



Zavolzhsky Crawler Vehicle Plant, CJSC

# AMPHIBIOUS ALL - TERRAIN TRACKED VEHICLES (AATVs)



EQUIPMENT FOR YOUR SUCCESS

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## AATVS FEEL AT HOME ON ROUGH TERRAIN WHICH THEY CONQUER DESPITE ANY OBSTACLES ALONG THE WAY

Zavolzhsy Crawler Vehicle Plant, CJSC ("ZZGT, CJSC") is part of RM-Terex (Russian Machines Corp.) with about 50 years of experience in AATV production. The company has accumulated extensive knowledge in AATV development and manufacturing which is now realized in the state-of-the-art production processes and technologies. The entire product lineup passed testing in the most demanding and extreme operating conditions.

Today, the company manufactures five basic models of one- and two-section AATVs allowing attachments which considerably expand their application.

Proactive approach and continuous efforts to improve efficiency of its customer-centric operations ensure the company's success in the marketplace.



# GAZ-3409 BOBR

The AATV boasts high maneuverability in tight spaces. The vehicle features an on-road track assembly with rubber-jointed tracks and removable rubber shoes. AATV modifications:

- ▶ passenger version with full-metal body and autonomous cab heater
- ▶ cargo version with tent-covered platform



## SPECIFICATIONS

Parameter	Unit	GAZ-3409 BOBR	GAZ-34091
<b>Cargo-passenger version</b>			
Curb weight	kg	3600	3400
Payload	kg	600	800
Seats	pers.	6	3
<b>Engine</b>			
Engine model		Cummins ISF2.8	
Engine power / rpm	hp / rpm	130.5 / 3800	
Max torque / rpm	N.m / rpm	285 / 1800	
Number of cylinders		4	
Displacement	l	2.8	
<b>Overall dimensions</b>			
Length	mm	4625	
Width – with mirrors / body	mm	2380 / 2020	
Height – with / without pilot light	mm	2770/2500	2640/2360
Base	mm	2500	
Track gauge	mm	1520	
Road clearance	mm	430	
<b>Off-road capability</b>			
Average specific ground pressure	kgf/cm <sup>2</sup>	0.163	
Gradeability	deg.	35	
Sideways inclination	deg.	25	
Turning radius	m	2	
<b>Operating characteristics</b>			
Max. trailer weight	kg	1300	
Fuel capacity	l	185	
Max. road travelling speed	km/h	63	
Max. floating speed	km/h	5	

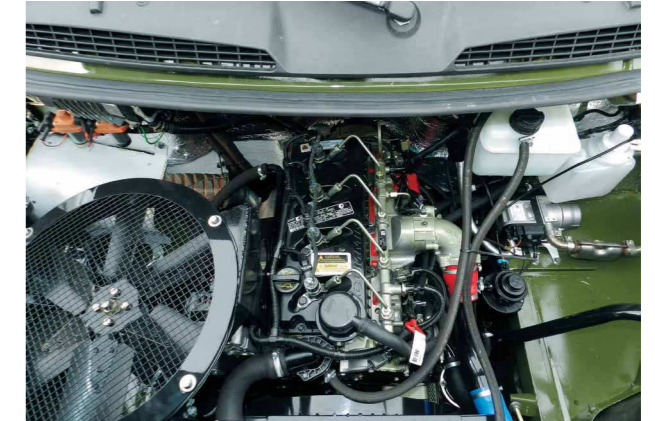
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Pictures of custom-made vehicles are allowed.

