

MEDIUM DUTY TRUCKS
GAZon NEXT





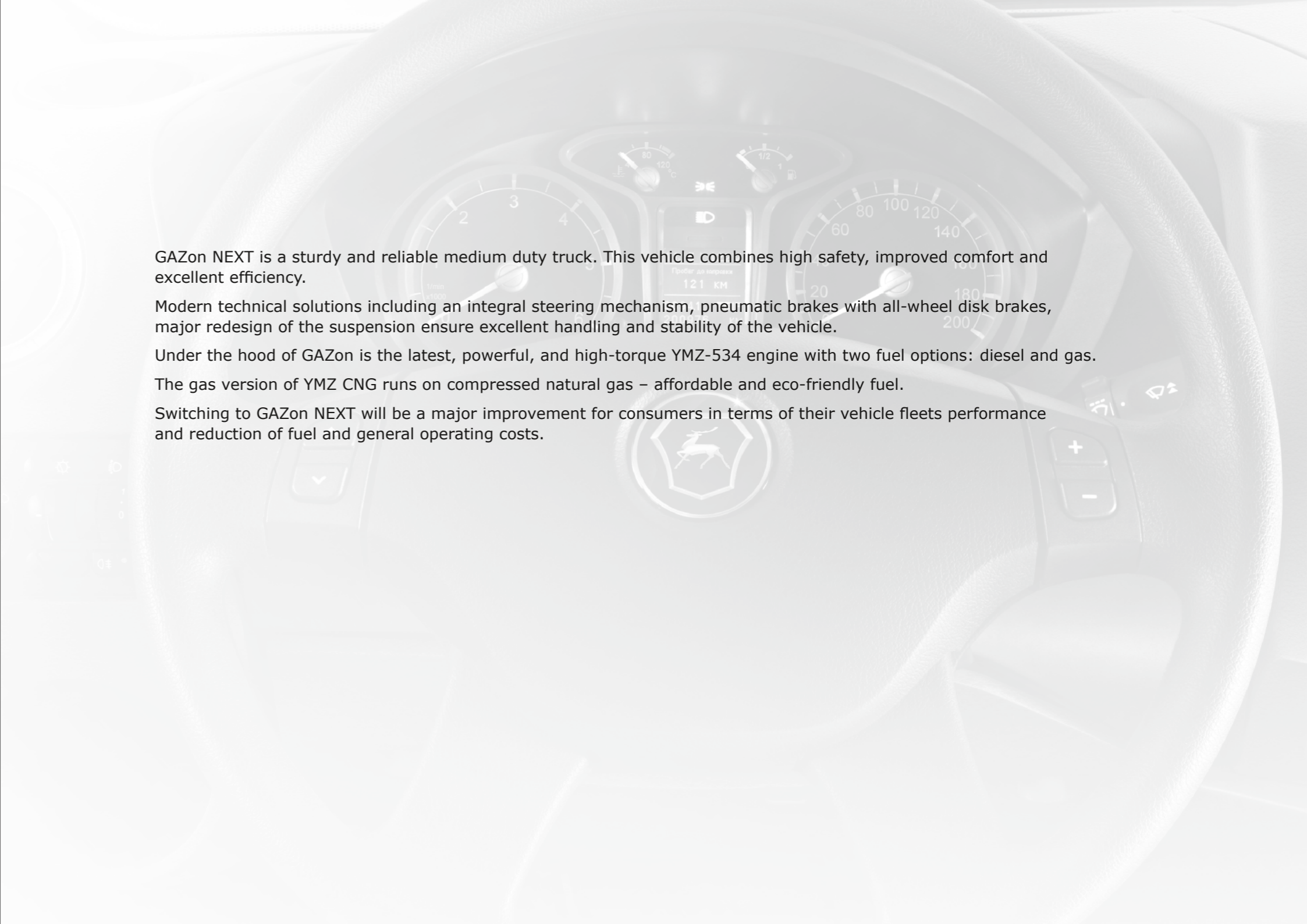
GAZon NEXT is a sturdy and reliable medium duty truck. This vehicle combines high safety, improved comfort and excellent efficiency.

