Petersburg Tractor Plant manufactures a wide range of special-purpose tractor units «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 ON THE BASIS OF GENERAL-PURPOSE TRACTOR UNITS «KIROVETS»**

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».

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».

**KIROVSKY ZAVOD**

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.

**KIROVSKY ZAVOD**

**SPECIAL-PURPOSE MACHINES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Weight, t</th>
<th>Engine, Model, Power, hp</th>
<th>Transmission</th>
<th>Maximum Drawbar Pull, kg</th>
<th>Overall Dimensions, L x W x H, mm</th>
<th>Equipment*</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-708.45-150 welding machine</td>
<td>15.0</td>
<td>Cummins 6CTA8.3-C240 240 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>30.0</td>
<td>9,800 x 2,500 x 3,500</td>
<td>Welding equipment. Quantity of welding packages – 4 pcs. AC power supply – BG-100 (100 kW). Boom for operation with pistols for both. Swing angle – 180°.</td>
</tr>
<tr>
<td>K-708.1-04-0P support carrier</td>
<td>18.0</td>
<td>Cummins 6CTA8.3-C240 240 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>30.0</td>
<td>Up to 10,000 x 2,160 x 4,200</td>
<td>Support carrying and bulldozing equipment.</td>
</tr>
<tr>
<td>K-708.1-051 snow-cleaning machine</td>
<td>14.0</td>
<td>Cummins 6CTA8.3-C240 240 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>30.0</td>
<td>7,000 x 2,500 x 3,600</td>
<td>Attachable rotary snow-cleaning equipment. Capacity – up to 2,170 m³/h. Width of cleaned strips – 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.</td>
</tr>
<tr>
<td>K-707M-120 welding machines</td>
<td>17.0 / 19.6</td>
<td>YaMZ-238ND3-2 / TMZ 8481.10 235 / 350 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>30.0 / 33.8</td>
<td>Up to 9,800 x 3,000 x 3,900</td>
<td>Welding equipment. Quantity of welding stations – 4 / 8 pcs. AC power supply – BG-100 (100 kW) / BG-200 (200 kW). Boom for operation with pistols for both. Boom swing angle – 180°.</td>
</tr>
<tr>
<td>K-707M-052 snow-cleaning machine</td>
<td>20.0</td>
<td>YaMZ-238ND4 250 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>33.8</td>
<td>Up to 10,480 x 2,160 x 4,500</td>
<td>Support carrying and bulldozing equipment.</td>
</tr>
<tr>
<td>K-707M-051 welding machines</td>
<td>20.0</td>
<td>YaMZ-238ND2-3 235 hp</td>
<td>PTZ, mechanical with four-mode gearbox (16F/8R)</td>
<td>36.0</td>
<td>10,500 x 3,360 x 3,620</td>
<td>Rotary snow-cleaning equipment. Capacity – 1,200 m³/h. Width of cleaned strips – 2.1 m. Bulldozing equipment.</td>
</tr>
</tbody>
</table>

