



CATALOG

ATVs / SNOWMOBILES

2019

CONTENTS

ABOUT US 4

OUR PRODUCTION 6

ATVs 8

 STELS GUEPARD..... 10

 STELS LEOPARD.....18

 STELS ATV 300 B 24

 STELS ATV 100 RS..... 25

SNOWMOBILES 26

 STELS VIKING 2.0 28

 STELS ERMAK 32

 STELS MOROZ 36

 STELS VITYAZ 40

 STELS KAPITAN 44

You can find full information on the product range, technical characteristics, and colors on our website, www.stelsoffroad.com.

The manufacturer reserves the right to change the design, packaging or manufacturing process in order to improve product properties without prior notice.

The text and numerical designations of this catalog may have misprints.





ABOUT US

The history of our company is not only the brand history but also the history of people and their ideas. At the dawn of Perestroika, an unusual idea appeared to make a reasonably priced, stylish, and affordable bicycle, which would be equally suitable for adults, young people, and children. That's how a wide cycling movement began in Russia. It was embodied as Velomotors Company with the STELS brand was established in 1996, and the vehicle sales began on the Russian market. Ordinary people showed us by buying the new brand that we had chosen the right way. As early as 2003, the first plant of the company opened in Kubinka, Odintsovo District. In 2006, a second site was established in Krylovskaya Village near Rostov-on-Don. In 2008, we saved and restored the bicycle factory in Zhukovka, the pride of Soviet bicycle manufacturing, which used to produce the Desna bicycles famous all over the country.

Fresh trends and needs of the market have shown the company a fundamentally new field of activity – the manufacturing of motorcycles. In July 2009, the production of the first all-terrain vehicles (ATV) was organized at the facilities of Zhukovski Motorcycle Plant. In 2010, the company's product range was replenished with scooters and motorcycles. Four years after, we've got snowmobiles and ATVs of our own design.



The company's success is not a coincidence: our model range, quality, reasonable prices, instant response to market needs and the slim concept of the STELS brand have made the company widely known both in Russia and abroad. Now we are a team of professionals with many years of experience; we have three ultramodern plants with an in-house development laboratory and a design bureau. We create the future with our own hands – with you and for you.





OUR PRODUCTION

The experience gained over the years of cooperation with global motorcycle manufacturers made it possible to open a plant for the assembly of scooters, ATVs and motorcycles. In July 2009, Velomotors organized the production of ATVs in cooperation with leading manufacturers from Taiwan and China at Zhukovski Motorcycle Plant in the Bryansk Region.



In 2010, the production of the STELS scooter range began at the same production facilities. This is a convenient and cost-effective urban transport. STELS scooters have rapidly gained popularity in Russia; with their modern design, a good power unit, and a one-year warranty, this is the best option for the price offered.

In the winter of 2013, four design bureaus began to specialize on bicycles, rigging, ATV equipment, and snowmobiles. In order to master the production of new types of equipment, more than 21,000 m² of production areas were built, completed with equipment of global-scale brands like AMADA, MAZAK, etc. Along with the design bureaus, the site was organized and equipped with special units for various equipment testing.

In December 2013, the company entered a completely new niche – the production of domestic snowmobiles. The utilitarian and tourist STELS S800 ROSOMAHA became the first snowmobile of the company. It had a four-stroke engine and a super-wide, 600-millimeter, track.

In 2014, a new snowmobile STELS 600 VIKING was released based on ROSOMAHA gear. The two-stroke utilitarian snowmobile immediately gained popularity and won the trust of Russian consumers. The snowmobiles were fully produced at the facilities of Zhukovski Motorcycle Plant. Their unique design was developed by the Velomotors design office.

In the summer of 2014, the first episode of the all-Russian ATV appeared – that was STELS ATV 600 LEOPARD. The development is fully owned by Velomotors; the ATV is designed and manufactured in Russia with regard to the requirements of the Russian consumers and our environmental features. Following it in March 2015, Velomotors presented its flagship model, STELS ATV 800G GUEPARD.

The bombshell is a two-cylinder V-shaped engine of 800 cm³ developed and built in-house. Engineers of Velomotors created a powerful, reliable, and, last but not least, affordable ATV.



In total, four engines for ATV and snowmobiles were developed and put into production by the designers and engineers of the Velomotors plants: a two-stroke engine of 570 cm³ and three four-stroke engines of 650 cm³, 800 cm³ and 850 cm³.

