

CARGO TRUCKS
URAL NEXT

URAL





DEAR CLIENTS,

HEREBY WE INTRODUCE YOU A NEW GENERATION OF THE LEGENDARY URAL TRUCKS, NAMELY A NEW FAMILY OF THE URAL NEXT VEHICLES. THE URAL NEXT VEHICLES EXPAND A MODEL RANGE OF THE URAL OFF-ROAD TRUCKS, BRINGING THEM TO A NEW LEVEL OF RELIABILITY, FUNCTIONALITY AND COMFORT. THE MODEL EXTERIOR AND INTERIOR, A COMFORTABLE CAB, EASY STEERABILITY, IMPROVED PARAMETERS OF ERGONOMICS – ALL THESE THINGS HAVE BEEN DEVELOPED THANKS TO ADVANCED ENGINEERING SOLUTIONS AND APPLICATION OF COMPONENTS AND MATERIALS THAT CONFORM TO WORLD QUALITY STANDARDS.

NEW GENERATION OF URAL NEXT TRUCKS – RIGHT SOLUTION FOR YOUR BUSINESS!



Total height

- Low overall chassis-cab height
- Comfortable and safe entrance/exit
- Crane or special equipment arranged above cab



Comfort

- Modern dashboard
- Driver's seat displaced backward relative to front axle
- Low noise and vibration level
- Efficient climate-control system & heat insulation



Maintenance

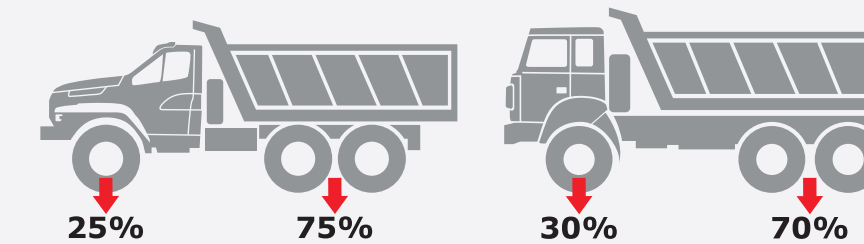
- Quick and comfortable access to engine without cab lifting
- The driver and the crew can stay in the warm cab.
- Footsteps and anti-skid liners for access to fenders



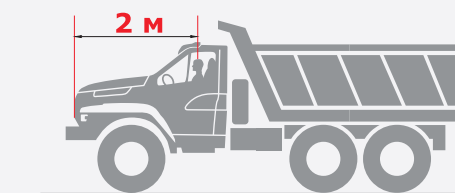
Steerability

- Low load on steerable wheels
- Force applied to steering wheel up to 8 kg
- RBL steering mechanism with built-in hydraulic booster

