBULANCE (1 PATIENT)



### Seats

- Cabin: driver's seat, passenger's doubled seat or single seat if the partition has sliding door.
- Folding seat on the right side with the ability to install additional stretcher, with seat belt.
- Rotated seat at the head of a stretcher with a seat belt and folding armrests.
- Bench on the right side of the compartment (with a retainer for installing additional stretchers).

### Medical furniture, cabinets

- Open type cabinets for medical equipment in the front and rear of the medical compartment on the left side.
- Mezzanine with sliding doors on the left side.
- Box with lock in the mezzanine.
- Table top on the left side.

### Additional equipment

- Manual receiving device for medical stretchers – 1 pc.
- Medical trolley-stretcher – 1 pc.
- Fire extinguisher 2l in the driver's cabin.
- Fire extinguisher 2l in the medical compartment.
- Information plates in English language.
- Refuse box.



# NOTE

The medical equipment, presented on the photos are being installed in according with requirements of Russian Ministry of Health. Possibility of installation of medical equipment, that is using in Your country or preparation of medical compartment for installation of medical equipment by the Customer has to be discussed additionally.





**MODEL 2.**

**GAZelle BUSINESS Ambulance**

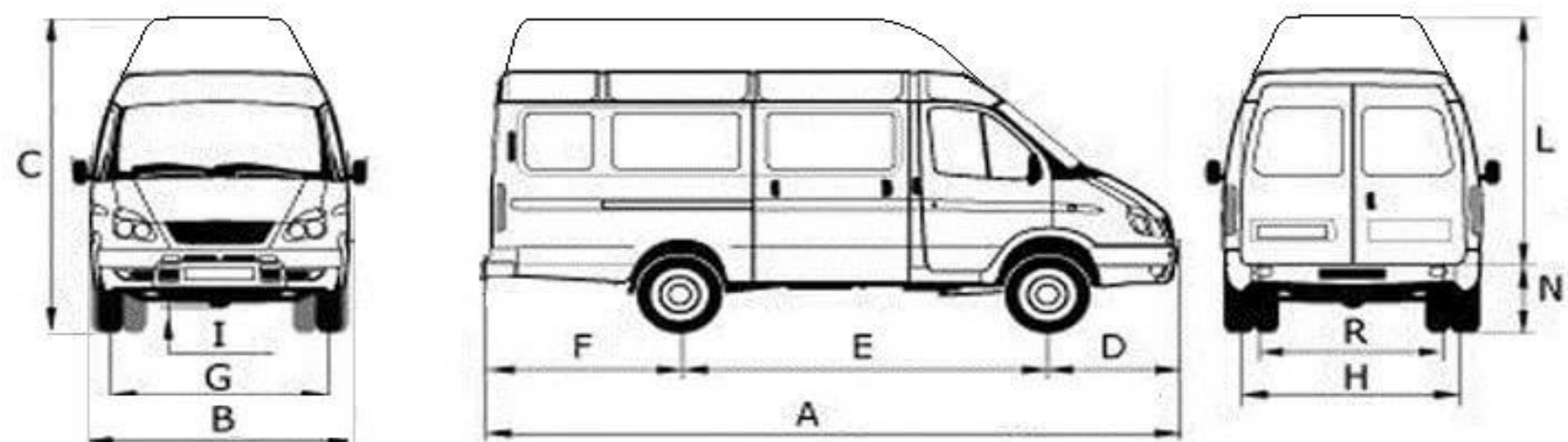
**4x4**



## 2. GAZELLE BUSINESS 4X4 AMBULANCE

### 2.1. DESCRIPTION OF CHASSIS 27057 GAZELLE BUSINESS 4X4

|   |   |
|---|---|
| Type of based vehicle   | 4x4 full-metal minibus                                      |
| Vehicle curb weight, kg   | 2100  |
| Vehicle full weight, kg   | Up to 3600  |
| Maximum driving speed with full load, km/hour.                                | 115   |
| Minimum vehicle turning radius along the axis of front external wheel mark, m | 7,5   |
| Dimensions, mm (Length x width x height), without side and rear steps         | 5475 x 2075 x 2950  |
| Wheel base, mm  | 2900  |
| Front gage, mm  | 1720  |
| Rear gage between middles of coupled slopes, mm                               | 1560  |
| Road clearance, mm  | 190   |
| Fuel consumption rate at speed  |   |
| 60 km/h., l/100 km  | 9,8   |
| 80 km/h., l/100 km  | 12,0  |
| <b>Engine</b>   |   |
| Model   | ISF 2,8 E-3   |
| Type  | Diesel, four-tact, with turbo-charger and charge air cooler |
| Quantity of cylinders and volume, l   | 4 cylinders, 2,781 l  |





## 2. GAZELLE BUSINESS 4X4 AMBULANCE

### 2.1. DESCRIPTION OF CHASSIS 27057 GAZELLE BUSINESS 4X4



|   |  |
|---|--|
| Nominal power, kW (h.p.) at rotation frequency 3200 min <sup>-1</sup>         | 88,3 (120)   |
| Maximum torque, Nm (kgf·m) at rotation frequency 1600..2700 min <sup>-1</sup> | 297 (30,3)   |
| Fuel  | Diesel fuel  |
| <b>Transmission</b>   |  |
| Clutch  | Single-disc, dry, with hydraulic drive                               |
| Gear box  | Mechanical, five-speed, synchronized, manual                         |
| <b>Distribution gearbox</b>   | Type: mechanical, two-stage, with part-time connecting front axle    |
| Ratio of number of teeth:   |  |
| - lowest gear   | 1,86   |
| - highest gear  | 1,07   |
| Cardan gear   | Three cardan shafts with CV-joints                                   |
| Axles:  |  |
| - main gear   | hypoid, $i= 4,556$   |
| - differential  | conic, geared, rear gear with electric-mechanical blocking function. |
| Frame   | Stamped, riveted with channel side-members and tube cross-members    |
| Suspension  | Conventional, two half-elliptic springs                              |
| Steering mechanism (type)   | Integral, with screw-ball nut-rod sector, with booster               |
| Braking mechanisms:   | Front – discs, rear – drum, with ABS                                 |





