

ALL-METAL VANS AND DROPSIDE TRUCKS  
**GAZelle NEXT**





## STATE-OF-THE-ART TECHNOLOGY

Today, GAZ Auto Plant is a high-tech highly automated company ranking among Europe's leading manufacturers of commercial vehicles. GAZ exports its products to more than 40 countries worldwide and relies on best international practices in R&D, production engineering, logistics and sales.

### ENGINEERING

End-to-end product engineering process including concept design, product planning, prototyping, simulation, testing, manufacturing engineering and certification

### PRODUCTION

- Advanced production facilities; welding, painting and assembly operations; production of automotive parts.
- Assembly operations in Turkey and Kazakhstan
- Cutting-edge production equipment supplied by leading international manufacturers; high-performance flexible production equipment
- Partnership with leading OEMs

## EVOLUTION OF THE NEXT FAMILY

The GAZelle NEXT drop-side truck that rolled off the assembly line in April 2013 became the first representative of the immensely successful new generation of GAZ light commercial vehicles.

The years that followed saw a dramatic expansion of this product line thanks to the addition of about a dozen of new models and more than two hundred of specialty modifications that include multipurpose and refrigerator vans, trucks, minibuses, food trucks, mobile repair shops, school buses, ambulance vans and mobile offices. Today, over 180 thousand of GAZ NEXT vehicles are in operation in Russia and abroad.

GAZelle NEXT vehicles are available in 2.49 to 4.6 ton GVW range while their standard undercarriage supports the installation of more than 300 different add-ons thus making them adaptable to any type of business.





# DROPSIDE VEHICLES

## MODEL RANGE



A22R22



A21R22



A22R32



A21R32



C42R92



C41R92



## DIMENSIONS. EURO-PALLETS ARRANGEMENT

The large and practical cargo bed is ideal for the transportation of any type of cargo. Models with a long cargo bed are large enough for six EUR-pallets while their cargo compartment may be as big as 25 m<sup>3</sup>.

All the three sideboards can be flipped down to provide easy access to the cargo and to facilitate the loading and off-loading operations.

The sideboards are 400 mm high and the height of the canvass canopy varies from 1800 to 2400 mm.

Pressure-rolled sideboards have no weld joints while cataphoretic priming prior to painting provides excellent protection against corrosion.



