







SPECIAL-PURPOSE MACHINES ON THE BASIS OF GENERAL-PURPOSE TRACTOR UNITS «KIROVETS»

Petersburg Tractor Plant manufactures a wide range of special-purpose machines on the basis of general-purpose modules «KIROVETS». A considerable set of operating equipment ensures high functionality and allows maximum loading of machines within a year. For the certain task of the Customer we can propose not only individual configuration of commercial machines, but also develop and manufacture single-purpose machines.

SPECIAL-PURPOSE MACHINES	Operating Weight, t	Engine, Model, Power, hp	Transmission	Maximum Travelling Speed, km/h	Overall Dimensions in Operating Position L x W x H, mm	Equipment*
 K-708-AS4-100 welding machine	15.0	Cummins 6CTA8.3-C240 240 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	30.0	9,800 x 2,500 x 3,500	Welding equipment. Quantity of welding stations – 4 pcs. AC power supply – BG-100 (100 kW). Boom for operation with shelter for booth. Swing angle – 180°.
 K-708.1-04-OP support carrier	18.0	Cummins 6CTA8.3-C240 240 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	30.0	Up to 10,000 x 3,160 x 4,200	Support carrying and bulldozing equipment.
 K-708.1-0S1 snow-cleaning machine	14.0	Cummins 6CTA8.3-C240 240 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	30.0	7,000 x 2,500 x 3,600	Attachable rotary snow-cleaning machine. Capacity – up to 1,200 t/h. Width of cleaned strip – 2.5 m. The general-purpose unit is equipped with turning control post and can be used for other operations. By the request the machine can be equipped with bulldozing equipment.
 K-703MA-AS4-100 / K-703M-AS8-200 welding machines	17.0 / 19.6	YaMZ-238ND3-2 / TMZ 8481.10 235 / 350 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	30.0 / 33.8	Up to 9,800 x 3,000 x 3,900	Welding equipment. Quantity of welding stations – 4 / 8 pcs. AC power supply – BG-100 (100 kW) / BG-200 (200 kW). Boom for operation with shelter for booth or boom with hook for booth. Boom swing angle – 180°.
 K-703MA-12-OP support carrier	20.0	YaMZ-238ND4 250 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	33.8	Up to 10,480 x 3,160 x 5,800	Support carrying and bulldozing equipment.
 K-703MA-0S2 snow-cleaning machine	20.0	YaMZ-238ND3-2 235 hp	PTZ, mechanical with four-mode gearbox (16F/8R)	30.0	10,500 x 3,360 x 3,620	Rotary snow-cleaning equipment. Capacity – 1,200 t/h. Width of cleaned strip – 3.1 m. Bulldozing equipment.

*Configuration can be changed by the Customer's request. Parameters are specified only for some configurations.

Information about products has reference nature and is not public offer specified in Article 437 of the Civil Code of the Russian Federation. The manufacturer reserves the right to change configuration and specifications of the products without prior notification. Contact with the sales department of the Company and its official dealers to obtain detailed information about configuration and prices for machines «KIROVETS».

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KIROVETS®

Closed Joint-Stock Company «Petersburg Tractor Plant» (PTZ) is a subsidiary of Joint-Stock Company «Kirovsky Plant», the largest and only legal Russian manufacturer of agricultural wheeled tractors and industrial equipment under the brand name of «KIROVETS». Our products are mainly purposed for agricultural producers, mining and construction companies and utility enterprises. The main advantages of «KIROVETS» are: self designed classical articulated frame, high power, four-wheel drive, reliable reinforced structure, excellent serviceability, ease of operation and all at an attractive price.

«KIROVETS» AGRICULTURAL TRACTORS OF THE K-744R RANGE

They are designed for primary and secondary tillage, effective operation with wide-coverage seeding systems and other up-to-date units. The range of K-744R is represented by several models with different engine power and equipping levels.

KIROVETS tractors of the K-744R range can be used not only in agriculture, but also in many other applications.



Model	K-744R1	K-744R2	K-744R3	K-744R4	K-744R1	K-744R2	K-744R3	K-744R4
Level	Standard				Premium			
Engine	YaMZ-238ND5	TMZ-8481.10	TMZ-8481.10-02	TMZ-8481.10-04	Cummins 6LTA8.9	Mercedes-Benz OM 457 LA E2/4	Mercedes-Benz OM 457 LA E2/3	Mercedes-Benz OM 457 LA E2/2
Rated power, hp (kW)	300 (220)	350 (257)	390 (287)	420 (309)	306 (225)	354 (260)	401 (295)	428 (315)
Displacement, l	14.86	17.24			8.9	11.97		
Length (with raised hitch) / width / height, mm	7,100 / 2,865 / 3,845	7,350 / 2,875 / 3,876			7,100 / 2,865 / 3,845	7,350 / 2,875 / 3,876		
Operating weight on single wheels, kg	14,900	15,680	17,500	17,500	14,370	15,220	17,000	17,000
Hydraulic system	Load sensing (LS-) system: variable displacement axial piston pump, five stack control valve group, four pairs of free-flow outlets (hydraulic lines) with flow control, free-flow draining lines. Maximum pump capacity – 180 l/min							
Fuel tank volume	800 l							
Agricultural hitch	Unique design, III rd and IV th categorie							



ATTACHABLE SILAGE RAM TSN-5 «KIROVETS»

- Type – attachable implement
- Operating weight – 5 t
- Tractor power – from 250 hp
- Category of suspension gear – IIIrd or IVth
- Silage mass compaction – up to 750 kg/m²

ALL-PURPOSE TRACTOR «KIROVETS» K-703M-12-03.2

Scope of use: tillage and sowing, transportation and loading operations, road maintenance and repair operations, including snow cleaning.