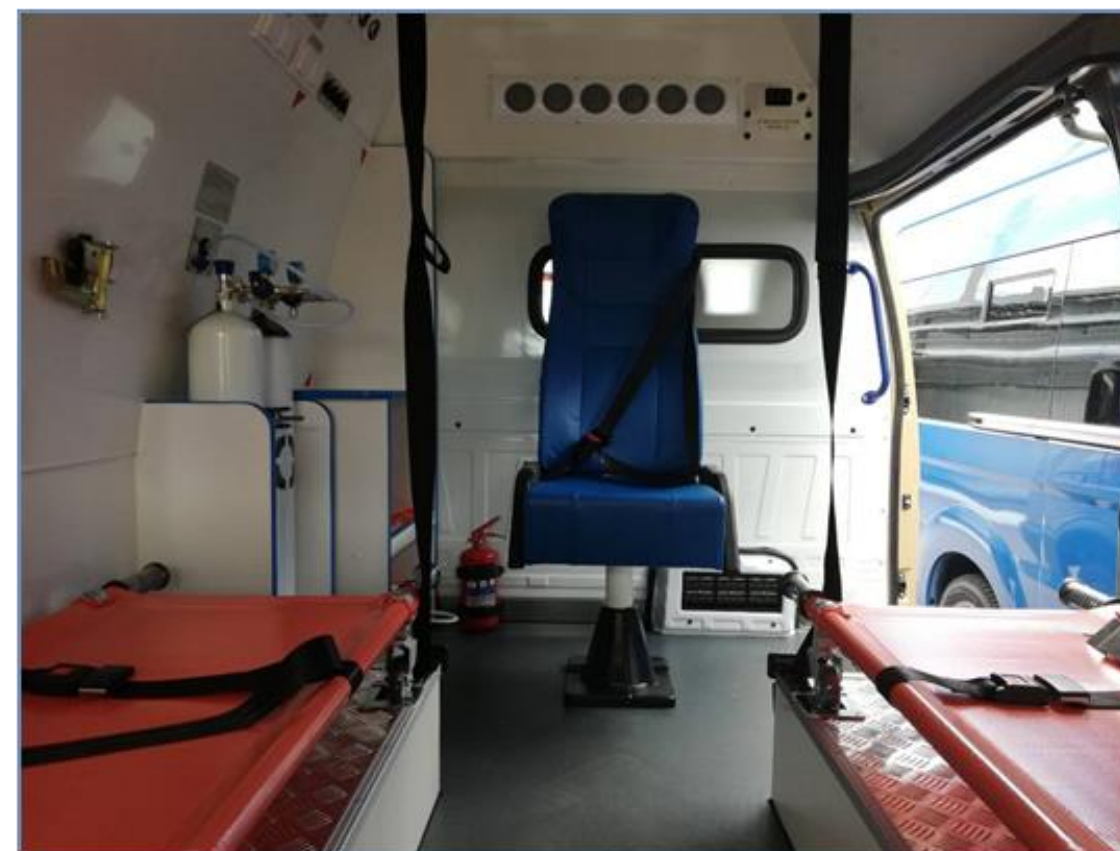
## 2. GAZELLE BUSINESS 4X4 AMBULANCE

### 2.2. MEDICAL COMPARTMENT FOR TRANSPORTATION OF 4 PATIENTS



#### Body, medical compartment

- Color of the vehicle body - white.
- Sliding side door.
- Medical compartment sizes, mm (L x W x H): 3000 x 1780x up to 1840.
- High fiberglass roof on the metal frame.
- Thermo-noise isolation and vibroisolation of roof, doors and walls of medical compartment.
- Trimming of medical compartment side panels and roof with aluminum white composite materials having smooth surface, odor-nonabsorbent, resistant to influence of medical products and detergent sanitizers.
- Place for chair-stretcher mounting (rear left door)
- Waterproof, antistatic, antislip floor covering with waterproof of all seams, resistant to influence of detergent sanitizers. the base is made of a waterproof plywood.
- Seam waterproof.
- Partition wall between cabin and medical compartment with matted window.
- Sliding and rear wing doors glazing.
- Matting of 2/3 height of medical compartment sliding and rear wing doors glass.
- Handrail in the sliding door opening.
- Side and rear footstep.



#### Heating and ventilation

- Ventilation-and-emergency hatch (glass) in the front part of the medical compartment.
- Dependent water heater of medical compartment.
- Air-condition of roof type.

#### Lighting facilities

- Signal-loudspeaking device (with speech translational system and control board).
- Rear light-signal repeaters - 2pc.



## 2. GAZELLE BUSINESS 4X4 AMBULANCE

### 2.2. MEDICAL COMPARTMENT FOR TRANSPORTATION OF 4 PATIENTS



#### Lighting and electrical equipment.

- General lighting of medical compartment: led strip - 2pc.
- External light above right side door.
- External light above rear wing doors.
- Additional battery, 55ah.
- Left board output electrical socket 12v for medical equipment feeding-4pc.
- Left board output electrical socket 220v for electrical equipment feeding-4pc.
- Voltage converter 12-220v 600 w.
- Left board front input electrical socket 220v, 50hz, with protection against short circuit and staff protection against electric shock.
- Control panel of electrical equipment in medical compartment.

#### Oxygen supply system.

- Oxygen sockets with quick connection – 4 pc.
- Oxygen balloons 10l – 2 pc.

#### Seats.

- Cabin: driver's seat, passenger's doubled seat.
- Rotary seat in front part of the stretcher with 3-point seat belt.
- Places for stretchers installation in medical compartment - 4pc.