In 2016, the range of ATVs and snowmobiles expanded significantly. Moreover, in the fall of 2016, the company released a fundamentally new snowmobile model with one ski and two tracks – STELS ERMAK. It was designed specifically for regions where the similar equipment is commonly used thanks to its high cross-country capability and maneuverability. At the end of 2017, production of a super reasonably priced snowmobile, STELS MOROZ, started at the new company production site in Rybinsk, Yaroslavl Region.

In 2018, the Velomotors Group provided its happy customers with two new models of snowmobiles at once – STELS VITYAZ and STELS KAPITAN. The first Russian-made functional traveller snowmobile STELS VITYAZ with aluminum frame is ideally suited for Russian climatic and landscape operating conditions. STELS KAPITAN is a compact snowmobile for those who love entertainment and outdoor activities like fishing trips and hunting.

The annual output of the Velomotors Group is more than 7.5 thousand ATVs, more than 6 thousand snowmobiles and more than 1 million bicycles. The company's management is optimistic about the future and has serious plans to expand production, introduce new production lines, and keep developing the bicycle and motorcycle industry.

In the past three years alone, four new production lines with a total length of more than 5 km have been commissioned at the holding's factories: two lines for the production of bicycle rims, a line for molding products from polymeric materials, and a line for production of seat soft elements for bicycles and motorcycles. In 2016, a robotic complex for painting parts with liquid enamels, unique for Russian bicycle manufacturers, was put into operation at Zhukovski Motorcycle Plant. Also in 2016, the construction of the facility began to accommodate the production of aluminum bicycle frames with an area of 14,000 m² and a new warehouse with an area of 8,000 m².



Today's Velomotors Group includes: Zhukovski Motorcycle Plant, Kubinsky Bicycle Plant, Krylovskaya wholesale warehouse, a transport vehicle base and a warehouse in Lyubertsy, a spare parts warehouse in the Ural area, design and engineering offices in Izhevsk and Rybinsk. At the moment, Velomotors Group is the largest manufacturer of bicycles and motorcycles in Europe.



ATVs



ATV **STELS** **GUEPARD**



STELS GUEPARD

When all the power of a V-shaped motor is combined with bold lines of a heavy-duty plastic case, aggressive LED optics, speed, comfort, and vibrancy of a reliable utilitarian ATV, this is STELS GUEPARD.

In this model, the developers took into account all the possible options of ATV operation, especially the weather conditions and reliefs of the vast Russian soils. STELS GUEPARD will be a reliable friend in travels, a good comrade in competitions, an excellent helper in hunting, and a proven partner in fishing.

The ATV is equipped with a detailed dashboard; a high two-level seat provides the passenger with an excellent overview. Special comfort is provided by wide steps and rubberized handles of the passenger seat.

STELS GUEPARD is a real predator both on land and in water. Highly located engine air intakes and variable ventilation options allow overcoming deep-water obstacles. Long suspension travel contributes to high maneuverability and overcoming difficult obstacles. Powerful and reliable STELS GUEPARD combines unique grace and maneuverability. Well-thought-out design and outstanding technical features will leave neither professionals nor amateurs indifferent.





ATV 850G **STELS**
GUEPARD

850 cm³

69 hp

30 l



STELS ATV 850G



TECHNICAL SPECIFICATIONS	GUEPARD TROPHY EFI EPS	GUEPARD TROPHY PRO EFI EPS
Frame	Steel welded pipe	
Engine Type	2 Cylinders, 4-Stroke, liquid cooling, 850 cm ³	
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92	
Ignition System	Electronic Control Unit (ECU) "DELPHI"	
Starter	Electric	
Max. Power HP/KW (rpm)	69/51 (6500)	
Max. Torque Nm (rpm)	75/5000	
Design speed (km/h)	110	
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R-P) with 2WD/4WD/4WD Lock operation mode	
Drive from Engine to Gearboxes	Cardan shaft	
Drive from Gears to Wheels	Transmission shaft with two joints of equal angular velocity	
Front Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 185 mm	
Rear Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 180 mm	
Front/Rear Brake	Disk, hydraulic	
Fuel Tank Capacity, l	30	
Front Tires	AT26x8-12, AT26x9-12, AT26x10-12, AT27x8-12, AT27x9-12, AT27x10-12	
Rear Tires	AT26x10-12, AT26x11-12, AT26x12-12, AT27x10-12, AT27x11-12, AT27x12-12	
Front / Rear Wheel Discs	Light alloy 12"	
Overall Size (L/W/H) no more, mm	2400×1356×1510	
Wheelbase, mm	1550±10	
Clearance, mm	300 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm)	
Curb / Gross Weight, kg	410 / 642	
Track of skis, mm	3700	
Luggage Rack (Front / Rear)	+ / +	+ / +
PE3.5 Winch with Cable	+	+
Passenger Seat	+	+
Aluminum Underbody Protection	+	+
Wheel Arch Expander	+	+
Power Bumper (Front / Rear)	+	+
Electric Power Steering	+	+
Additional Exhaust Radiator	-	+
Hitch for the square	+	+