A21R32



A22R32



A21R22



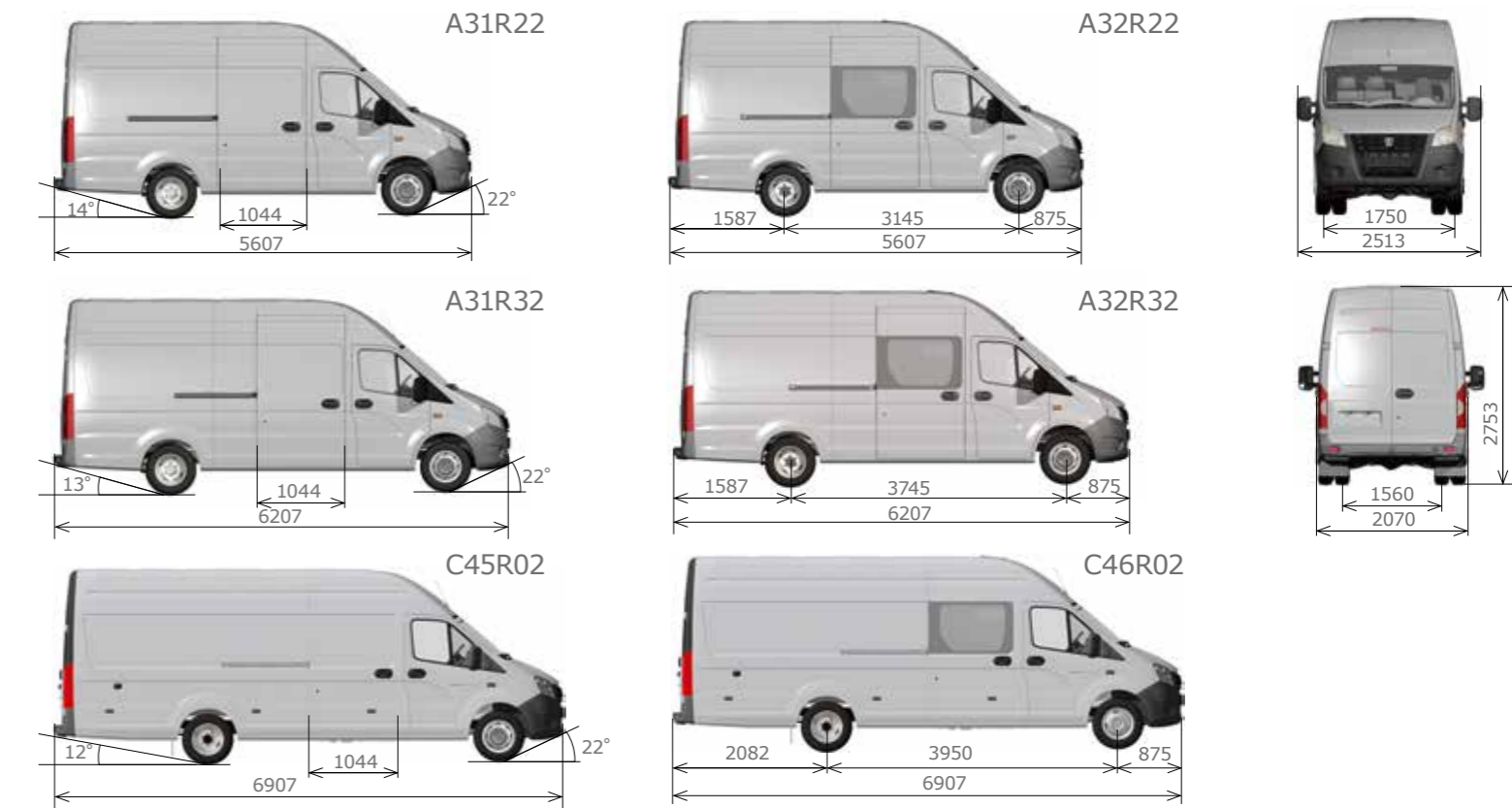
A22R22





# ALL-METAL VANS

## MODEL RANGE

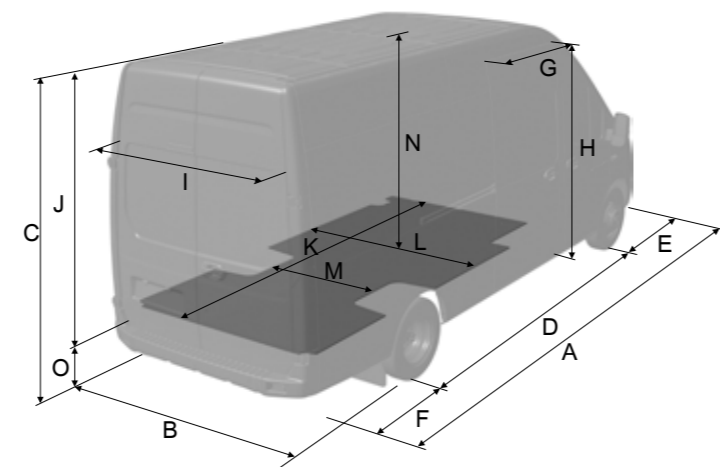


## DIMENSIONS. EURO-PALLETS ARRANGEMENT

GAZelle NEXT vans are available in a number of modifications depending on the wheelbase (medium, long or extra-long) and the cabin (single or double) making it possible for the customer to select a vehicle that is best suited for the job. The largest van has internal volume of 15.5 m<sup>3</sup>. Besides, the combi van can seat 6 persons apart from the driver while retaining an impressive cargo carrying capacity.



	H3L2		H3L3		H3L4	
	A31R22	A32R22	A31R32	A32R32	C45R02	C46R02
A Overall length	5607		6207		6907	
B Overall width	2068		2068		2068	
C Overall height	2753		2753		2775	
D Wheelbase	3145		3745		3950	
E Front overhang	875		875		875	
F Rear overhang	1587		1587		2082	
G Side door opening width	750	1044	750	1044	750	1044
H Side door opening height	1435		1435		1435	
I Rear door opening width	1830		1830		1830	
J Rear door opening height	2038		2038		2038	
K Maximum length of cargo compartment	2400	3031	3000	3631	3700	4331
L Maximum width of cargo compartment	1860		1860		1860	
M Distance between wheel arches	1009		1009		1009	
N Height of cargo compartment	1927		1927		1927	
O Loading height	730		730		765	





## VAN INTERIOR



Simple, reliable and easy-to-use rear door opening mechanisms. Two interior lamps in the cargo compartment. Full-size rear doors can be locked in the intermediate position at 90° or fully opened at 270° to simplify the handling of cargo in places where free space is limited.