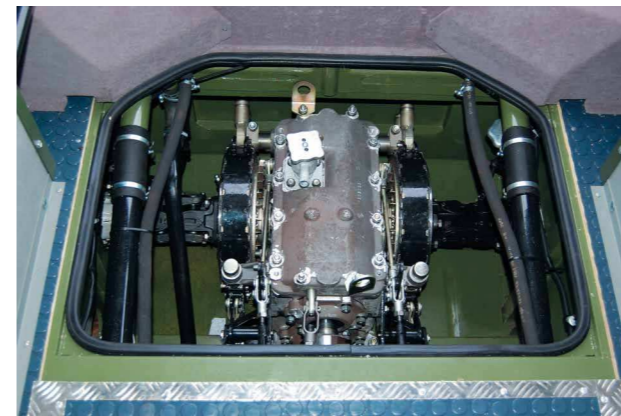
## GAZ-3409 BOBR – ADVANTAGES



**Operator station** in the state-of-the-art interior features a comfortable seat and offers excellent visibility



**Diesel Cummins engine** ensures reliable operation and dynamic ride experience



**Easy access to components** enables quick maintenance. Heated interior space is crucial for works in winter time



**Independent torsion bar suspension on the undercarriage** provides for exceptionally smooth riding over rough terrain



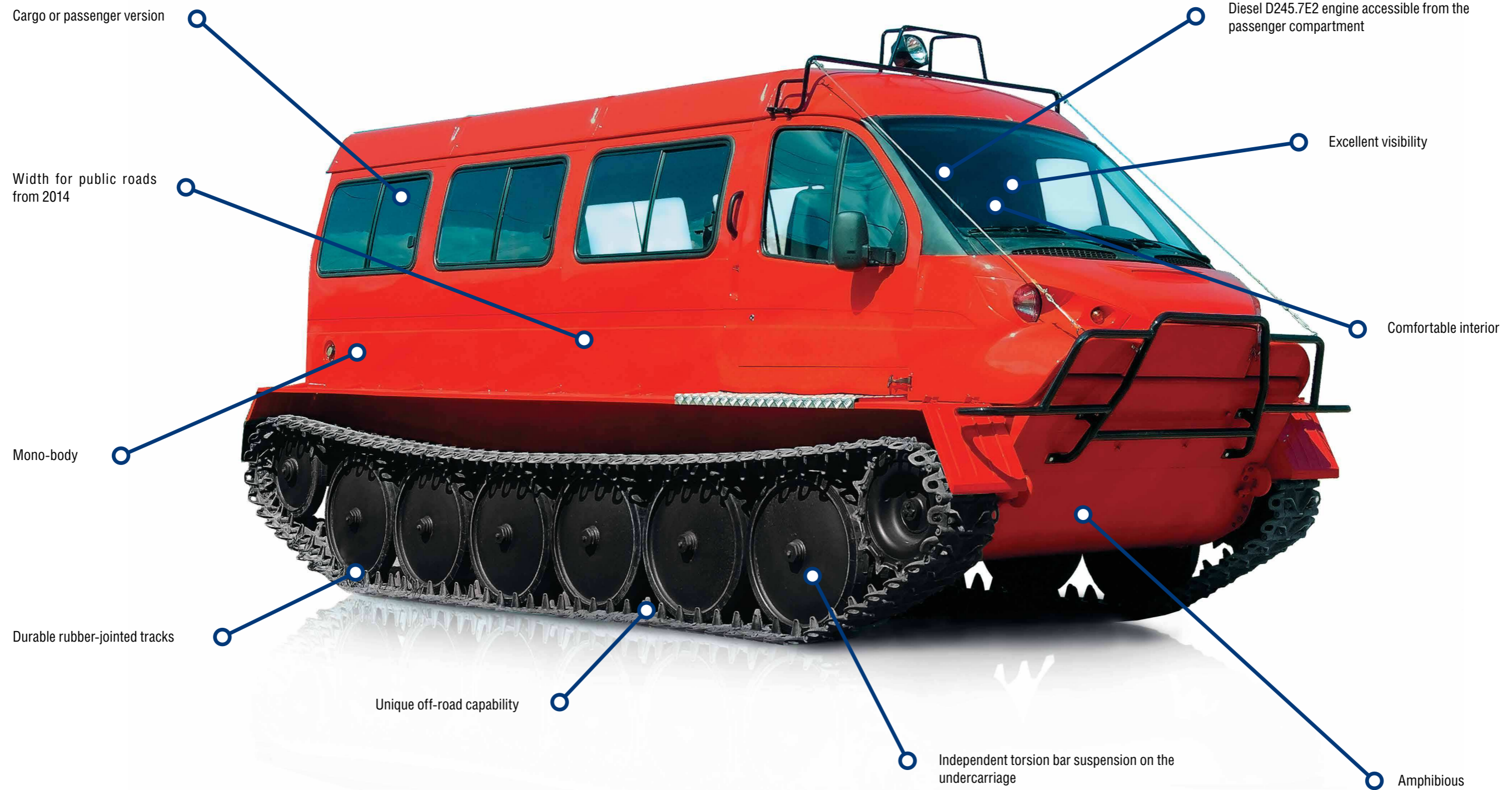
**Autonomous Webasto preheater** enables easy engine start-up in winter and quick interior heating