ATV 800G **STELS**
GUEPARD

800 cm³

67 hp

30 l

STELS ATV 800G



TECHNICAL SPECIFICATIONS	GUEPARD ST EFI	GUEPARD TROPHY EFI	GUEPARD TROPHY PRO EFI	GUEPARD TROPHY EFI EPS	GUEPARD TROPHY PRO EFI EPS
Frame	Steel welded pipe		Steel welded pipe		
Engine Type	2 Cylinders, 4-Stroke, liquid cooling, 800 cm ³		2 Cylinders, 4-Stroke, liquid cooling, 800 cm ³		
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92		Injection, Fuel Octane Rating not less than 92		
Ignition System	Electronic Control Unit (ECU) "DELPHI"		Electronic Control Unit (ECU) "DELPHI"		
Starter	Electric		Electric		
Max. Power HP/KW (rpm)	67/50 (6000)		67/50 (6000)		
Max. Torque Nm (rpm)	73/5000		73/5000		
Design speed (km/h)	90		90		
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R-P) with 2WD/4WD/4WD Lock operation mode		V-belt variable-speed drive (CVT) (L-H-N-R-P) with 2WD/4WD/4WD Lock operation mode		
Drive from Engine to Gearboxes	Cardan shaft		Cardan shaft		
Drive from Gears to Wheels	Transmission shaft with two joints of equal angular velocity		Transmission shaft with two joints of equal angular velocity		
Front Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 185 mm		Independent, double-lever, with spring-hydraulic shock absorbers, 185 mm		
Rear Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 180 mm		Independent, double-lever, with spring-hydraulic shock absorbers, 180 mm		
Front/Rear Brake	Disk, hydraulic		Disk, hydraulic		
Fuel Tank Capacity, l	30		30		
Front Tires	AT26x8-12, AT26x9-12, AT26x10-12, AT27x8-12, AT27x9-12, AT27x10-12, AT28x8-12, AT28x9-12, AT28x10-12, 230/80-R12		AT26x8-12, AT26x9-12, AT26x10-12, AT27x8-12, AT27x9-12, AT27x10-12, AT28x8-12, AT28x9-12, AT28x10-12, 230/80-R12		
Rear Tires	AT26x10-12, AT26x11-12, AT26x12-12, AT27x10-12, AT27x11-12, AT27x12-12, AT28x10-12, AT28x11-12, AT28x12-12, 280/65-12		AT26x10-12, AT26x11-12, AT26x12-12, AT27x10-12, AT27x11-12, AT27x12-12, AT28x10-12, AT28x11-12, AT28x12-12, 280/65-12		
Front / Rear Wheel Discs	Light alloy 12"		Light alloy 12"		
Overall Size (L/W/H) no more, mm	2400×1356×1510		2400×1356×1510		
Wheelbase, mm	1550±10		1550±10		
Clearance, mm	300 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm, AT28 - +25 mm)		300 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm, AT28 - +25 mm)		
Curb / Gross Weight, kg	410 / 642		410 / 642		
Track of skis, mm	3700		3700		
Luggage Rack (Front / Rear)	-/+	+/+	+/+	+/+	+/+
PE3.5 Winch with Cable	-	+	+	+	+
Passenger Seat	-	+	+	+	+
Underbody Protection	Plastic	Aluminum	Aluminum	Aluminum	Aluminum
Wheel Arch Expander	-	+	+	+	+
Power Bumper (Front / Rear)	-/-	+/+	+/+	+/+	+/+
Electric Power Steering	-	-	-	+	+
Additional Exhaust Radiator	-	-	+	-	+
Hitch for the square	-	+	+	+	+