#### Medical furniture, cabinets.

- Table in the front of the vehicle.
- Rack with a fitting for 2 bottles.
- Stretchers storage niche.

#### Additional equipment.

- Fire extinguishers: in the cabin – 1 pc. and in medical compartment – 1 pc.





## 2. GAZELLE BUSINESS 4X4 / 4X2 AMBULANCES

### 2.3. MEDICAL COMPARTMENT FOR TRANSPORTATION OF 1 PATIENT



#### Body, medical compartment

- Color of the vehicle body - white.
- Sliding side door.
- Medical compartment sizes, mm (L x W x H): 3000 x 1780x up to 1840.
- High fiberglass roof on the metal frame.
- Thermo-noise isolation and vibroisolation of roof, doors and walls of medical compartment.
- Trimming of medical compartment side panels and roof with aluminum white composite materials having smooth surface, odor-nonabsorbent, resistant to influence of medical products and detergent sanitizers.
- Waterproof, antistatic, antislip floor covering with waterproof of all seams, resistant to influence of detergent sanitizers. the base is made of a waterproof plywood.
- Seam waterproof.
- Partition wall between cabin and medical compartment with matted window.
- Sliding and rear wing doors glazing.
- Matting of 2/3 height of medical compartment sliding and rear wing doors glass.
- Handrail in the sliding door opening.
- Side and rear footstep.



#### Lighting facilities

- Signal-loudspeaking device (with speech translational system and control board).
- Rear light-signal repeaters - 2pc.

#### Heating and ventilation

- Ventilation-and-emergency hatch (glass) in the front part of the medical compartment.
- Filter-ventilation unit (supply-exhaust unit).
- Dependent water heater of medical compartment.
- Air-condition of roof type



## 2. GAZELLE BUSINESS 4X4 AMBULANCE

### 2.3. MEDICAL COMPARTMENT FOR TRANSPORTATION OF 1 PATIENT



#### Lighting and electrical equipment

- General lighting of medical compartment: led strip - 2pc.
- 4 spots with spot light above the stretcher.
- External light above right side door.
- External light above rear wing doors.
- Additional battery, 55ah.
- Left board output electrical socket 12v for medical equipment feeding-4pc.
- Left board output electrical socket 220v for electrical equipment feeding-4pc.
- Voltage converter 12-220v 600 w.
- Left board front input electrical socket 220v, 50hz, with protection against short circuit and staff protection against electric shock.
- Control panel of electrical equipment in medical compartment.

#### Oxygen supply system

- Oxygen sockets with quick connection – 2 pc.
- Oxygen balloons 10l – 2pc.



#### Medical furniture, cabinets

- Key-locked front cabinet with compartment.
- Rack with a fitting for 2 bottles.
- Underroof shelf with sliding transparent doors.
- Tabletop.

#### Additional equipment.

- Manual receiving device for medical stretchers – 1 pc.
- Fire extinguishers: in the cabin – 1 pc. and in medical compartment – 1 pc.

#### Seats

- Cabin: driver's seat, passenger's doubled seat.
- Rotary seat in front part of the stretcher with 3-point seat belt.
- Additional seat of medical compartment, with 3-point seat belt.



# NOTE

Possibility of installation of medical equipment, that is using in Your country or preparation of medical compartment for installation of medical equipment by the Customer has to be discussed additionally.