**Two bilge pumps** guarantee the machine will cross water obstacles

# GAZ-34039 IRBIS

The AATV features a spacious mono-body, additional passenger seats and comfortable interior offering improved operator station ergonomics, better control panel, and higher cab and passenger seat visibility. The power train maintenance is facilitated by the new engine compartment layout providing for the engine installation in the passenger space. Payload has been increased to 2 t.



## SPECIFICATIONS

Parameter	Unit	GAZ-3409 IRBIS	GAZ-34039 Cargo-passenger version
<b>Cargo-passenger version</b>			
Curb weight	kg		5000
Payload	kg		2000
Seats	pers.	12	3
Sleeping accommodations	pers.	4	1
<b>Engine</b>			
Engine model			D245.7E2
Engine power	hp		122
Max torque / rpm	N.m / rpm		423 / 1500
Number of cylinders			4
Displacement	l		4.75
<b>Overall dimensions</b>			
Length	mm		6280
Width	mm		2540
Height – with / without pilot light	mm		2890/2620
Base	mm		3600
Track gauge	mm		2150
Road clearance	mm		400
<b>Off-road capability</b>			
Average specific ground pressure	kgf/cm <sup>2</sup>		0.22
Gradeability	deg.		35
Sideways inclination	deg.		25
Turning radius	m		2.2
<b>Operating characteristics</b>			
Max. trailer weight	kg		2000
Fuel capacity	l		400
Max. road travelling speed	km/h		60
Max. floating speed	km/h		6

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## GAZ-34039 IRBIS – ADVANTAGES