ATV 650G **STELS**
GUEPARD



650 cm³

51 hp

30 l



STELS ATV 650G



TECHNICAL SPECIFICATIONS	GUEPARD ST EFI	GUEPARD TROPHY EFI	GUEPARD TROPHY EFI EPS
Frame	Steel welded pipe		
Engine Type	2 Cylinders, 4-Stroke, liquid cooling, 650 cm ³		
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92		
Ignition System	Electronic Control Unit (ECU) "DELPHI"		
Starter	Electric		
Max. Power HP/KW (rpm)	51/38 (6200)		
Max. Torque Nm (rpm)	60/5000		
Design speed (km/h)	90		
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R-P) with 2WD/4WD/4WD Lock operation mode		
Drive from Engine to Gearboxes	Cardan shaft		
Drive from Gears to Wheels	Transmission shaft with two joints of equal angular velocity		
Front Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 185 mm		
Rear Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 180 mm		
Front/Rear Brake	Disk, hydraulic		
Fuel Tank Capacity, l	30		
Front Tires	AT26x8-12, AT26x9-12, AT26x10-12, AT27x8-12, AT27x9-12, AT27x10-12, AT28x8-12, AT28x9-12, AT28x10-12, 230/80-R12		
Rear Tires	AT26x10-12, AT26x11-12, AT26x12-12, AT27x10-12, AT27x11-12, AT27x12-12, AT28x10-12, AT28x11-12, AT28x12-12, 280/65-12		
Front / Rear Wheel Discs	Light alloy 12"		
Overall Size (L/W/H) no more, mm	2400×1356×1510		
Wheelbase, mm	1550±10		
Clearance, mm	300 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm)		
Curb / Gross Weight, kg	410 / 642		
Track of skis, mm	3700		
Luggage Rack (Front / Rear)	-/+	+/+	+/+
PE3.5 Winch with Cable	-	+	+
Passenger Seat	-	+	+
Underbody Protection	Plastic	Aluminum	Aluminum
Wheel Arch Expander	-	+	+
Power Bumper (Front / Rear)	-/-	+/+	+/+
Electric Power Steering	-	-	-
Hitch for the square	-	+	+

ATV STELS LEOPARD



STELS LEOPARD

ATV STELS LEOPARD is a combination of cross-country capability, practicality, and comfort. Small and easy to manage, STELS LEOPARD will become an indispensable device in the garage for off-road driving enthusiasts. ATV is suitable for traveling and country trips, hunting and fishing trips and even agricultural activities.

STELS LEOPARD became the first ATV produced entirely in Russia. At the moment, Velomotors avoid using Chinese components and spare parts. Everything is produced in Russia and for Russian off-road settings, taking into account the features of operation, climate, and terrain.

STELS LEOPARD is a reliable and durable ATV. The release of a new model — STELS LEOPARD with an extended base — opens up new possibilities. Now you can go on a trip or fishing trip together; the passenger will be seated in the back seat with maximum comfort and safety.

The basis of confident operation is a durable and reliable frame and suspension, thanks to which overcoming impassable obstacles will become a pleasant trip. The ATV is equipped with a compact and informative dashboard. Maneuverability and stability will be a welcome surprise for you. STELS LEOPARD enters sharp turns perfectly and easily conquers the highest peaks.



ATV 500Y **STELS**
LEOPARD



ATV 600Y **STELS**
LEOPARD



ATV 650Y **STELS**
LEOPARD

622 cm³

42 hp

14 l



STELS ATV LEOPARD



TECHNICAL SPECIFICATIONS	LEOPARD 500 ST		LEOPARD 500 YS	LEOPARD 600 Y	LEOPARD 600 YL	LEOPARD 650 YS	LEOPARD 650 YL
Frame	Steel welded pipe			Steel welded pipe			
Engine Type	1 Cylinder, 4-Stroke, liquid cooling			1 Cylinder, 4-Stroke, liquid cooling			
Engine Capacity, cm³	493			594		622	
Fuel Delivery System	Gasoline, Fuel Octane Rating not less than 92			Gasoline, Fuel Octane Rating not less than 92		Injection, Fuel Octane Rating not less than 92	
Ignition System	Contactless electronically-controlled (CDI)			Contactless electronically-controlled (CDI)		Electronic Control Unit (ECU) "DELPHI"	
Starter	Electric/Hand			Electric/Hand			
Max. Power HP/KW (rpm)	37/27 (6000)			39/29 (6000)		42/31 (6000)	
Max. Torque Nm (rpm)	51 (5000)			56 (5000)		60 (5000)	
Design speed (km/h)	85			85			
Adherence	Centrifugal, automatic, in an oil bath			Centrifugal, automatic, in an oil bath			
Transmission Type	Mechanical with V-belt variable-speed drive (CVT) (L-H-N-R) with 2WD/4WD/4WD Lock operation mode			Mechanical with V-belt variable-speed drive (CVT) (L-H-N-R) with 2WD/4WD/4WD Lock operation mode			
Drive from Engine to Gearboxes	Cardan shaft			Cardan shaft			
Drive from Gears to Wheels	Transmission shaft with two joints of equal angular velocity			Transmission shaft with two joints of equal angular velocity			
Front Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 165 mm			Independent, double-lever, with spring-hydraulic shock absorbers, 165 mm			
Rear Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 170 mm			Independent, double-lever, with spring-hydraulic shock absorbers, 170 mm			
Front/Rear Brake	Disk, hydraulic / Disk, hydraulic			Disk, hydraulic / Disk, hydraulic			
Fuel Tank Capacity, l	14			14			
Front Tires	AT25x9-12		AT26x9-12	AT26x9-12			
Rear Tires	AT25x10-12	AT26x10-12		AT26x10-12			
Front / Rear Wheel Discs	Pressed 12"			Light alloy 12"			
Overall Size (L/W/H) no more, mm	2240×1155×1440			2240×1155×1440	2340×1155×1440	2240×1155×1440	2340×1155×1440
Wheelbase, mm	1365			1365	1465	1365	1465
Clearance, mm	290 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm, AT28 - +25 mm)			290 (clearance is indicated for ATV on AT26 tires. AT27 - +12 mm, AT28 - +25 mm)			
Curb Weight not more, kg	400			400			
Track of skis, mm	3200			3200			
Luggage Rack (Front / Rear)	+/+	+/+		+/+	+/+	+/+	+/+
PE3.5 Winch with Cable	-	+		+	+	+	+
The Back of the Passenger	-			+	+	+	+
Underbody Protection	Plastic			Plastic			
Hitch for the square	-	-		-	+	-	+
Hitch for the sphere	-	+		+	-	+	-