**MODEL 3.**

**Laboratory for diagnostic  
on the base of 33081 Sadko  
4x4**









### 3. LABORATORY FOR DIAGNOSTIC, 4X4

#### 3.1. DESCRIPTION OF CHASSIS 33081 SADKO 4X4



|  |  |
|--|--|
| Nominal power, h.p. at rotation frequency 2400 min <sup>-1</sup> | 117  |
| Maximum torque, Nm at rotation frequency 1300 min <sup>-1</sup>  | 423  |
| Fuel   | Diesel fuel  |
| Fuel tank, l   | 105  |
| Clutch   | Single, dry plate, hydraulic   |
| Gear box   | Mechanic, 5-speed, with synchronizers at 2,3,4,5 speed   |
| Transfer case  | Mechanical, two-stages, without center differential, with direct and lower gears.<br>Reduction Ratio - 1,982   |
| Final drive  | Hypoid, gear ratio – 5,5   |
| Wheels   | Disc with a rim 228G-457   |
| Tires  | Pneumatic radial, size 12.00R18  |
| Front suspension   | Two longitudinal, semi-elliptical leaf-springs   |
| Rear suspension  | Two longitudinal, semi-elliptical leaf-springs   |
| Steering   | Screw - Ball Nut with hydraulic booster  |
| Brake system   | Double-circuit, with a hydraulic drive and a hydraulic vacuum amplifier and a vacuum receiver in each circuit. |
| Front  | Drum   |