**Operator station** in the state-of-the-art interior features a comfortable seat and offers excellent visibility



**Diesel engine D245.7E2** proved itself as a reliable and easy-to-maintain solution



**Passenger compartment** can be transformed to provide sleeping accommodations for 4 people and generous load space



**Hatch** provides additional ventilation in summer time



**Rubber-jointed tracks** serve twice longer than tracks with open-type joints

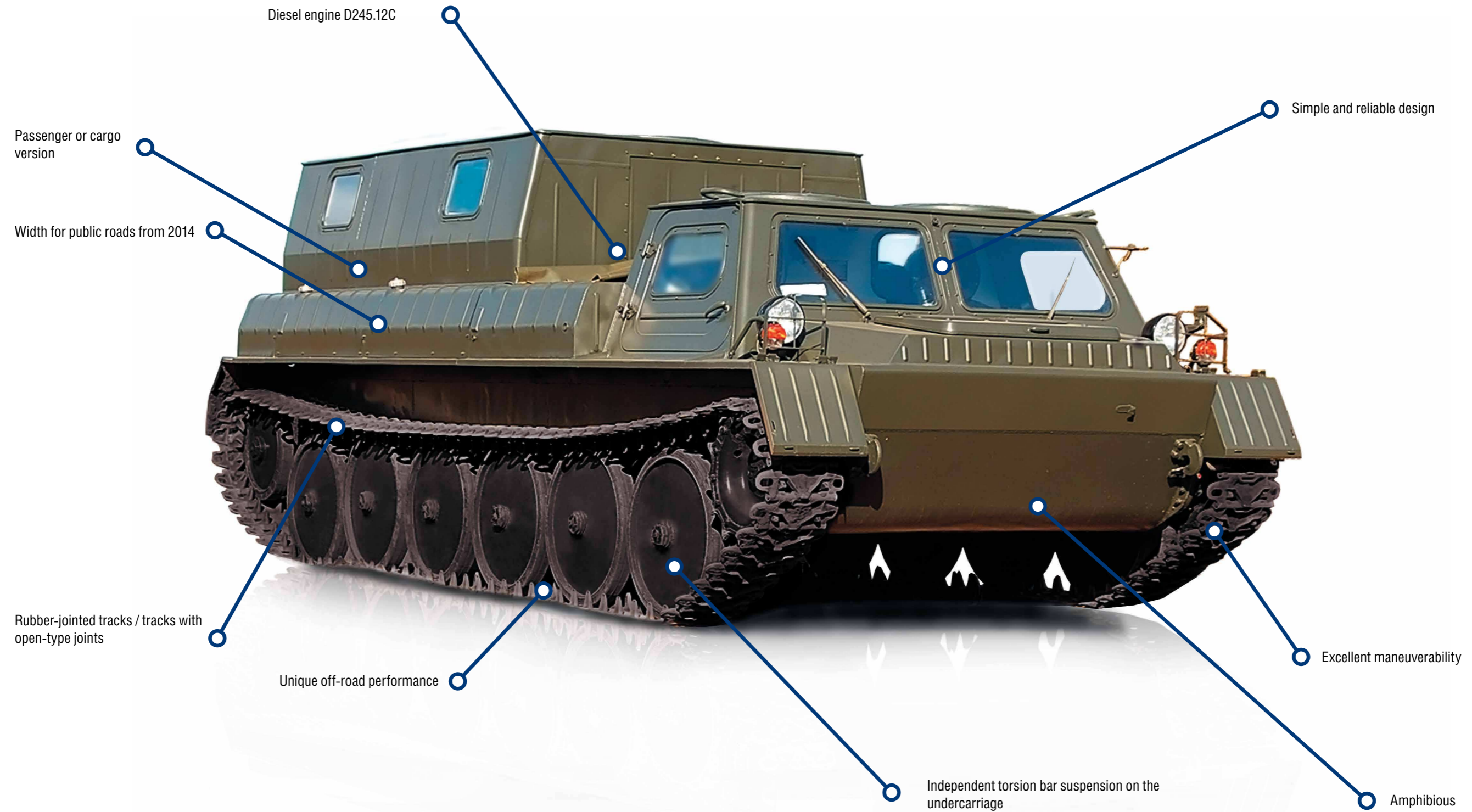


**Guards on the body and glass elements** enable the vehicle to cross challenging forest areas

# GAZ-34039

The company offers a number of modifications, including metal passenger or tent-covered passenger/cargo compartments. The AATV may feature the following types of track assemblies:

- ▶ Tracks with open-type joints (service life – 6000 km)
- ▶ Rubber-jointed tracks (service life – 12000 km)



## SPECIFICATIONS

Parameter	Units	GAZ-34039-12	GAZ-34039-13	GAZ-34039-32	GAZ-34039-33	GAZ-34039-22	GAZ-34039-23
		winterized tent, rubber-jointed tracks	winterized tent, rubber-jointed tracks	metal body, rubber-jointed tracks	metal body, open-type track joints	tent, rubber-jointed tracks	tent, open-type track joints
Curb weight	kg	4800		4900		4500	
Payload	kg	1200		1100		1500	
Seats	pers.		10			12	
Sleeping accommodations	pers.		4			-	

### Engine

Engine model		D245.12C
Engine power	hp/rpm	109/2400
Max torque / rpm	N.m/rpm	350/1300-1700
Number of cylinders		4
Displacement	l	4.75

### Overall dimensions

Length	mm	5720
Width	mm	2540
Height – with / without pilot light	mm	2040/2000
Base	mm	3600
Track gauge	mm	2150
Road clearance	mm	400

### Off-road capability

Average specific ground pressure	kgf/cm <sup>2</sup>	0.214
Gradeability	deg.	35
Sideways inclination	deg.	25
Turning radius	m	2.2

### Operating characteristics

Max. trailer weight	kg	2000
Fuel capacity	l	370
Max. road travelling speed	km/h	60
Max. floating speed	km/h	6

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## GAZ-34039 – ADVANTAGES



**Passenger compartment** can be transformed to provide sleeping accommodations for 4 people and load space



**2 hatches** provide for additional ventilation in summer



**Autonomous Webasto heater** quickly warms the passenger compartment and maintains temperature if the engine is off



**Pilot light** is indispensable when travelling off-road in the night time



**Rubber-jointed tracks or tracks with open-type joints** allow configurations best suited for specific operating conditions