The doors are automatically locked using magnetic locks when fully open (at 270°). High wall liner plates and 9 mm thick plywood floorboards available even in the most basic configuration provide effective protection against scratches and damage.



Ten lashing rings will ensure that your cargo is properly secured inside. Plastic rear bumper on a reinforced metal platform serves as a footstep (130 mm deep). A handrail on the right-hand side makes it easier to climb into the van. A door in the partition wall, when open, will make it possible to carry items up to 5.5 m long.

# SPECIAL PURPOSE VEHICLES



Multipurpose van



Dump truck with three-way unloading



Food tank truck



Bakery van



Mobile shop



Mail van



Tow truck with bent bed



Refrigerator van



Dump truck



Police van



Ambulance



Service workshop



## NOT A MINUTE TO WASTE

Commercial vehicles are not meant to stay idle. They are designed to remain reliable and operational even in the most challenging conditions. This is the target GAZelle NEXT vehicles fully live up to. Thanks to state-of-the-art engineering, use of components supplied by leading international part manufacturers, attention to every detail and uncompromising quality control these vehicles operate reliably and safely even in poor road conditions and in severe climate.

The NEXT line-up of commercial vehicles is broad enough to offer an optimal choice for any business application. Whatever you need to deliver GAZ vehicles will deliver.



### Reliability

GAZ NEXT vehicles' reliability has been amply demonstrated in the course of extensive bench and road tests. All the parts and systems have been proven to operate well in the controlled environment of the test range and on public roads. The vehicles involved in the test program travelled a total of more than 2.5 million kilometers.

### New front suspension

GAZ NEXT vehicles have a suspension system that uses a modular architecture consisting of a subframe, a suspension guide, a steering system and a stabilizer bar. All the parts meet the most stringent quality requirements. Double wishbone front suspension gives GAZ NEXT vehicles their unique driving smoothness and excellent road-holding ability.



### Upgraded rear axle

The new strong Spicer-type axle gives the vehicles an increased load-carrying capacity.



### Transmission

The upgraded transmission now delivers 330 N\*m torque. Thanks to heavy-duty SKF bearings, Hoerbiger synchronizers, Rubena and Simrit sealing rings and other features the GAZelle NEXT transmission has become noiseless, requires less shifting effort and can be used with high GVW models.

### Corrosion protection

The GAZelle NEXT body consists of 68 fully galvanized parts and 16 plastic parts providing excellent corrosion protection throughout the vehicle's service life. The reinforced e-coated frame allows the vehicle to be operated in poor road conditions and supports the installations of heavy add-ons.

Galvanized parts
  Plastic part



# ENGINES

GAZ is the only manufacturer that offers four types of engines: a modern diesel engine, new EVOTECH 3.0 gasoline engine and bi-fuel engines running on methane and propane.

## Diesel engine

This lightweight, compact and efficient engine combines outstanding power and torque with long service life, excellent performance and low fuel consumption. It is an ideal choice for vehicles expected to have heavy workload.

## Evotech gasoline engine

This 3.0l upgraded Euro-5 engine can run on gasoline and gas (CNG/LPG). Built using components supplied by leading global manufacturers it is known for its outstanding reliability.