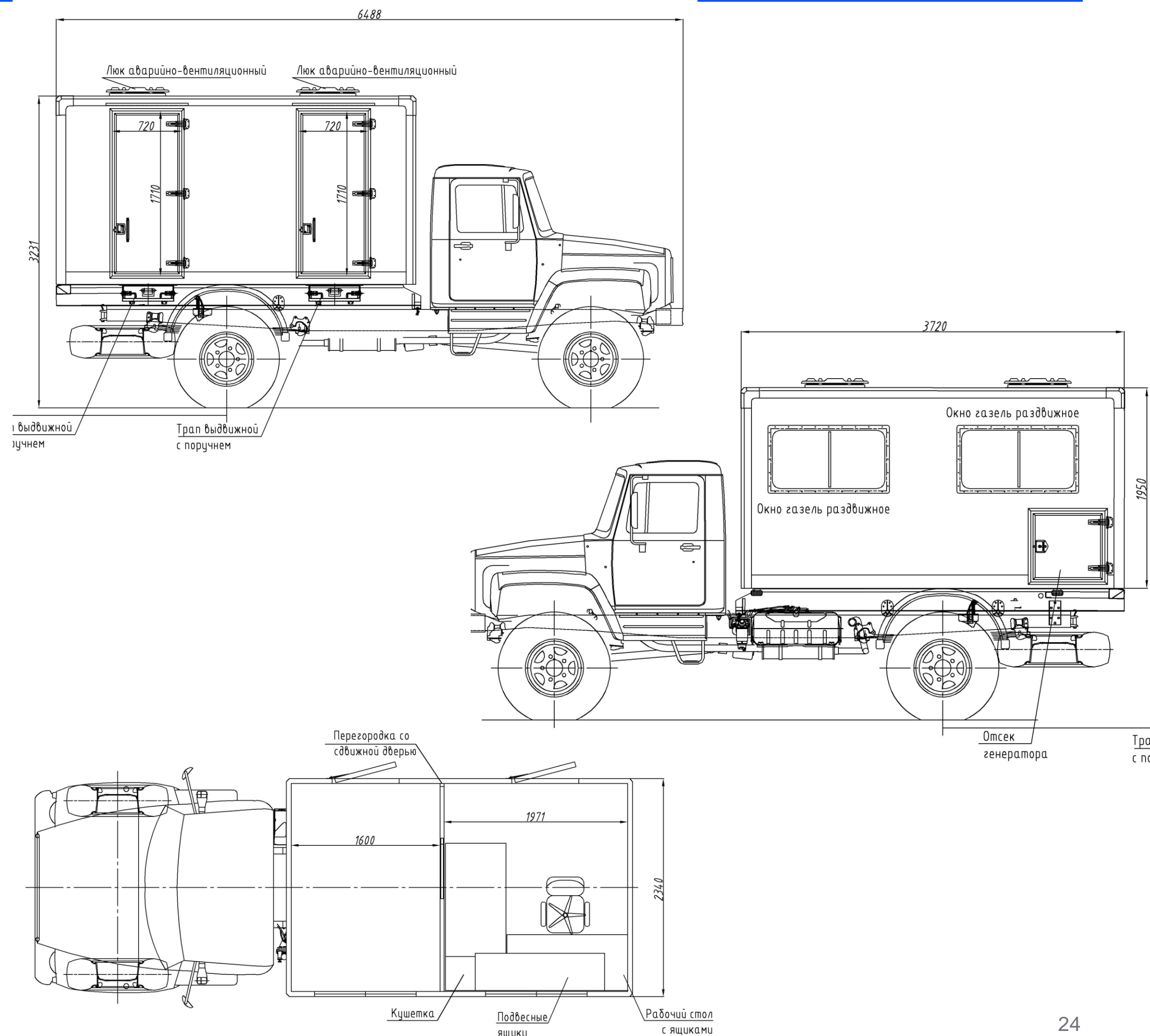


# 3. LABORATORY FOR DIAGNOSTIC, 4X4

## 3.2. MEDICAL COMPARTMENT



|   |   |
|---|---|
| Overall dimensions of the body (without subframe) | 3720x2340x1950  |
| The outer lining (lining) of the body             | On the sides, roof, front and rear walls (including doors) - fiberglass reinforced plastic white with UV filter. Thickness: 1.5 mm.   |
| Body inner lining                                 | Fiberglass reinforced plastic in white. Thickness - 1.5 mm.   |
| Floor covering                                    | Transport linoleum  |
| Doors   | Two side doors (1 in each compartment) single-wing hinged, 720 mm wide with an opening angle 90 ° with lock in open position with gas stop. Folding / retractable gangway under each door |
| Windows   | Swing windows with folding, 4 pcs. (2 windows on each side)   |
| Partition   | Between the compartment with sliding door   |
| Hatches   | Roof emergency ventilation hatches, 2 pcs. (1 pc. for each compartment).  |
| Generator compartment                             | Compartment with a hatch, on the port side, in the rear of the superstructure, with a generator on a draw-out element.  |
| Ventilation                                       | Windows, hatches and air conditioning system  |







## **MODEL 4.**

**Vehicle for disinfection**

**on the base of 33081 Sadko/33086**

**4x4**



# 4. DISINFECTION VEHICLE, 4X4

## 4.1. DESCRIPTION OF DISINFECTION UNIT



|                   |   |
|-------------------|---|