Modern technical solutions including an integral steering mechanism, pneumatic brakes with all-wheel disk brakes, major redesign of the suspension ensure excellent handling and stability of the vehicle.

Under the hood of GAZon is the latest, powerful, and high-torque YMZ-534 engine with two fuel options: diesel and gas.

The gas version of YMZ CNG runs on compressed natural gas – affordable and eco-friendly fuel.

Switching to GAZon NEXT will be a major improvement for consumers in terms of their vehicle fleets performance and reduction of fuel and general operating costs.





GVW



8.7-10 t



Passenger capacity



3-7 persons



Capacity



6-17 europallets



Volume



up to 45 m³



Can serve a platform for



300 special purpose modifications



Rust-through corrosion warranty



8 years

SAFETY

Active and passive safety is a whole complex of technical decisions: strictly controlled body geometry, strong frame, ABS, ASR, EBD systems. Those are the factors that together contribute to a good, reliable and safe vehicle.

Vehicle blind zones are minimized:

- larger mirrors,
- hood is not in the area of sight,
- increased glass area of cab,
- extended windscreen wiper brushes with washer jets.

High-performance headlights:

- day running lights with 25% extended service life.

Braking system:

- an effective braking system with pneumatic drive, disk braking mechanisms of front and rear wheels, ABS, ASR, EBD systems.

Geometric passability parameters:

- angle of approach – up to 30°,
- angle of departure – up to 15°,
- road clearance – up to 253 mm,
- longitudinal passability radius – 3480 mm.

High level of passive safety:

- conventional cab – an extra meter of your safety,
- programmed cab crumple zones,
- 3-point seat belts.

Highest in class permitted speed of entering a turn (R=35 m) – 52.5 km/h:

- updated suspension with shock absorbers and steering mechanism ensure high controllability and maneuverability,
- low cab without an engine tunnel.

HIGH FUNCTIONALITY

GAZon NEXT bonnet layout has a number of advantages compared to cab-over-engine trucks:

- improved stability, low center of gravity;
- low air drag;
- reduced vibration load;
- easier entry/exit;
- no cab tipping mechanism;
- easy access to parts and units;
- and, most important, high level of passive safety.

A new front axle with increased load, upgraded suspension with reinforced shock absorbers, and a new rear axle with a reinforced gearbox guarantee high endurance and reliability of the vehicle.

up to **6.2 t**
chassis load capacity



Braking system

A pneumatic braking system intended for a 12-ton vehicle:

- high braking efficiency is ensured by ventilated disk brakes of front and rear wheels;
- brake pads service life is 200 000 kilometers;
- ABS, ASR and EBD braking systems preserve control of the vehicle in case of emergency braking;
- the braking system is highly reliable and provides a low brake pedal effort;
- the braking mechanism is highly efficient and very a short braking path.



High corrosion resistance

All parts of the GAZon NEXT cab subject to maximal effect of aggressive environment are fully zinc-plated or made of plastic. Advanced anti-corrosion materials are used at all production stages. All seams and joints are protected with anti-corrosive coatings and special sealants. Cathaphoretic treatment of hidden cab spaces and full treatment of the platform bed provide reliable protection.



STYLE

The vehicle appearance clearly shows both brand traditions and modern design solutions. With the calculated proportions, stern lines of the cab, lights, and wheel arches the image of the vehicle is powerful, charismatic, and stylish.



COMFORT

GAZon NEXT boasts such advantages as ergonomics and comfort, heating and ventilation systems, increased cab space, great visibility, and spring driver seat.

Broad door frame and low footstep ensure easy entrance and exit. The door is reliably retained in intermediate positions. The anatomic seat even in the basic version has armrests and a large variety of adjustments. Optionally equipped with a lumbar support and a heating system. A storage compartment is installed under the seat. In the two-row cab the second row of seats can be transformed into a sleeping berth if necessary. State-of-the-art technical solutions provide low noise in the cab; support fasteners and dampers in the front suspension module insulate the cab from vibration.