**TDI 2,0 turbo  
Euro 5 or Euro 6 diesel engine**



**Euro 4 or Euro 5 diesel engine**



**Evotech 2.7 or 3.0 Euro 5 petrol engine or dual-fuel petrol/LPG or petrol/CNG**

# GAS-POWERED MODELS

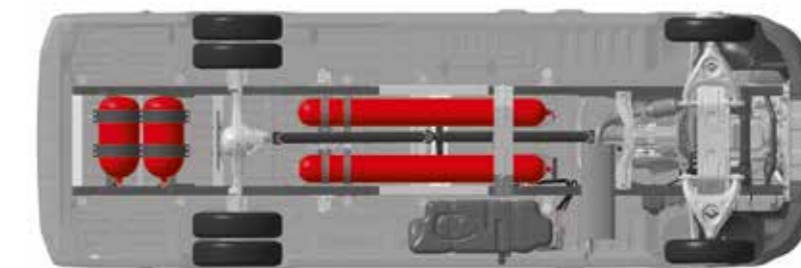
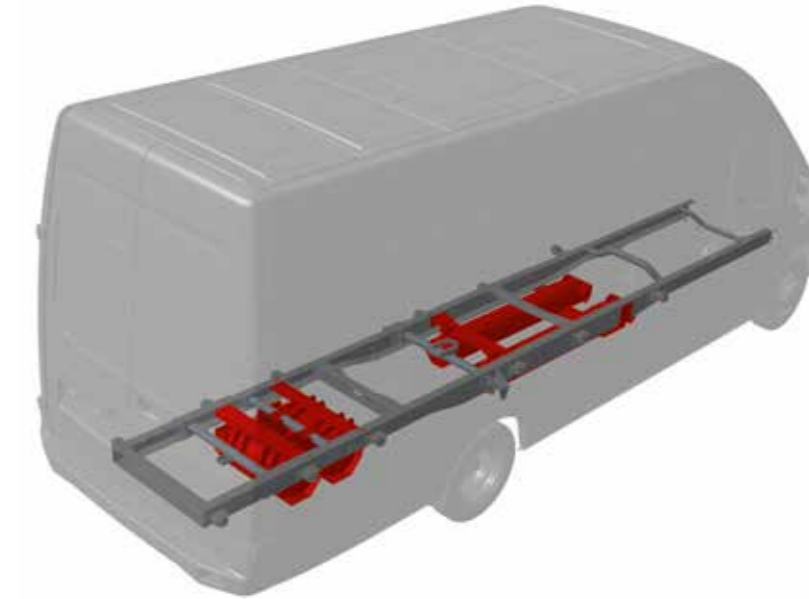
GAZelle NEXT is one of the few commercial vehicles that can be fitted with gas-powered engines directly on the assembly line. There are two types: those running on compressed natural gas (CNG) and on liquefied petroleum gas (LPG). Modern IV generation gas equipment has been certified as compliant with the UNECE regulations and meets all applicable international safety requirements.

## Reliable

Vehicles with factory-installed gas equipment are guaranteed full warranty coverage.

## Cost efficient

Natural gas is three times cheaper than conventional liquid fuel making it possible to save up to 200 thousand rubles a year on fuel alone.



## Eco-friendly

Natural gas burns almost completely and produces much less emissions than traditional liquid fuel and no soot at all. Exhaust gases contain no sulfur that is corrosive for the metal of the exhaust pipe.

## Top quality

Highly efficient equipment fully unlocks the potential of CNG as a motor fuel. Besides, methane is not affected even by extremely low temperatures.

## Safe

Methane is lighter than air so any leaking CNG does not sink and immediately evaporates. Besides, CNG is generally less toxic than traditional types of fuel.



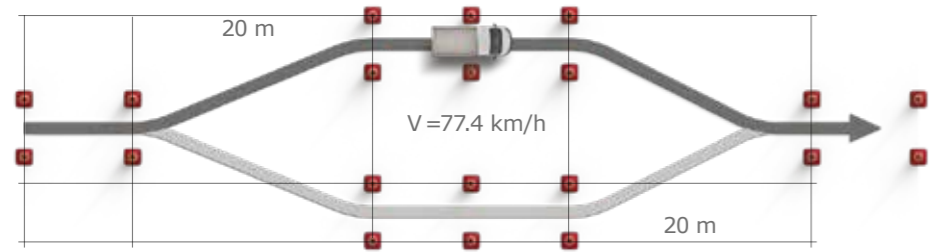
## SAFETY

Every journey is a potential encounter with the unexpected. The safety features of the GAZelle NEXT put all the worries to rest. The vehicle's advanced safety system provides outstanding protection for the driver and passengers.

Even emergency braking will not compromise the stability and steerability of the vehicle thanks to ABS brakes.