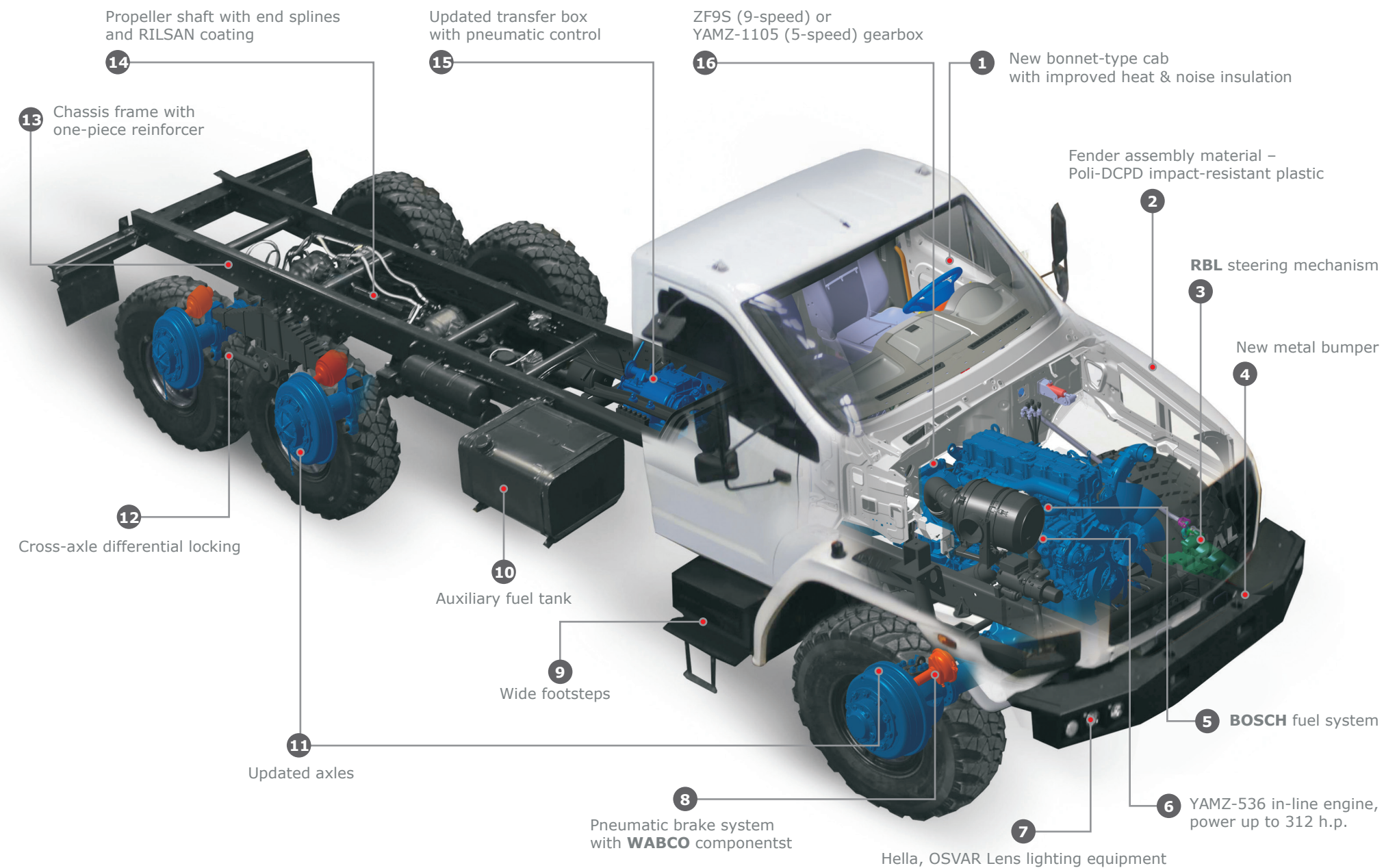
ADVANTAGES OF NEXT BONNET-TYPE CAB



The cab arrangement behind the front axle and the engine is optimal for an all-wheel-drive truck. Axle load distribution: the bonnet-type cab layout helps to distribute the axle loads optimally, without overloading of the first axle.



Safety: the bonnet-type cab version improves passive driver's safety.



DESIGN MODIFICATIONS

The distinguishing feature of the new family is the NEXT bonnet-type cab that ensures comfortable driver's work in any weather and road conditions. When developing the new vehicle family, over 50 modifications and technological improvements that provided with increase of a carrying capacity up to 13 t, engine power up to 312 h.p., reduction of fuel consumption as well as improved steerability and safety were introduced.

The truck has been designed and variants of its design have been chosen on the grounds of thorough customers' opinion polling.

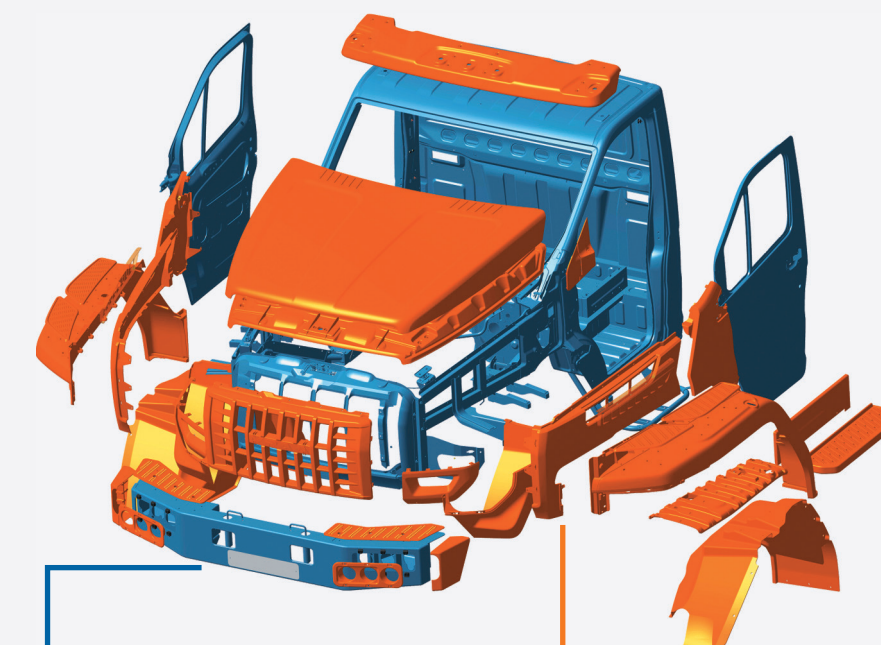
Cooperation with the best world manufacturers of auto components and the introduced technical solutions allow to ensure:

Increase of the service life reliability of the truck by 50%*

24-month or 100,000 km guarantee

Maintenance-to-maintenance interval – 15,000 km

*in comparison with non-updated versions of the URAL trucks.



METAL COMPONENTS

Zinc coating of cab components that are exposed to corrosive environment to maximum extend

PLASTIC COMPONENTS

Modern impact-resistant polymeric materials of cab fender components



DRIVING **WITH COMFORT**

ALL THINGS HAVE BEEN DEVELOPED TO SATISFY DRIVER’S NEEDS. THE THREE-SEAT CAB ENSURES CREW’S COMFORTABLE AND SAFE ROUTINE WORK AS FAR AS IT MAY BE PROVIDED IN DIFFICULT ROAD CONDITIONS.

CAB INTERIOR MADE OF SOUND-DEADENING PANELS. EVEN CAB FLOOR ACROSS ALL ITS LENGTH. OPTIMAL INTERNAL ENVIRONMENT IN CAB PROVIDED BY EFFICIENT CLIMATE-CONTROL SYSTEM AND HIGH-QUALITY HEAT INSULATION AND DOOR SEALS.

DRIVING WITH COMFORT



Steering/ Dashboard

The steering column is adjustable by inclination angle.

The ergonomical and informative dashboard conforms to up-to-date requirements.

Comfortable driver's and passenger's seats

Comfortable driver's (air-sprung seat in base version) and passenger's seats. Height-adjustable, backrest & headrest inclination-adjustable and lengthwise-displacing driver's seat



Niches, shelves, glove compartments/12V socket

The driver and passengers have all facilities for comfortable and safe storage of necessary documents and personal things. Provision for charging electronic devices (like mobile phones, navigators, players) from a 12V socket and a USB-plug for radio recorder are available.



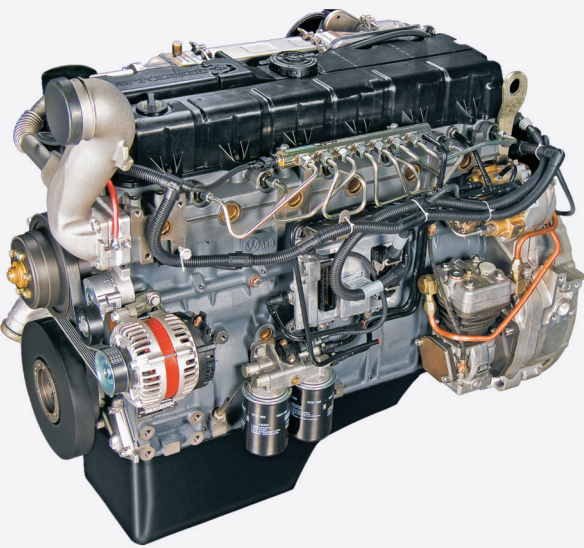
Electrically driven glass raisers/ mirrors/cruise control

Electrically driven glass raisers, electric heating of mirrors and that of fuel filters are included in a standard complete set of the vehicle.



HEART OF VEHICLE

THE URAL NEXT TRUCKS ARE POWERED BY THE YAMZ-536 ENGINE THAT CONFORMS TO EMISSION CLASS-4 (AS PER REGULATIONS NO. 96-02) WITHOUT APPLICATION OF SCR & EGR SYSTEMS.