VARIABILITY

Great versatility and almost unlimited possibilities of application are a unique advantage of GAZon NEXT. The spectrum of options allows to adapt the vehicle for any business activity. For instance, vehicles with smaller wheel radius and lesser loading height are excellent for commercial urban transportation.





A general purpose GAZon NEXT with high clearance and shortened wheelbase suited for various superstructures can be used in almost any business field, in agriculture and by municipal services. Each modification can be equipped with two cab options: 3 or 7 seats.



SPECIAL PURPOSE VEHICLES

The vehicle's frame structure allows for easy mounting of various superstructures: over 300 unique modifications of special vehicles for almost any purpose are united by the best-in-class off-road capability, ease and efficiency of use.



300+



Refrigerator van



Isothermal van



Special guarded transport vehicle



Leisure accommodation vehicle



Baked goods van



Service workshop



Dump truck



Hook loader



Food truck



Fueler



Garbage truck



Tow truck with direct platform



Multipurpose road maintenance vehicle



Hydraulic man lift truck



Tow truck with sliding platform



For bottled gases



Road constructions vehicle



Fire fighting truck



Truck manipulator



Straddle loader



Street washer



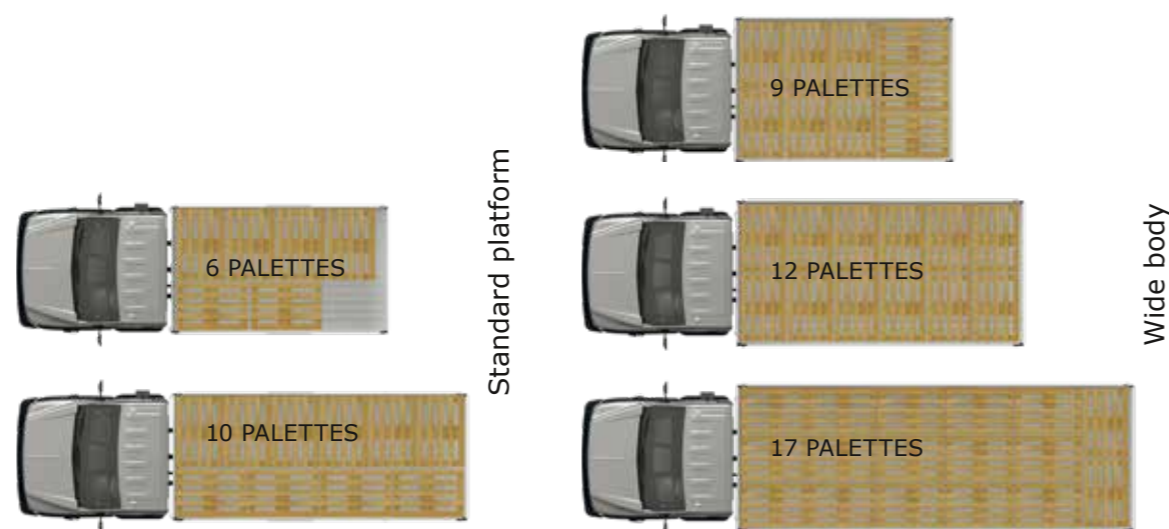
Tented dropside truck

DIMENSIONS AND BODY CAPACITY

With additional modification the cargo platform can accept up to 17 palettes, or 45 m³. High functionality, efficiency and maneuverability make GAZon an excellent replacement for heavier vehicles in applications where volume of the carried cargo is more important than its weight.

The flat body is manufactured from rolled steel stock and has a cataphoretic coating for high corrosion resistance and original appearance.

Three-way dropside cargo bed provides easy access to cargo and facilitates loading.