**STELS**
ATV 100RS**STELS**
ATV 300 B

STELS ATV 100RS

ATV STELS ATV 100RS is designed for children and teenagers from 5 to 14 years. This model will allow your child to feel like a professional adult rider, while you can be sure about the safety of the young pilot.

The model is available in several colors, has a stylish design, and plastic body kits to protect your racing driver from splashes. This ATV is designed to drive on both country roads and forest roads. Improved front suspension ensures good adherence with road.

There is no reason for concern for the safety of young ATV drivers, because STELS ATV 100RS has high stability and reliability indicators. The advanced brake system with hydraulic drive will maintain the stability of the ATV even during heavy braking, and the special design of the wheelbase protects the vehicle from overturning. Also safety is ensured by a system of stroke limitation and turning off the engine in case of control issues.

STELS ATV 300 B

STELS ATV 300B is a budget ATV for picnics, country trips, and easy off-road rides. It feels rather well in snow and mud, but its main purpose is helping with chores. Cargo transportation, snow clearance and other household chores are just within the scope of this hard worker's abilities. With proper operation, an ATV can faithfully serve its owner for many years.





STELS
ATV 300 B

276 cm³

14 hp

14,5 l

STELS
ATV 100 RS

95,6 cm³

8 hp

142 kg



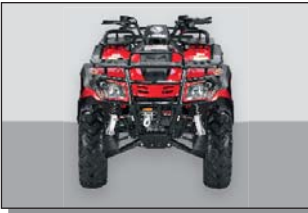
STELS ATV 300 B



STELS ATV 100 RS



TECHNICAL SPECIFICATIONS	STELS ATV 300 B
Frame	Steel welded pipe
Engine Type	1 Cylinder, 4-Stroke, liquid cooling, 276 cm ³
Max. Power HP/KW (rpm)	14/11 (6000)
Max. Torque Nm (rpm)	19,0 (5000)
Fuel Delivery System	Gasoline, Fuel Octane Rating not less than 92
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R-P) with 2WD/4WD operation mode
Adherence	Centrifugal, dry
Drive from Engine to Gearboxes	Front wheels - cardan shaft, rear wheels - cardan shaft
Starter	Electric
Front Suspension Type	Independent, with spring-hydraulic shock absorbers, 160 mm
Rear Suspension Type	Independent, double-lever, with spring-hydraulic shock absorbers, 180 mm
Front/Rear Brake	Disk, hydraulic
Fuel Tank Capacity, l	14,5
Front / Rear Tires	AT 25×8"-12" / AT 25×10"-12"
Front / Rear Wheel Discs	Light alloy or Pressed
Overall Size (L/W/H), mm	2015×1180×1237 / 827
Wheelbase, mm	1280
Clearance, mm	Not less than 245
Dry weight, kg	281
Luggage Rack (Front / Rear)	+/+
Winch	+
Power Bumper (Front / Rear)	+/-