### Stability and control

The new GAZelle NEXT is as easy to drive as a passenger car. The improved front suspension and shock absorbers result in GAZelle NEXT's 8 to 10 percent better active protection making it safer in emergency situations. The suspension system has been tailored to provide maximum comfort and safety even when driving on poorly maintained roads.



### High level of passive safety

The increased rigidity of the car body together with programmed deformation zones embedded in the design of the power elements of the cabin ensure a high level of protection for the driver and passengers. Telescopic folding mechanism of the steering column provides additional protection. The vehicle can be equipped with driver's airbags.

### Active safety

GAZelle NEXT vehicles feature Bosch 9th generation ABS and a double-circuit braking system with large brake pads that have substantial redundant strength. Pushing the brake pedal does not require much effort. The improved safety belts with pre-tensioners are easy to use even when wearing bulky winter clothes. Other safety features include driver and passenger airbags.



### Test results

The GAZelle NEXT has successfully passed the reliability and endurance tests on different types of roads but apart from that its safety has been convincingly demonstrated by pendulum and front collision tests. With those test results, the GAZelle NEXT could easily meet the safety requirements to passenger cars.





## TRAVELLING WITH COMFORT

Feeling like home. That's how any driver must feel for whom driving is a way of earning a living and that's how everyone feels in the driver's seat of the new GAZelle NEXT. Excellent front view, high performance audio system, comfortable seats and a lot of niches and compartments for stowing things- everything has been designed to provide maximum comfort.

The vehicle has a 2DIN audio system that can be controlled from the steering wheel.





#### **Comfortable driver's seat**

The GAZelle NEXT is fitted with a heated adjustable driver's seat with lumbar support and an armrest. The hardness and the shape of the seat have been selected to maximize driver's comfort when travelling over long distances.

#### **Power windows**

All GAZelle NEXT vehicles are fitted as standard with Brose power windows that open and close in 5-6 seconds. The side mirrors are electrically heated to stay clear even in extreme subzero temperatures and can be electronically adjusted any time to provide optimal rear view.



#### **Convertible rear seat**

The rear seat is not only big enough to comfortably seat four passengers but also can be turned into a bunk. The niche under the seats can be used for stowing driver's personal belongings and bedding accessories.

#### **Climate control system**

Highly efficient heating and air conditioning system with a low-noise fan, cabin air filter and user-friendly A/C control panel.

#### **Low noise and vibration**

Front suspension dampers and improved cabin mounts protect the interior from vibration and help reduce the noise level. The suspension system reliably absorbs the shocks of driving in poor road conditions.



#### **Large cabin**

The GAZelle NEXT has a large and comfortable cabin that leaves most commercial vehicles behind in terms of ergonomics and attention to detail. The NEXT cabin is easy to get in and out of and has many advantages including a big door opening, low footstep and the ability to secure the door in the intermediate position.



## ROAD TO SUCCESS

Success and prosperity have come within closer reach for GAZelle NEXT owners. The vehicle's moderate selling price, fast payback, low service and maintenance cost and high residual value are only a few among the many advantages of the NEXT family.

Substantial cargo-carrying capacity allows the vehicle to transport more cargo with fewer trips while impressive fuel efficiency, low cost of repair, three-year (or 200,000 km) warranty and a 20,000 km service interval result in substantial cost reduction. Even with all these advantages the GAZelle NEXT has a price that is 30 % lower than comparable vehicles. Thanks to GAZelle NEXT's long service life its residual value remains high even after years of operation.