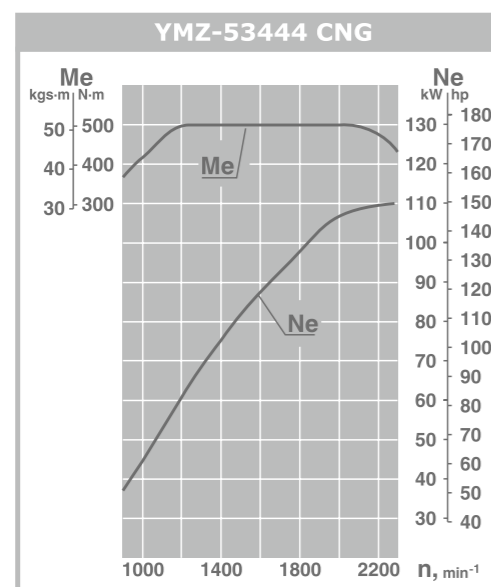
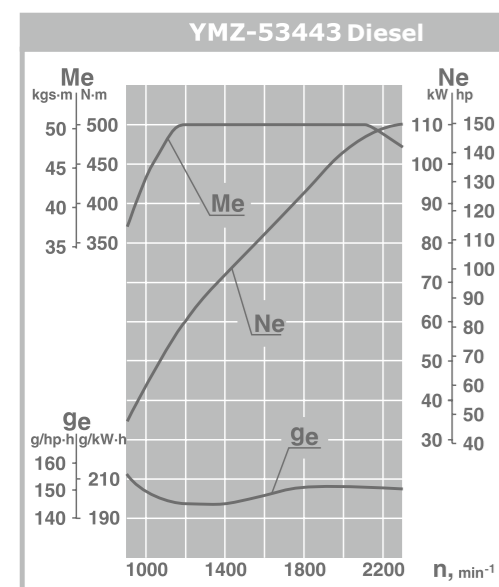
Air suspension remote control located in the cab allows the driver to visually control the lifting and lowering of the platform. Two-position memory function allows the vehicle to be quickly adapted to frequently used loading terminals.



ENGINE

YMZ-534

- Progressive design, conforming to state-of-the-art global trends.
- Engine operating life 700,000 km.
- Safe start at low temperatures.
- High traction and speed capabilities result in power output of 149 hp at peak torque of 490 Nm.
- The engine is capable of operating under the most extreme conditions without extreme stress.



Model, configuration	Engine type	Cylinder number	Power, kW (hp)	rpm	Max torque, Nm (kgf-m)	Speed at max torque, rpm	Engine lifetime, thousand km
YMZ-53443	Diesel	4, in-line	110 (149)	2300	490 (49.9)	1200-2100	700
YMZ-53444	CNG	4, in-line	110 (150)	2300	490 (50.3)	1200-2000	700

GAZon NEXT CNG

The natural gas version of GAZon NEXT combines comfort, safety, and functionality with high efficiency and eco-friendliness. The vehicle is equipped with state-of-the-art gas tank equipment; all components are certified to comply with the requirements of the UN Eurasian economical commission and ensure compliance with the maximum fire safety requirements.

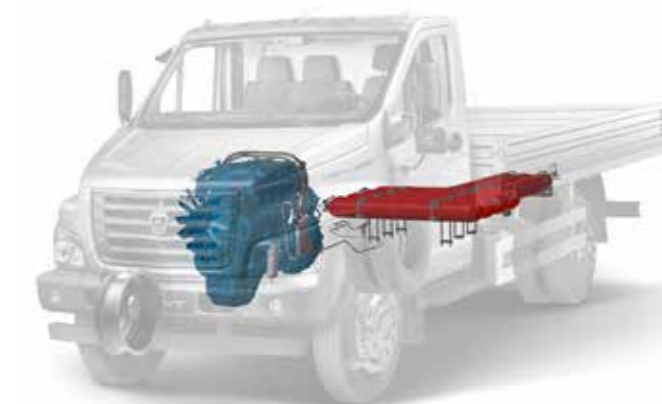
Compressed gas is the most economically efficient fuel used in commercial transport, its use is as much as 50% more cost-efficient compared to diesel fuel.