| Intention of unit | Used for disinfection of a variety facilities. With its help, both cold and hot solutions are processed.  |
| Description       | <p>A disinfection unit (DUK) is installed on the chassis of the vehicle.</p> <ol style="list-style-type: none"><li>1. The maximum tank capacity is up to 1600 l (the wall thickness is 4 mm, the bottom thickness is 6 mm).</li><li>2. Productivity 600 m<sup>2</sup> / hour.</li><li>3. The working pressure created in the tank, max, kg / sq.cm – 3.</li><li>4. Reception - distribution pipe.</li><li>5. Nominal discharge created in the tank, max, kg / sq.cm - (-0.5).</li><li>6. Tanks for disinfecting solutions - 4 pcs. 96 liters each (exterior color is orange).</li><li>7. Tanks for disinfectants are equipped with side racks and lower taps.</li><li>8. The control panel is removed from the driver's cab.</li><li>9. Monovacuum meter.</li><li>10. Thermometer.</li><li>11. The system of mixing the working fluid.</li><li>12. The heating solution of the working solution: flare heater, with an additional pump, the electronic control unit is installed in a protective box.</li></ol> |







## **GAZ Responsible Team ready to support you**



**Mr. Sergey Kazarov**  
**Sales Director**  
**In Africa and Middle**  
**East**  
**[Kazarovsi@gaz.ru](mailto:Kazarovsi@gaz.ru)**  
**Mob. +79100587333**



**Mr. Ilya Koryukin**  
**Project Leader for**  
**Medical vehicles in**  
**African countries**  
**[Koryukinia@gaz.ru](mailto:Koryukinia@gaz.ru)**  
**Mob. +79877563206**

**WWW.GAZGLOBAL.COM**