# TECHNICAL SPECIFICATIONS

## DROPSIDE

VEHICLE MODEL	A21R22/ A21R23/ A21R25/ A21R26	A22R22/ A22R23	A21R32/ A21R33/ A21R35/ A21R36	A22R32/ A22R33/ A22R35/ A22R36	C41R92	C42R92
Number of seats, pers.	3	7	3	7	3	7
Wheelbase, mm		3145		3745		3745
Technically permissible maximum vehicle weight, kg		3500		3500		4600
Curb weight, kg:						
with engine ISF2.8	2060	2220	2310	2340	2415	2428
with engine CSL	2010	2170	2260	2356		
with engine A274/A275	1955	2130	2125	2165		
with engine A2755 LPG	1990		2175	2215		
with engine A3055 CNG	2275		2445	2485		
Clearance (below the rear axle housing at GVW), mm		170		170		170
Minimum turning radius by the outside front wheel tread, m		5.7		6.5		6.5
Fuel consumption rate, measured according to a special method, at constant speed						
with engine ISF2.8						
60 km/h		8.5		8.5		9
80 km/h		10.3		10.3		11.5
with engine CSL						
60 km/h		8.1		8.1		
80 km/h		9.7		9.7		
with engine A275						
60 km/h		9.8		9.8		
80 km/h		12.1		12.1		
with engine A305						
60 km/h		10.0		10.0		
80 km/h		12.4		12.4		
with engine A2755 LPG						
60 km/h		9.8 (gasoline)/11.8 (gas)		9.8 (gasoline)/11.8 (gas)		
80 km/h		12.1 (gasoline)/14.5 (gas)		12.1 (gasoline)/14.5 (gas)		
with engine A3055 CNG						
60 km/h		11.2 (gasoline)/11.2 (gas)		11.2 (gasoline)/11.2 (gas)		
80 km/h		13.9 (gasoline)/13.9 (gas)		13.9 (gasoline)/13.9 (gas)		
Maximum speed on a horizontal smooth highway, km/h		130		130		130
Overhang angles (under load), degrees:						
front		22		22		22
rear		16		11		15
Maximum uphill gradient using the main fuel type under full load, %		26		26		26

# TECHNICAL SPECIFICATIONS

## ALL METALL VAN

VEHICLE MODEL	A31R22/ A31R23/ A31R25/ A31R26	A32R22/ A32R23/ A32R25/ A32R26	A31R32/ A31R33/ A31R35/ A31R36	A32R32/ A32R33/ A32R35/ A32R36	C45R02	C46R02
Number of seats, pers.	3	7	3	7	3	7
Wheelbase, mm		3145		3745		3950
Technically permissible maximum vehicle weight, kg		3500		3500		4600
Curb weight, kg:						
with engine ISF2.8	2490	2605	2585	2700	2636	2727
with engine CSL	2440	2555	2535	2650		
with engine A274/A275	2360	2475	2455	2570		
with engine A2755 LPG	2460	2575	2555	2670		
with engine A3055 CNG	2625	2740	2780	2895		
Clearance (below the rear axle housing at GVW), mm		170		170		170
Minimum turning radius by the outside front wheel tread, m		5.7		6.5		7.2
Pilot fuel consumption rate (measured according to a special method) at constant speed						
with engine ISF2.8:						
60 km/h		8.5		8.5		9
80 km/h		10.3		10.3		11.5
with engine CSL						
60 km/h		8.1		8.1		
80 km/h		9.7		9.7		
with engine A275:						
60 km/h		9.8		9.8		
80 km/h		12.1		12.1		
with engine A2755 LPG						
60 km/h		9.8 (gasoline)/11.8 (gas)		9.8 (gasoline)/11.8 (gas)		
80 km/h		12.1 (gasoline)/14.5 (gas)		12.1 (gasoline)/14.5 (gas)		
with engine A3055CNG						
60 km/h		11.2 (gasoline)/11.2 (gas)		11.2 (gasoline)/11.2 (gas)		
80 km/h		13.9 (gasoline)/13.9 (gas)		13.9 (gasoline)/13.9 (gas)		
Maximum speed on a horizontal smooth highway, km/h		130		130		130
Overhang angles (under load), degrees:						
front		22		22		22
rear		14		13		9
Maximum uphill gradient using the main fuel type under full load, %		26		26		26