TECHNICAL SPECIFICATIONS	STELS ATV 100 RS
Frame	Steel welded pipe
Engine Type	1 Cylinder, 2-Stroke, air cooling
Engine Capacity, cm ³	95,6
Max. Power HP/KW (rpm)	7,9 (7500)
Max. Torque Nm (rpm)	8,5 (4500)
Fuel Delivery System	Gasoline, Fuel Octane Rating not less than 92
Transmission Type	V-belt variable-speed drive (CVT) (F-N-R) with 2WD operation mode
Adherence	Centrifugal, dry
Main gear	Rear wheel roller chain
Starter	Electric, kickstarter
Front Suspension Type	Independent, double-lever with spring-hydraulic shock absorbers
Rear Suspension Type	Pendulum plug with one spring-hydraulic shock absorber
Front/Rear Brake	Disk, hydraulic / Disk, hydraulic
Fuel Tank Capacity, l	9,1
Front / Rear Tires	AT 21×7"-10" / AT 21×8"-10"
Front / Rear Wheel Discs	Light alloy, Pressed
Overall Size (L/W/H), mm	1580×970×1150
Wheelbase, mm	1100
Dry weight, kg	142
Mirrors	+



SNOWMOBILES



STELS VIKING^{EDITION} 2.0



STELS VIKING 2.0

STELS VIKING, which has proven itself in many long expeditions in the harsh northern latitudes, can rightly be considered the master of the Russian winter. Good control and well-thought-out design allow the snowmobile to overcome easily any distance.

Its frame is made of high-quality Russian steel, and the body is made of impact-resistant elastic plastic, which does not lose its properties even in the most severe frost. Wide windshield made of safety material and having excellent plasticity perfectly protects the pilot from snow and wind. Comfortable seat provides maximum comfort during the trip. Control buttons made in a modern style make it possible to switch them when wearing thick gloves. Curved ends of the steering wheel and anti-slip handles provide a good adherence and prevent slipping even when driving a snowmobile in difficult conditions of a wide roll.

Continuous improvement and moving forward are the key principles of Velomotors work. In 2018, the engineers and developers of Velomotors worked a lot to modernize this model. Many components of this powerful utilitarian snowmobile have been strengthened and refined. STELS VIKING v2.0 is ready for any trials, be it traveling in the endless expanses of the North, hard chores or hunting and fishing trips.





STELS VIKING 2.0



TECHNICAL SPECIFICATIONS	VIKING 800 v2.0	VIKING 600 v2.0	VIKING 600 ST v2.0
Frame	Steel sheet, riveted and welded		
Engine Type	2 Cylinders, 4-Stroke, liquid cooling	2 Cylinders, 2-Stroke, air cooling	
Engine Capacity, cm³	800	565	
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92	Gasoline, Fuel Octane Rating not less than 92	
Ignition System	Electronic Control Unit ECU	Electronic Control Unit (CDI)	
Starter	Electric/Hand		
Max. Power HP/KW (rpm)	67 / 50 (6000)	54 / 40 (6500)	
Max. Torque Nm (rpm)	73 (5000)	60 (6500)	
Design speed (km/h)	80	70	
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R)		
Main Gear	Gear		
Front Suspension Type	Extendable, with spring-hydraulic shock absorbers, 150 mm		
Rear Suspension Type	Slide, with spring-hydraulic shock absorbers, 170 mm		
Track (length / width / grouser height), mm	3937×600×22		
Brake	Disk, hydraulic		
Fuel Tank Capacity, l	45		
Overall Size (L/W/H), mm	3170×1130×1415 (± 40 mm)		
Dry Weight, kg	370	345	339
Gross Weight, kg	610		
Track of skis, mm	5000		
Trailer Weight, kg	500		
Windshield	Optionally		
Passenger Seat	+	+	-



STELS
ЕРМАК

STELS ERMAK

ERMAK is designed especially for those regions where snowmobiles with two skis and two tracks are traditionally used. STELS ERMAK will satisfy both lovers of winter hunting and fishing, as well as those who use equipment for household chores, transportation of heavy loads, driving in extreme conditions in winter.

Design features like one ski and two tracks endow the ERMAK snowmobile with increased cross-country capability and maneuverability. Deep and loose snow with ice ridges will not become obstacles for this tundra explorer, because the plastic underbody of the snowmobile is strengthened and optimized in shape. The snowmobile is based on a model frame with a steel middle edge. A ski in the middle makes it easy to maneuver between trees.

Compared with similar models, ERMAK has a more powerful engine and gains a higher speed; fuel tank is twice more voluminous; the transmission has a low gear; gearbox – gear, without a chain; hydraulic brake mechanism; rear suspension with gas-hydraulic shock absorbers; ski on the telescopic stand. Also, STELS ERMAK has a modern design, comfortable seats, and the option of heating the steering wheel and the gas trigger, which will make the trip as comfortable as possible.