Model, version	YAMZ-53622-10	YAMZ-53642-10	YAMZ-53602-10
Number & arrangement of cylinders	L6(L6(in-line))		
Bore, mm	105		
Cylinder displacement, mm	6,65		
Power, kW (h.p.)	176,5 (240)	210 (285)	229 (312)
Engine speed, rpm	230		
Rated engine speed, min ⁻¹	2300+25		
Max torque, Nm (kgfm)	900 (92)	1130 (115)	1226 (125)
Engine speed at max torque, rpm	1300...1600		

The YAMZ-536 engine represents a base six cylinder model of turbo-charged in-line engine produced by Avtodizel JSC (YAMZ).

The modern design of the engine has been developed in partnership with AVL, Austria. The engine has a low noise level, a gear drive of timing mechanism arranged on the side of the flywheel and the modern Common Rail accumulator-type fuel system (BOSCH) that provides injection pressure of 1,800 bar.

The application of the engines belonging to the YAMZ-536 family guarantees high tractive-and-dynamic characteristics and cost efficiency of the URAL NEXT vehicles.

The engine has a service life not less than a run of 800,000 km and a maintenance-to maintenance interval:
Maintenance-1 —15,000km and
Maintenance-2 – 30,000 km.

CONFIDENCE AND SAFETY IN ANY TERRAIN

THE URAL TRUCK WILL DELIVER CARGOES TO ANY DESTINATION.

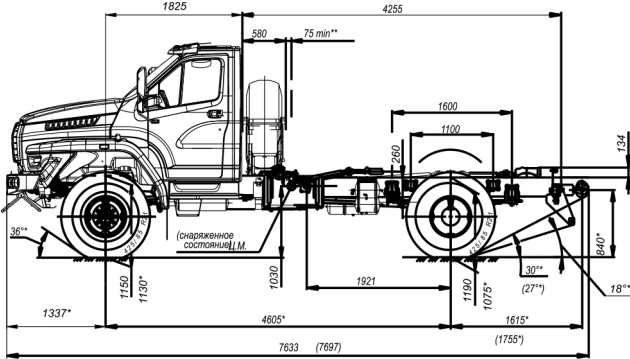
Big approach and departure angles, gradeability up to 30° and fordability down to 1,200 mm*.



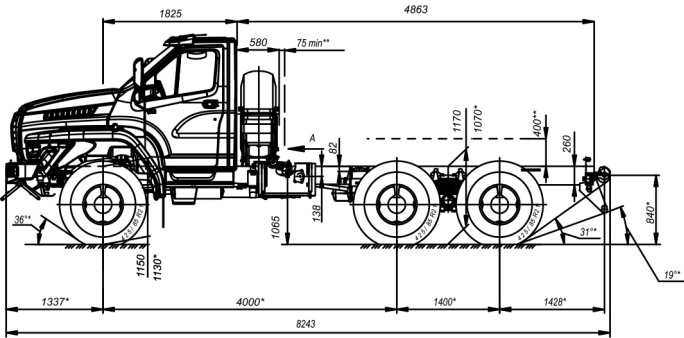
*with driveline components sealing system installed; a standard version – 700 mm.

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BASIC CHASSIS

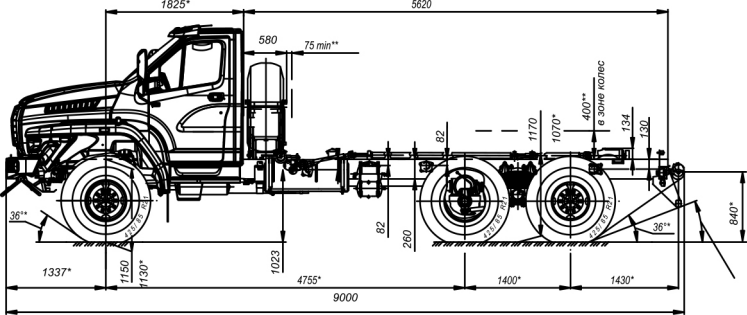
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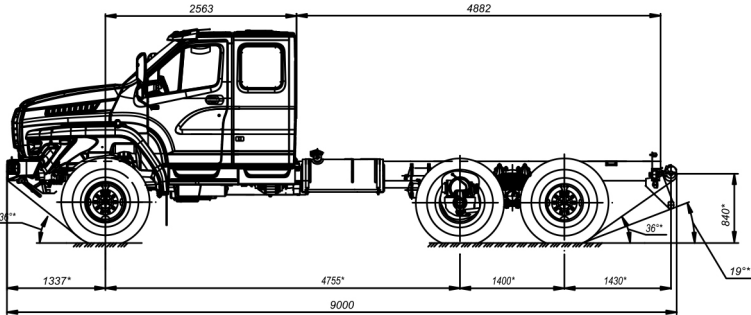
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URAL-4320