## ENGINES TECHNICAL SPECIFICATIONS

MODEL	ISF2.8	ISF2.8	CSL	A274/A275	A305	A2755	A3055
Type	Turbo diesel with intercooler	Turbo diesel with intercooler	Turbo diesel with intercooler	Gasoline, 4-stroke, injection	Gasoline, 4-stroke, injection	Bi-fuel, 4-stroke, injection	Gas-gasoline, 4-stroke, injection
Fuel	Diesel	Diesel	Diesel	Gasoline with an octane number not less than 92	Gasoline with an octane number not less than 92	Liquefied petroleum gas (LPG)	Compressed natural gas (CNG)
Number and arrangement of cylinders	4, in-line	4, in-line	4, in-line	4, in-line	4, in-line	4, in-line	4, in-line
Cylinders capacity, l	2,8	2,8	1,968	2,69	2,98	2,69	2,98
Compression ratio	16,9/16,5	16,9	15,5	10	9,4	10	9,4
Maximum power, kW (HP)							
when operating on conventional fuel	110 (149,6)	102,7 (139,7)	100 (136)	78,5 (106,8)	89,7 (122)	78,5 (106,8)	89,7 (122)
when operating on gas						76,7 (104,3)	78,5 (106,8)
at crankshaft speed, rpm	3400	3400	3500	4000	4000	4000	4000
Maximum torque, net, N·m (kgf·m)							
when operating on conventional fuel	320 (32,6)/ 330 (33,6)	320 (32,6)	340 (34,6)	220,5 (22,5)	250 (25,5)	220,5 (22,5)	250 (25,5)
when operating on gas						219 (22,3)	220 (22,4)
at crankshaft speed, rpm	1400–3000/1800–2600	1400–2700	1575–2250	2350±150	2350±150	2350±150	2350±150
Crankshaft speed at idle, rpm:							
minimum (n <sub>min.</sub> xx)	750±50	800±50	830±50	800±50	800±50	800±50	800±50
maximum (n <sub>max.</sub> xx)	4500	3800	4600	3000	3000	3000	3000

# OPTIONS

LIST OF OPTIONS	Van		Combi	
	Diesel	Petrol	Diesel	Petrol
	A31R22/R32, A31R23/R26/ C45R02		A32R22/R32	A32R23/R26/ R33/R36, C46R02
Heated side mirrors	S	S	S	S
Central lock	S	S	S	S
Power windows	S	S	S	S
Cruise control	S	-	S	-
ABS braking system	O	O	O	O
Fog headlamps	O	O	O	O
Starting preheater, heater	O	-	O	-
Electric mirrors adjustment	O	O	O	O
Air conditioner	O	O	O	O
Left and right door pockets	O	O	O	O
Ceiling console	O	O	O	O
Heat-absorbing windows	O	O	O	O
Deluxe driver's seat	O	O	O	O
Audio head device 2 DIN with steering wheel buttons, USB	S	S	S	S
High-capacity accumulator battery (85 A·h)	O	-	O	-
Locking differential	O	O	O	O
Fire extinguisher	O	O	O	O
Driver seat with armrest	O	O	O	O
Gearbox remote drive	O	O	O	O
Jackard headrest covering	O	O	O	O
Cab interior mirror	O	O	O	O
Electrical outlet	-	-	O	O
Airbags for driver and front passengers*	O	O	O	O

LIST OF OPTIONS	Single cab		Double cab	
	Diesel	Petrol/ Gas fuel	Diesel	Petrol/ Gas fuel
	A21R22/R32, C41R92		A21R25/R23/ R26/R33/R35/ R36	A22R22/R32, C42R92
Heated side mirrors	S	S	S	S
Central lock	S	S	S	S
Power windows	S	S	S	S
Cruise control	S	-	S	-
ABS braking system (standard for C41R92)	O	O	O	O
Fog headlamps	O	O	O	O
Starting preheater, heater	O	-	O	-
Electric mirrors adjustment	O	O	O	O
Air conditioner	O	O	O	O
Left and right door pockets	O	O	O	O
Ceiling console	O	O	O	O
Heat-absorbing windows	O	O	O	O
Deluxe driver's seat	O	O	O	O
Audio head device 2 DIN with steering wheel buttons, USB	O	O	O	O
Battery (85 A·h)	O	-	O	-
Aluminium drop-sides platform	-	O	O	-
Locking differential	O	O	O	O
Fire extinguisher	O	O	O	O
Driver seat with armrest	O	O	O	O
Gearbox remote drive	O	O	O	O
Jackard headrest covering	O	O	O	O
Cab interior mirror	O	-	-	O
Electrical outlet	-	-	O	O
Airbags for driver and front passengers*	O	O	O	O

S — Standard package equipment    O — optional    - - not installed

\* — Not available for all modifications

# COLOURS AND UPHOLSTERY



\* Available only for dropside trucks