- Operating weight – up to 21 t
- Engine – TMZ 8481.10
- Power – 350 hp
- Transmission – PTZ, mechanical



The machine is equipped with a IVth category agricultural hitch, hydraulic pick-up hitch, draft, three stack control valve group (one stack – for agricultural hitch, two stacks – spare) and hydraulic gear pump. The design provides for the ability to install a dozer blade and loader shovel.

FRONT WHEEL-MOUNTED LOADERS «KIROVETS»

They are designed for handling operations with bulk and lump materials and earthmoving operations. Wheel-mounted loaders «KIROVETS» are high-performance, general-purpose and precision while operation.



KIROVETS K-702MA-PK-6

- ✔ Lifting capacity – 6 t
- ✔ Engine – YaMZ-238ND3-2
- ✔ Power – 235 hp
- ✔ Operating cycle – 18 s
- ✔ Transmission – PTZ, mechanical with hydraulic transformer
- ✔ Bucket control – using levers



K-702MA-LPK-6 modification: The loader is equipped with clamp instead of bucket that allows using the loader as stocking machine while handling operations in the log dumps, logging, floating and wood processing enterprises.

GENERAL-PURPOSE ROAD-BUILDING MACHINES «KIROVETS»

They combine functions of loader and bulldozer. They are designed for handling operations with bulk and lump materials, excavation and earth moving, trenching, erection of embankments, backfilling, road laying and clearance.

KIROVETS K-702MVA-UDM2



KIROVETS K-708UDM



Specifications	K-702MVA-UDM2	K-708UDM
Operating weight, kg	23,000	22,000
Overall dimensions, mm	10,250 x 3,360 x 3,785	10,550 x 3,160 x 3,740
Engine	YaMZ-238ND3-2	YaMZ-238ND5
Rated engine power, kW (hp)	173 (235)	220 (300)
Volume of fuel tank, l	320	600
Gearbox	Mechanical, double-mode, reversing, four-speed with hydraulic hydraulic gear shifting	ZF 4 WG-190 / PTZ
Hydraulic transformer	Single-stage (separate assembly unit)	Single-stage
Driving axles	PTZ	ZF / PTZ
Hydraulic cycle, s	21.5	12
Speed, km/h: travelling, max	30	31.4
Rated bucket lifting capacity, t	6	7
Bucket volume, m ³	3.5	4.1
Width (in bulldozer position) x dump height, mm	3,360 x 1,100	3,160 x 1,100
Operating conditions	From +40 °C to -40 °C	

WHEELED BULLDOZER «KIROVETS»

They are used for construction, maintenance and repair of motor roads (earth, process, logging, snow, etc.), in mining industry, while trenching and erection of embankments, for debris clearing in case of building failure and demolition, etc.

The main advantage of wheeled bulldozers over tractor-mounted ones is high traveling speed (up to 30 km/h) allowing immediately carrying it over from various bulldozing operations (layer-by-layer cutting and excavating, leveling, planning, transportation of rocks, soil and bulk materials).



KIROVETS K-702MBA-01-BKU

- ✔ Operating weight – 20.8 t
- ✔ Engine – YaMZ-238ND3-2
- ✔ Power – 235 hp
- ✔ Transmission – PTZ, mechanical with hydraulic transformer
- ✔ Blade width, bulldozer/grader position – 3,650 / 3,300 mm

KIROVETS K-702MBA-01-BKU-03 (OPEN-PIT BULLDOZER)

- ✔ Engine – YaMZ-238ND3-2
- ✔ Power – 235 hp
- ✔ Transmission – PTZ, mechanical with hydraulic transformer
- ✔ Reinforced bulldozer blade 3,650 x 1,300 mm, made of HARDOX steel
- ✔ Tyres 29.5/75R25 with open-pit tread pattern



GENERAL-PURPOSE TRACTOR UNITS «KIROVETS»

The machines are used directly as tractor or tractive unit, as well as used as transportation and power supply base to create variation machines on mechanization of road-building, agricultural, logging and other works.

KIROVETS K-708

They can be used under conditions of roadless terrain and on public roads.

- ✔ Operating weight – 12 t
- ✔ Engine – Cummins 6CTA8.3-C215 / Cummins 6CTA8.3-C240
- ✔ Power – 215 hp / 240 hp
- ✔ Transmission – ZF / PTZ
- ✔ Width – 2,500 mm
- ✔ Travelling speed – up to 48 km/h



KIROVETS K-703M(A)-12

Distinctive features of these units is maneuverability, good cross-country ability and large pulling force.

The tractor units can be equipped with attachable three-point, towing hitches or fifth wheels.

- ✔ Operating weight – 15,4 t / 15,1 t
- ✔ Engine – YaMZ-238ND4 / TMZ 8481.10
- ✔ Power – 250 hp / 350 hp
- ✔ Transmission – PTZ, mechanical
- ✔ Width – 2,975 mm