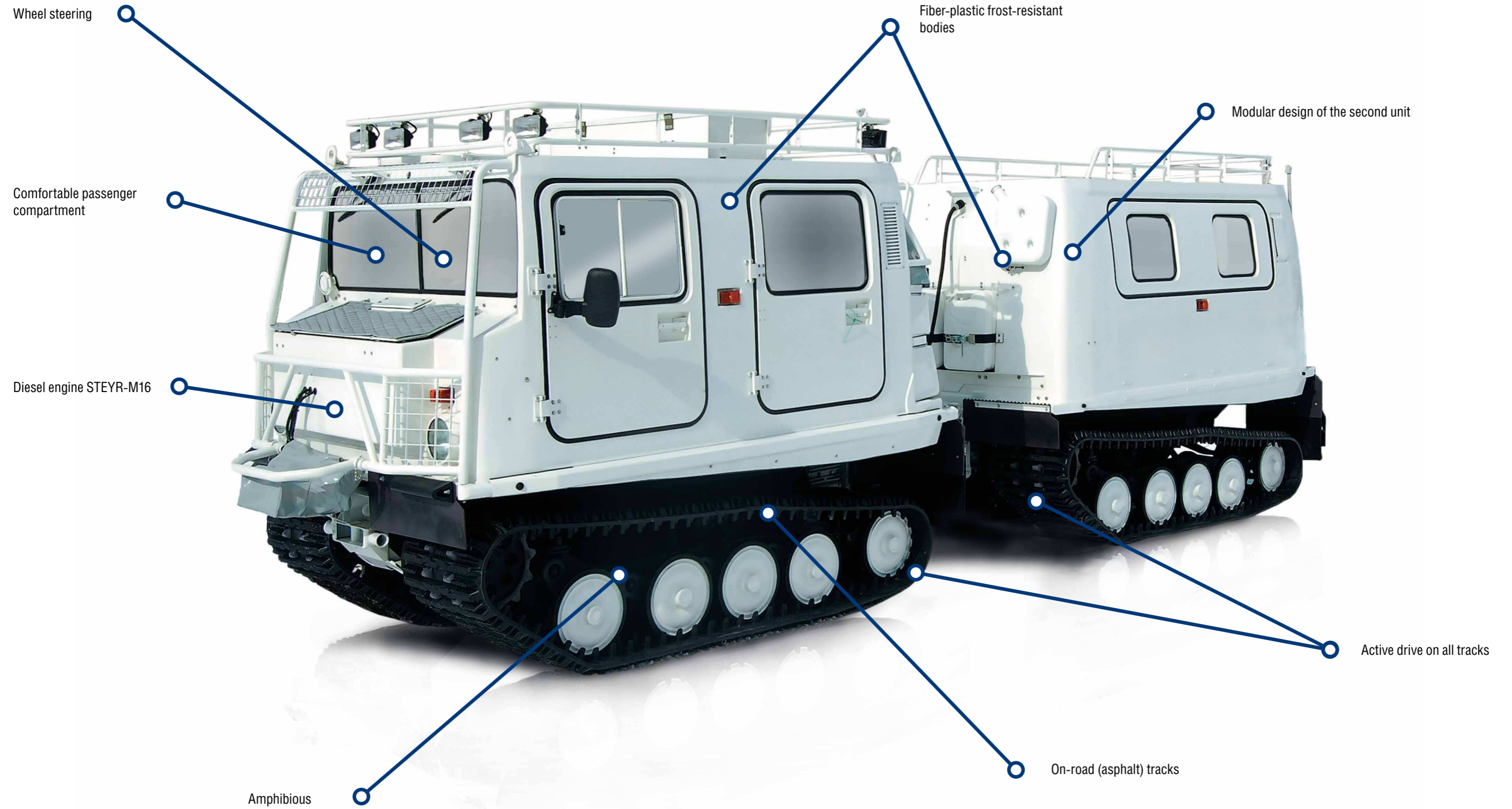


**Diesel engine D.245 7E2** proved itself as a reliable and easy-to-maintain solution



# GAZ-3351

The first unit of GAZ-3351 AATV features a glass-fiber-reinforced plastic displacement hull with foamed-plastic (frost-resistant fiber glass) heat and noise insulation and an autonomous Webasto heater for a passenger compartment designed to carry 5 people. Modular design of the second unit allows installation of any technological equipment within the ATV load-carrying ability.