The GAZon NEXT CNG is powered by the new gas engine YMZ-534 CNG.

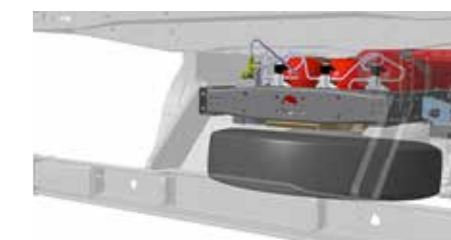
The monofuel gas systems GAZon NEXT use compressed methane (referred to as compressed natural gas, CNG). Methane is non-toxic and safe for human health. The gas is free from harmful impurities (lead, sulfur) that can cause damage to the engine and catalyst.

- Modern IV generation gas bottle equipment: distributed gas supply system with electronic control.
- All components are certified according to UN/ECE 110.
- Maximum compliance with all fire safety requirements is ensured in the vehicle.
- Gas filling volume: 72.8 m³.

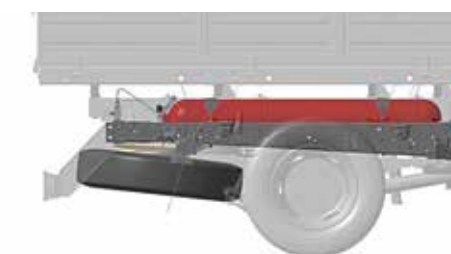
Seven gas bottles with total filling volume of 72.8 cubic meters are installed on the frame







Fueling device is of Russian type



Spare wheel fastening



TECHNICAL SPECIFICATIONS

GENERAL DATA	 VEHICLE WITH A SINGLE CAB, SHORT WHEEL BASE (all-purpose/city)	 VEHICLE WITH A SINGLE CAB, STANDARD BASE (all-purpose/city)	 VEHICLE WITH A DOUBLE CAB, STANDARD BASE (all-purpose/city)	 GAZon NEXT 10 t (C41RB3)
Number of seats	3	3	7	3
Drive system	4x2	4x2	4x2	4x2
Drive type	rear	rear	rear	rear
GVW, kg	8700	8700	8700	10000
Curb weight, kg				
with flat body, without canopy	3730/4205**	4130/4625**	4150/4625**	4395
with flat body and canopy	3930	4280	4250	4545
Load capacity, kg				
with flat body, without canopy	4970	4570	4550	5605
with flat body and canopy	4770	4420	4450	5455
Wheel base, mm	3770	4515	4515	5150
Wheel track:				
front, mm	1740	1740	1740	1980
rear (between twin tires centers), mm	1690	1690	1690	1690
Road clearance (under rear axle casing at gross weight), mm	253/187*	253/187*	253/187*	207
Minimum turning radius, m	7.3/6.8*	8.5/7.9*	8.5/7.9*	9.1
Fuel consumption				
60 km/h	14,3	14,3	14,3	15,3
80 km/h	19,3	19,3	19,3	21,3
Maximum speed, km/h	105	105	105	105
Overhang angles (under load)				
front, degrees	30	30	30	24
rear, degrees	18	12	18	14
Maximum gradeability, %	26	26	26	25
Loading height, mm	1300/1165*	1300/1165*	1300/1165*	935/1135