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

**KIROVSKY ZAVOD**

**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

**Slage mass compaction** – up to 750 kg/m²

**SPECIAL-PURPOSE MACHINES**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td>YaMZ-238ND5</td>
<td>TMZ-8481.10</td>
<td>TMZ-8481.10-02</td>
<td>TMZ-8481.10-04</td>
<td>Cummins 6LTA8.9</td>
<td>Mercedes-Benz 6.25OM457LA E24</td>
<td>OM 457 LA E24</td>
<td>OM 457 LA E24</td>
</tr>
<tr>
<td><strong>Rated power, hp (kW)</strong></td>
<td>300 (220)</td>
<td>350 (257)</td>
<td>390 (287)</td>
<td>420 (309)</td>
<td>356 (255)</td>
<td>354 (250)</td>
<td>401 (295)</td>
<td>428 (315)</td>
</tr>
<tr>
<td><strong>Displacement, l</strong></td>
<td>14.86</td>
<td>14.59</td>
<td>16.50</td>
<td>15.56</td>
<td>9.9</td>
<td>11.37</td>
<td>10.0</td>
<td>13.5</td>
</tr>
<tr>
<td><strong>Length (with raised hitch) / width / height, mm</strong></td>
<td>7,100 / 2,886 / 3,845</td>
<td>7,350 / 2,875 / 3,876</td>
<td>7,100 / 2,886 / 3,845</td>
<td>7,350 / 2,875 / 3,876</td>
<td>8,9</td>
<td>11.97</td>
<td>8,9</td>
<td>11.97</td>
</tr>
<tr>
<td><strong>Operating weight on single wheels, t</strong></td>
<td>14.900</td>
<td>15.680</td>
<td>17.500</td>
<td>17.500</td>
<td>14.370</td>
<td>15.200</td>
<td>17.000</td>
<td>17.000</td>
</tr>
<tr>
<td><strong>Hydraulic system</strong></td>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fuel tank volume</strong></td>
<td>800 l</td>
<td>800 l</td>
<td>800 l</td>
<td>800 l</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Agricultural hitch</strong></td>
<td>Unique design, IIIrd and IVth categorie</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**KIROVSKY ZAVOD**

**ATTACHABLE SILAGE RAM TSN-5 «KIROVETS»**

**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.

**Type** - attachable implement

**Operating weight** – up to 21 t

**Engine** – TMZ 8481.10

**Power** – 350 hp

**Transmission** – PTZ, mechanical

The machine is equipped with a 5th category agricultural hitch, hydraulic pick-up hitch, draft, three stack control valve group (one stack – for agricultural hitch, two stacks – span) 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 stocker 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

<table>
<thead>
<tr>
<th></th>
<th>K-702MVA-UDM2</th>
<th>K-708UDM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating weight, kg</td>
<td>23,000</td>
<td>22,000</td>
</tr>
<tr>
<td>Overall dimensions, mm</td>
<td>10,250 x 3,360 x 3,785</td>
<td>10,550 x 3,160 x 3,740</td>
</tr>
<tr>
<td>Engine</td>
<td>YaMZ-238ND3-2</td>
<td>YaMZ-238ND5</td>
</tr>
<tr>
<td>Rated engine power, kW (hp)</td>
<td>173 (235)</td>
<td>220 (300)</td>
</tr>
<tr>
<td>Volume of fuel tank, l</td>
<td>320</td>
<td>600</td>
</tr>
<tr>
<td>Gearbox</td>
<td>Mechanical, double-mode, reversing, four-speed with hydraulic-hydraulic gear shifting</td>
<td>ZF 4WG-190 / PTZ</td>
</tr>
<tr>
<td>Driving axes</td>
<td>PTZ</td>
<td>ZF / PTZ</td>
</tr>
<tr>
<td>Hydraulic cycle, s</td>
<td>21.5</td>
<td>12</td>
</tr>
<tr>
<td>Speed, km/h: travelling, max</td>
<td>30</td>
<td>31.4</td>
</tr>
<tr>
<td>Rated bucket lifting capacity, t</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Bucket volume, m³</td>
<td>3.5</td>
<td>4.1</td>
</tr>
<tr>
<td>Width (in bulldozer position) x dump height, mm</td>
<td>3,360 x 1,100</td>
<td>3,160 x 1,100</td>
</tr>
<tr>
<td>Operating conditions</td>
<td>From +40 °C to –40 °C</td>
<td></td>
</tr>
</tbody>
</table>

KIROVETS K-702MA-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-702MA-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

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 travelling 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-708

- 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-708MVA (OPEN-PIT BULLDOZER)

- Operating weight – 23 t
- Engine – YaMZ-238ND3-2
- Power – 235 hp
- Transmission – PTZ, mechanical with hydraulic transformer
- Blade width, bulldozer/grader position – 3,650 / 3,300 mm
- Reinforced bulldozer blade 3,650 x 1,300 mm, made of HARDOX steel
- Tyres 29.5/75R25 with open-pit tread pattern

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 / 300 hp
- Transmission – PTZ, mechanical
- Width – 2,975 mm

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.

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 / 300 hp
- Transmission – PTZ, mechanical
- Width – 2,975 mm

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