## SPECIFICATIONS

Parameter	Unit	GAZ-3351
Curb weight	kg	4700
1st unit payload	kg	600
2nd unit payload	kg	1400
Seats in the 1st unit	pers.	5
Seats in the 2nd unit	pers.	11
Sleeping accommodations	pers.	4

### Engine

Engine model		STEYR M-16
Engine power / rpm	hp / rpm	183/3800
Max torque / rpm	N.m / rpm	400/2200
Number of cylinders		6
Displacement	l	3.2

### Overall dimensions

Length	mm	7260
Width	mm	2250
Height	mm	2500
Track gauge	mm	1226
Road clearance	mm	350

### Off-road capability

Average specific ground pressure	kgf/cm <sup>2</sup>	0.138
Gradeability	deg.	35
Sideways inclination	deg.	25
Turning radius	m	8

### Operating characteristics

Max. trailer weight	kg	2500
Fuel capacity	l	200
Max. road travelling speed	km/h	55
Max. floating speed	km/h	4

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## GAZ-3351 – ADVANTAGES



**Comfortable wheel steering**



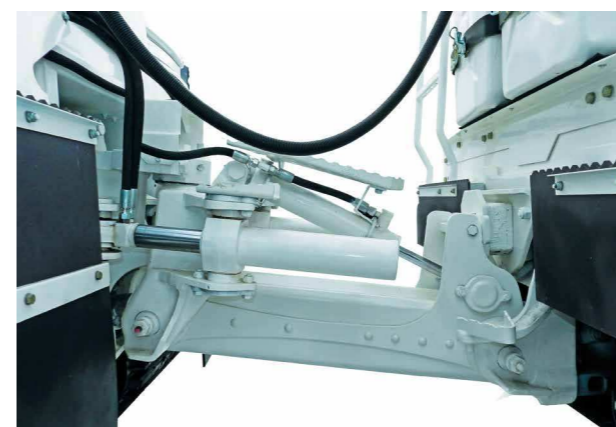
**Automatic gearbox** provides the dynamic riding experience allowing the driver to focus on the road



**Passenger compartment in the 2nd unit** can be transformed to provide sleeping accommodations for 4 people and load space