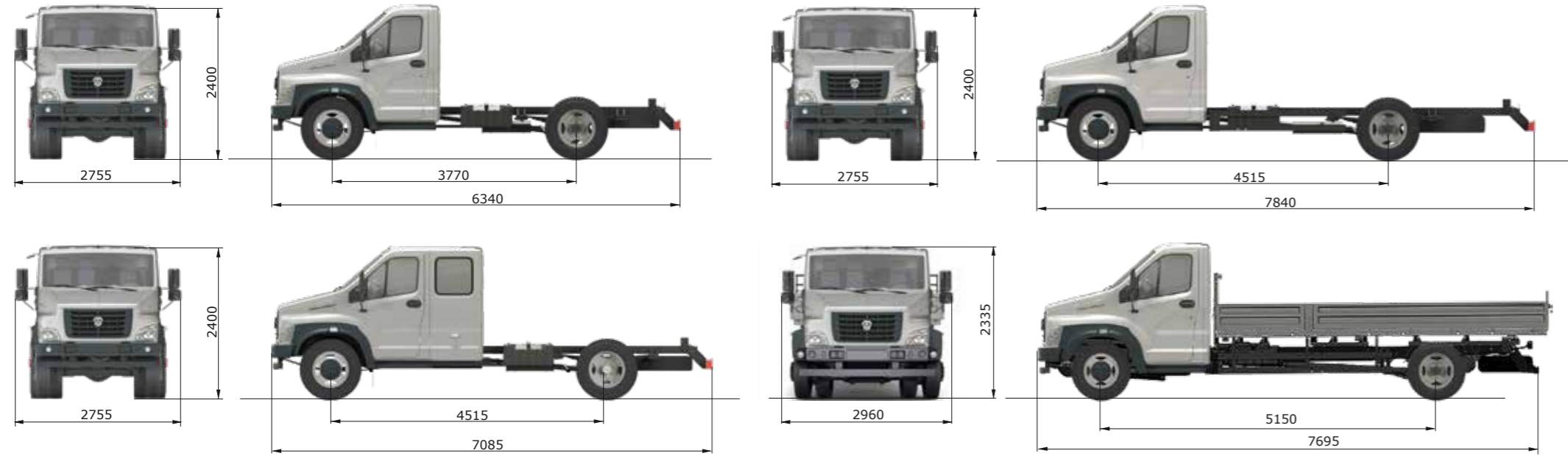
* for GAZon NEXT CITY

** for CNG vehicles

All technical characteristics are for information only; to verify the data please contact the official GAZ dealer in your region.



MODIFICATION OPTIONS AND DIMENSIONS



COLOR CHART



SILVER METALLIC / SILVER LIGHT

WHITE

GREY TITAN

RED CHILI

OPTIONS MATRIX

OPTIONS	VEHICLE WITH A SINGLE CAB, SHORT/STANDARD WHEEL BASE (C41R13/C41R16, C41R33/C41R36)	VEHICLE WITH A DOUBLE CAB, STANDARD BASE (C42R33/C42R36)
Spring-mounted driver seat, type Standard (with separate adjustment of seat cushion height and horizontal position and adjustment of backrest angle)	S	S
Driver seat armrests	S	S
Seat headrests	S	S
Audio preparation (aerial, wires, loudspeakers)	S	S
Cigarette lighter, ashtray	S	S
12V socket	S	S
Additional 12V socket in the cab rear	-	S
Internal lighting lamp (rear)	-	S
Cab filter	S	S
Radiator heater	S	S
Ceiling console	S	S
Heating and ventilation system	S	S
Ventilation hatch (material: silk-screened glass)	-	S
Front and rear suspension stabilizers	S	S
Spare wheel	S	S
Tool set	S	S
Brake pad wear indicator	S	S
Block headlights with daytime driving lights and inclination corrector	S	S
Preparation for tachograph installation (spot + wire)	S	S
ERA GLONASS device	S	S
Heated side mirrors	S	S
Power windows	S	S
Cruise control	S	S
Central lock	S	S
Open door warning	S	S
PACKAGE OF COMFORT OPTIONS (PRO/ PROC)		
Spring-mounted driver seat, type Lux	O	O
Audio head device 2DIN with steering wheel buttons, USB and navigation	O	O
Starting preheater-heater**	O	O
Auxiliary heater	-	O
OTHER OPTIONS		
Narrow board and small wheels 19.5*	O	O
Board with aluminum sides and plywood floor	O	O
Fire extinguisher	O	O
Tachograph	O	O
Set of door pockets (1 left + 1 right)	-	A
Rear door pocket	A	A

S – included in the basic version O – option A – accessory - - not installed