STELS
ERMAK

800 cm³

54 hp

54+28 l



STELS ERMAK



TECHNICAL SPECIFICATIONS	ERMAK 800L	ERMAK 600S	ERMAK 600L
Frame	Pipe, with pressed elements, riveted and welded		
Engine Type	2 Cylinders, 4-Stroke, liquid cooling		2 Cylinders, 2-Stroke, air cooling
Engine Capacity, cm³	800	565	
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92		Gasoline, Fuel Octane Rating not less than 92
Ignition System	Electronic Control Unit ECU	Electronic Control Unit (CDI)	
Starter	Electric/Hand		
Max. Power HP/KW (rpm)	54 / 41 (6750)	51 / 38 (6500)	
Max. Torque Nm (rpm)	65 / 4500	55 / 6000	
Design speed (km/h)	80		
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R)		
Main Gear	Gear		
Front Suspension Type	Extendable, with spring-hydraulic shock absorbers, 150 mm		
Rear Suspension Type	Rail-tracked, roller, with spring-hydraulic shock absorbers, 190 mm		
Track (length / width / grouser height), mm	2 pcs 4040×380×17,5	2 pcs 3232×380×17,5	2 pcs 4040×380×17,5
Brake	Disk, hydraulic		
Fuel Tank Capacity, l	54 + 28 (optional)		
Overall Size (L/W/H), mm	3170×1020×1560 (±40 mm)	2820×1020×1560 (±40 mm)	3170×1020×1560 (±40 m)
Dry Weight, kg	370	320	345
Gross Weight, kg	670	620	645
Track of skis, mm	5000		
Trailer Weight, kg	500		
Windshield	Additional, sold separately		
Passenger Seat	Additional, sold separately		
Pannier	Additional, sold separately		
Stabilizer	Optionally	—	Optionally



STELS MOROZ



STELS MOROZ

MOROZ is distinguished by its simple and reliable design and a high level of maintainability. Built according to the "one ski - two tracks" scheme, it is indispensable in the harsh conditions of the tundra and forest tundra; it is excellent for riding through dense underbrush. Due to the large track area and low specific ground pressure, MOROZ easily overcomes deep snowdrifts and is able to tow heavy sledges. The design of the snowmobile is simple and reliable. The rich experience of operating two-track snowmobiles in Russia allowed creating a design that was almost devoid of the disadvantages inherent to competitors.

MOROZ is available in the "short" and "long" versions. The snowmobile is equipped with a powerful two-stroke air-cooled engine with two carburetors. The rear suspension has a traditional spring-balanced design, which allows you to operate this snowmobile in conditions of poor snow cover.

The ergonomics of the driver's place meets the most modern requirements. High mounted seat and sloping front wall of the tunnel provide a comfortable fit. The steering wheel is equipped with heated handles and gas trigger. The steering mechanism has a modern design, reduced levels of vibration and backlash. A powerful generator provides a positive balance of the power system, bright light and reliable engine start, even at very low temperatures.





STELS
MOROZ

565 cm³

49 hp

30 l



STELS MOROZ



TECHNICAL SPECIFICATIONS	MOROZ 600S	MOROZ 600L
Frame	Steel, pipe, with pressed elements, riveted and welded	
Engine Type	2 Cylinders, 2-Stroke, air cooling	
Engine Capacity, cm ³	565	
Fuel Delivery System	Gasoline (x2), Fuel Octane Rating not less than 92	
Ignition System	Electronic Control Unit (CDI)	
Starter	Electric/Hand	
Max. Power HP/KW (rpm)	49/36 (6000)	
Max. Torque Nm (rpm)	60 (5600)	
Design speed (km/h)	Not less than 70	
Transmission Type	V-belt variable-speed drive (CVT) (D-N-R)	
Main Gear	Chain	
Front Suspension Type	Elliptic spring, 50 mm	
Rear Suspension Type	Independent, spring-balanced, 50 mm	
Oil system	Combined with fuel	
Head light	Halogen, 55/60	
Track (length/width / grouser height), mm	2 pcs 2878×380×17,5	2 pcs 3686×380×17,5
Brake	Disk, hydraulic	
Fuel Tank Capacity, l	30	
Overall Size (L/W/H), mm	2640±30×910±20×1475±40	3055±30×910±20×1475±40
Dry Weight, kg	290	320
Track of skis, mm	Not less than 6000	
Trailer Weight, kg	300	500
Hitch	+	+
Passenger Seat	+	+
Steering handle and gas trigger heating	+	+
Trunk	+	+
Carts Turnover Restraints	+	+



STELS ВІТЯЗЬ



STELS VITYAZ

VITYAZ is the first Russian-made utilitarian tourist STELS brand snowmobile. For the first time in STELS snowmobiles, a light and hard aluminum frame was used. The modern lever suspension of skis provides excellent controllability and the rear suspension with two gas-oil shock absorbers and a 340 mm stroke has excellent power consumption. The snowmobile is equipped with a specially designed track 500 mm wide and a grouser 38 mm high. Such an optimal ratio of parameters allows the snowmobile not to fall into the deep, loose snow, to confidently get a move on and, at the same time, be easy and precise to drive.