**Body, glass and headlight guards** allow the vehicle to travel through forest areas



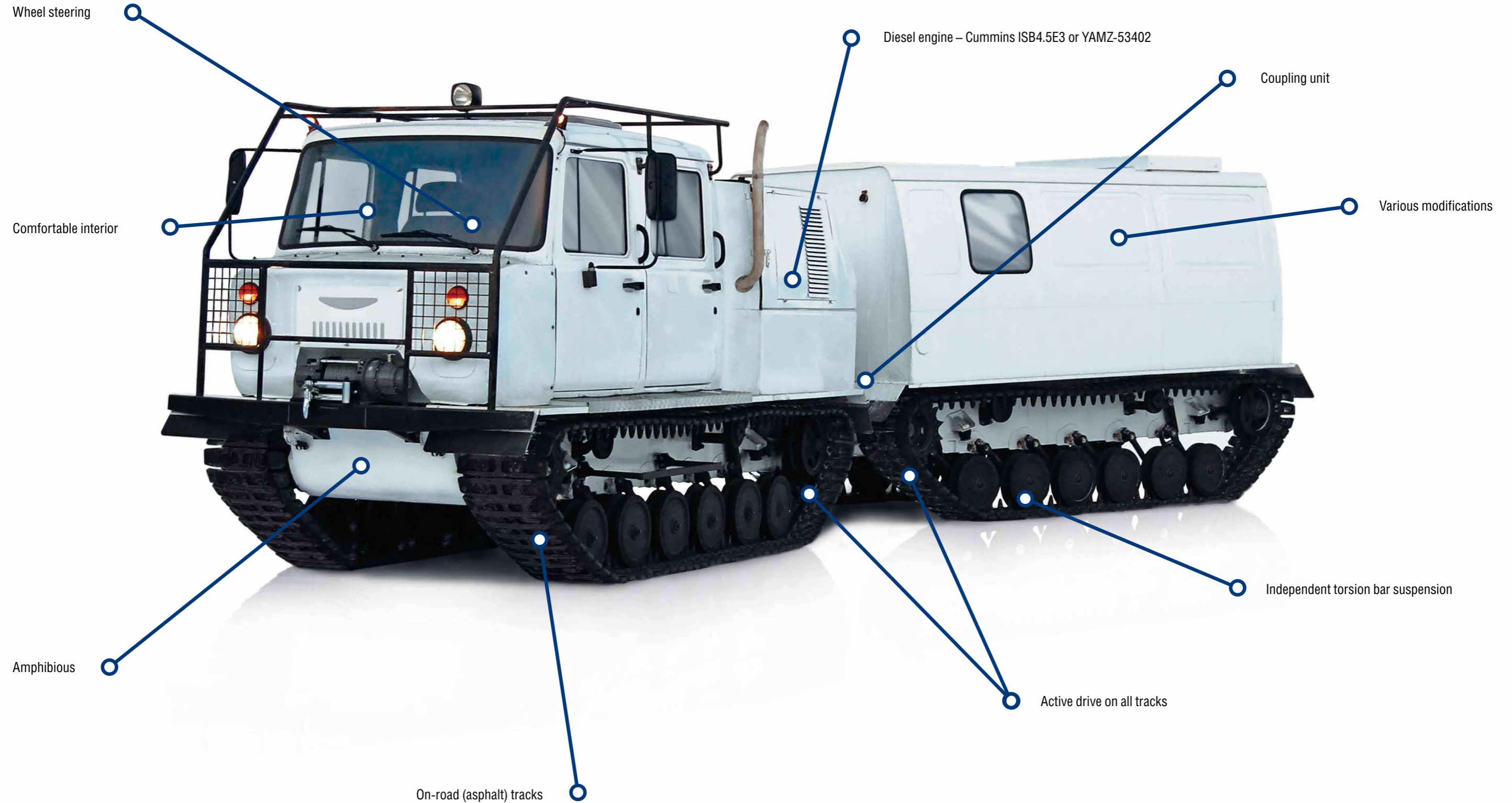
**Coupling unit** is the key component in the vehicle steering system ensuring unique off-road capabilities



**On-road (asphalt) rubber tracks** boast long service life and a record low ground pressure

# GAZ-3344

The AATV boasts outstanding off-road capabilities and ability to conquer barriers more challenging than those overcome by one-unit AATVs due to torque transfer from the engine to the tracks of both units, low ground pressure, articulation with no loss in the drawbar pull or speed as well as forced vertical folding feature.



## SPECIFICATIONS

Parameter	Unit	GAZ-3344
Curb weight	kg	8700
1st unit payload	kg	500
2nd unit payload	kg	2000
Seats in the 1st unit	pers.	5
Seats in the 2nd unit	pers.	11

### Engine

Engine model		YAMZ-53402-10
(Cummins ISB4.5E3)		
Engine power / rpm	hp / rpm	189/2300 (185/2200)
Max torque / rpm	N.m / rpm	710/1300...1600
(650/1700)		
Number of cylinders		4 (4)
Displacement	l	4.43 (4.5)

### Overall dimensions

Length	mm	9930
Width	mm	2380
Height – with / without pilot light	mm	2770/2500
Track gauge	mm	1520
Road clearance	mm	430

### Off-road capability

Average specific ground pressure	kgf/cm <sup>2</sup>	0.21
Gradeability	deg.	35
Sideways inclination	deg.	25
Turning radius	m	10.8

### Operating characteristics

Max. trailer weight	kg	3000
Fuel capacity	l	250
Max. road travelling speed	km/h	60
Max. floating speed	km/h	5