URAL-4320with double cab



Wheel arrangement	4x4	6x6
Rated payload, kg	5500	12500
Kerb weight, kg	6645	8040
Gross vehicle weight, kg	13300	21300(22500)**
G.V.W. distribution, kg:		
-front axle	5300	5300(6500)**
- rear axle (bogie)	8000	16000
Engine:	YAMZ-53622.10 in-line (Emission class-4)	YAMZ-53642.10 in-line (Emission class-4)
Power, h.p.	240	285
Max engine speed, min ⁻¹	2300	2300
Max torque, kgfm	92	115
Gearbox	YAMZ-0905, mechanical, 5-speed	YAMZ-1105, mechanical, 5-speed
Transfer box	Automobile plant URAL JSC, 2-stage, with locking inter-axle differential (high gear1.04 low gear2.15)	Automobile plant URAL JSC, 2-stage, with locking inter-axle differential (high gear1.04 low gear2.15)
Cab	Bonnet-type, three-seat	Bonnet-type, three-seat
Driving axles	Automobile plant URAL JSC, axle ratio6.77	Automobile plant URAL JSC, axle ratio7.49
Fuel tank capacity, l	210	210+180*
Wheels & tires	Tires425/85 R21 , wheels 533-310	Tires425/85 R21 , wheels 533-310

*Depending on modification
**With reinforce front suspension

Wheel arrangement	6x6	6x6
Rated payload, kg	12500	12200
Kerb weight, kg	8245	8785
Gross vehicle weight, kg	22500	21300(22500)**
G.V.W. distribution, kg:		
-front axle	5300(6500)**	5300(6500)**
- rear axle (bogie)	16000	16000
Engine:	YAMZ-53602.10 in-line (Emission class-4)	YAMZ-53602.10 in-line (Emission class-4)
Power, h.p.	312	312
Max engine speed, min ⁻¹	2300	2300
Max torque, kgfm	125	125
Gearbox	YAMZ-1205 or ZF 9S1310TO, mechanical, 5-speed/ 9-speed	YAMZ-1205 or ZF 9S1310TO, mechanical, 5-speed/ 9-speed
Transfer box	Automobile plant URAL JSC, 2-stage, with locking inter-axle differential (high gear1.04low gear2.15)	ОАО "АЗ "УРАЛ"2-х ступ.с блокируемым межосевым дифференциалом (вышая передача - 1,04, низшая передача - 2,15)
Cab	Bonnet-type, three-seat	Bonnet-type, seven-seat
Driving axles	Automobile plant URAL JSC, axle ratio7.49	Automobile plant URAL JSC, axle ratio7.49
Fuel tank capacity, l	300	300
Wheels & tires	Tires425/85 R21 , wheels 533-310	Tires425/85 R21 , wheels 533-310

*Depending on modification
**With reinforce front suspension



URAL NEXT ADVANTAGES



RELIABILITY

- Updated driveline with service life and reliability enhanced by 50%
- Pneumatic brake system with WABCO components
- High resistance to corrosion



CROSS-COUNTRY
ABILITY

- Engine power up to 312 h.p.
- Differentials locking
- Central tire pressure control system



COMFORT

- New NEXT bonnet-type cab
- Air-sprung driver's seat
- Heat and noise insulation
- Optimal internal environment



GUARANTEE
& SERVICE

- 24-month or 100,000 km guarantee
- 15,000 service-to-service interval



SAFETY

- Bonnet-type cab layout improving driver's safety
- RBL steering



COST EFFICIENCY

- Competitive price among similar vehicles
- Low cost of ownership

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Cebu: 71 Juan Luna Ave. Kasambagan Mabolo, Cebu City • Telefax: 032.520.2214

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