The ergonomics of the snowmobile is designed for an active drive style: the steering wheel is mounted on a high spacer, the handles have curved edges, and it is convenient to use the new large buttons even in thick gloves. Altogether, it provides ease of operation, maneuverability and a high level of comfort.

STELS VITYAZ has a modern and powerful four-cycle liquid-cooled engine equipped with fuel injection. The power of this V-shaped engine is 62 hp. The cooling system with two radiators (air and snow) provides a stable temperature mode of the motor operation in all conditions. VITYAZ is indeed a universal snowmobile. It is able to take long-distance autonomous trips due to high fuel efficiency, and the excellent traction characteristics of the engine make it easy to tow sledges or sleighs with cargo. This snowmobile is perfect for traveling, weekend trips, and active skiing.





STELS
Витязь

800 cm³

62 hp

50 l



STELS VITYAZ

TECHNICAL SPECIFICATIONS	VITYAZ SA800
Frame	Aluminum, pipe, riveted and welded
Engine Type	2 Cylinders, 4-Stroke, liquid cooling
Engine Capacity, cm ³	800
Fuel Delivery System	Injection, Fuel Octane Rating not less than 92
Ignition System	Electronic Control Unit CDI
Starter	Electric/Hand
Max. Power HP/KW (rpm)	62 / 46 (6750)
Max. Torque Nm (rpm)	68 (4500)
Design speed (km/h)	100
Transmission Type	V-belt variable-speed drive (CVT) (L-H-N-R)
Main Gear	Gear
Front Suspension Type	Two-lever, A-shaped lever, 215 mm
Rear Suspension Type	Slide, spring-hydraulic shock absorbers, 380 mm
Track (length / width / grouser height), mm	3920×500×38
Brake	Disk, hydraulic, mounted on the drive shaft
Fuel Tank Capacity, l	50
Overall Size (L/W/H), mm	3236±30×1235±20×1450±40
Design Weight, kg	320
Track of skis, mm	Not more than 4000
Trailer Weight, kg	250
Windshield	+
Passenger Seat	+





STELS KAPITAN

STELS KAPITAN is a compact snowmobile for those who love entertainment and outdoor activities, fishing trips and hunting.

This is a reliable and reasonably priced snowmobile with a long fuel distance and good adherence on icy surfaces. Having a small size, the snowmobile is very maneuverable. This model, for the most part, is designed to drive on the current and shallow snow. Installed 150 cubic four-stroke engine confidently copes with loads and allows you to tow loads of sufficiently large mass. Flowing shape, modern construction, bright, catchy and aggressive design, excellent exterior will not leave anyone indifferent.

KAPITAN is simply controlled on almost any surface, unpretentious in operation and universal in purpose. Trips for hunting and fishing, entertainment with family and children, active leisure, help with household chores — this snowmobile is perfect for any task.





149 cm³

9 hp

12 l

STELS KAPITAN



TECHNICAL SPECIFICATIONS	KAPITAN S150
Frame	Combined, pipe, pressed and welded front part
Engine Type	4-Stroke
Engine Capacity, cm ³	149
Fuel Delivery System	Gasoline, Fuel Octane Rating not less than 92
Ignition System	Contactless
Starter	Electric/Hand
Max. Power HP/KW (rpm)	9,39 / 7 / (7500)
Max. Torque Nm (rpm)	9,8 (6000)
Design speed (km/h)	Not less than 40
Transmission Type	Variable-speed drive, forward, reverse, neutral
Main Gear	Gear ratio of chain drive 1
Front Suspension Type	Two-lever, A-shaped lever, 100 mm
Rear Suspension Type	Slide, pendulums with gas-hydraulic shock absorbers, 120 mm
Track (length / width / grouser height), mm	2626×380×25
Brake	Disk, hydraulic
Fuel Tank Capacity, l	12
Overall Size (L/W/H), mm	2675±30×1090±20×1075±40
Design Weight, kg	150
Track of skis, mm	Not more than 5000
Trailer Weight, kg	150
Windshield	+
Passenger Seat	+





www.stelsoffroad.com



vk.com/stelsatvsmb



fb.com/stelsatvsmb



ok.ru/stelsatvsmb



instagram.com/stels_atv_smb