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## GAZ-3344 – ADVANTAGES



**Comfortable wheel steering**



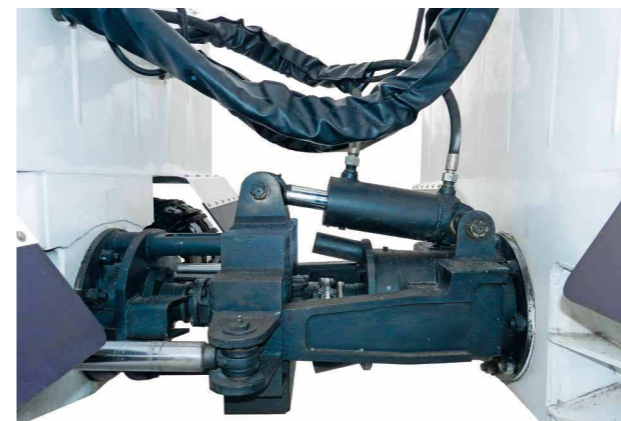
**Automatic gearbox** provides the dynamic riding experience allowing the driver to focus on the road



**Body, glass and headlight guards** allow the vehicle to travel through challenging forest areas



**Passenger compartment in the 2nd unit features** an independent cargo space heating system and comfortable seats



**Coupling unit** is the key component in the vehicle steering system ensuring unique off-road capabilities



**On-road (asphalt) tracks** offer the advantages of steel and rubber tracks ensuring light weight and stability on rough terrain

# COMPREHENSIVE CUSTOMER SUPPORT



## EQUIPMENT SHIPMENTS

- ▶ Deliveries
- ▶ Pre-delivery inspections and commissioning



## TECHNICAL SUPPORT

- ▶ Warranty and post-warranty maintenance
- ▶ Service in dealerships and on the job sites
- ▶ Spare parts deliveries



## FINANCIAL SERVICES

- ▶ Equipment sales financing accessible to end users
- ▶ Equipment financing for retail and corporate customers
- ▶ Full support of transactions and interaction with financial institutions
- ▶ Special terms depending on business specifics (seasonal variations, term and form of financing)
- ▶ Financing terms comfortable for dealers – stock financing, lending,
- ▶ Participation in the financial services tenders/auctions
- ▶ Special offers

# DEALERS

ZZGT dealer network comprises large sustainable businesses working with the manufacturing facility on a contract basis and offering fully equipped facilities and technological potential enough to support large-scale shipments. Brand recognition is guaranteed not only by constantly improved product quality but also by strengthening and widening partnerships built on trust and mutual benefit, including partnerships with foreign companies.

The dealer network comprises about one hundred organizations across Russia and CIS.

For the list of dealers available in your region, please visit [www.zzgt.ru](http://www.zzgt.ru) or [www.rm-terex.com/dealers](http://www.rm-terex.com/dealers).

# CONTACT INFORMATION

You may contact our specialists on any issues related to ZZGT product deliveries:

Sales Department:

8(831-61) 2-15-06

8(831-61) 2-15-09

8(831-61) 2-14-83

Service Team

8(831-61) 2-15-84

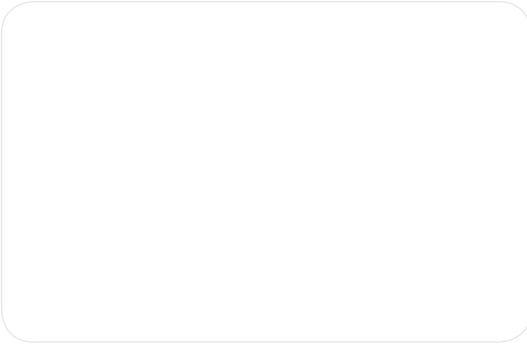
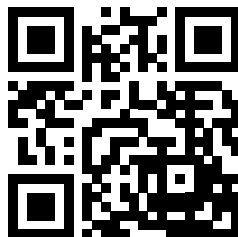
Spare Parts Sales

8(831-61) 2-14-75





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[www.zzgt.ru](http://www.zzgt.ru)



Standard specifications and equipment installed on the vehicle upon customer's request are subject to change. For additional information, please contact the company's dealers. Equipment on photographs and/or drawings may differ from that available for ordering. Materials and specifications are subject to change without prior notice.

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