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| Mounted disc harrow BND-1,7M |
| |  |  | | --- | --- | | **Mounted disc harrow BND-1.7M is designed for cutting layers of soil after plowing land, for seedbed preparation, after harvesting root crops.**  **Harrow is attached with tractors of class "Belarus-320" MTZ-80/82, T-40M and T-40AM and other tractors of 0.6 ... 1.4 ton unit-equipped with hydraulic system. When it’s attached with tractors of class 0.6, it’s possible to install on the tractor front-loads of 100 kg** | | | Technical characteristics | | | **Harrow’s type** | mounted | | **Productivity in 1 hour time, ha / h, not less than** | 1,36 | | **Working width, m, not less than** | 1,7 | | **Working speed, km / h** | 8-10 | | **Transportation speed, km / h** | до 20 | | **Processing depth, cm** | 8-12 | | **Disc diameter, mm** | 460 | | **Attack angle of batteries, degrees** | 9, 12,15,18, 21 | | **The distance between disks, mm** | 230 | | **The quantity of discs:** |  | | **carved х** | 15 | | **solid х** | 1 | | **Mashine’s dimensions, mm (attack angle is 18 °):** |  | | **Length** | 1980±30 | | **Width** | 1770±30 | | **Height** | 1045±20 | | **Weight, kg** | 500 | |

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| Mounted disc harrow BND-2 |
| |  |  | | --- | --- | | бнд 2  **Harrow is designed for cutting blocks after plowing and surface treatment of the compacted soil after harvesting cultivated crops. Harrow is attached tractors with MTZ-80/82.** | | | Technical characteristics | | | **Harrow’s type** | mounted | | **Productivity in 1 hour time, ha / h, not less than** | 2,1-2,8 | | **Working width, m, not less than** | 2,2 | | **Processing depth, cm** |  | | **after plowing** | till 20 | | **Bearing** | ball, radial, single row | | **Transportation speed, km / h** | 20 | | **Working speed, km / h** | 8-12 | | **Ground clearance mm, not less** | 300 | | **Attack angle of batteries, degrees** | 8,12,16,24 | | **Weight, kg** | 1000 | | **Disc diameter, mm** | 650 | | **Attendants, pers.** | tractor-driver | |  |  | |

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| Mounted disc harrow BND-3 |
| |  |  | | --- | --- | | борона БНД-3  **Harrow is designed for cutting blocks after plowing and surface treatment of the compacted soil after harvesting cultivated crops.** | | | Technical characteristics | | | **Harrow’s type** | mounted | | **Attached to** | tractor МТZ-82 | | **Productivity in 1 hour time, ha / h, not less than** | 3 | | **Working width, m, not less than** | 3,2 | | **Processing depth, cm** |  | | **single pass** | 8-12 | | **after plowing** | till 20 | | **Transportation speed, km / h** | 20 | | **Working speed, km / h** | 8-12 | | **Ground clearance mm, not less** | 300 | | **Attack angle of batteries, degrees** | 8,12,16,24 | | **Overall dimensions in transport position, mm, not more:** |  | | **length** | 3180 (3780) | | **width** | 3490 | | **height** | 1450 | | **Weight, kg, not more** | 1470 | | **Disc diameter, mm** | 650 | |

**Mounted disc heavy harrow BNT-2**

**The harrow is designed for loosening land, that is silted with woody debris thickness of 2 cm and small stones not larger than 10 cm. Harrow is attached with tractors Class 2 ton. (MTZ-1221, 1523, T-150), equipped with a separate unit system. Guarantee is 12 MONTHS!**

Technical characteristics

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| **Harrow’s type** | mounted |
| **Attached to** | МТZ-1221 and other tractors of class 2 |
| **Productivity in 1 hour time, ha / h, not less than** | 1,9 |
| **Working width, m, not less than** | 2,15 |
| **Transportation speed, km / h** | 20 |
| **Processing depth, (for 2-3 steps), cm** | till 18 |
| **Working speed, km / h** | 8-10 |
| **Ground clearance mm, not less** | 300 |
| **Overall dimensions in transport position, mm, not more:** |  |
| **length** | 2410 |
| **width** | 2465 |
| **height** | 1400 |
| **Disc diameter, (metal sheet 14 st.65G), mm** | 650 |
| **Weight, kg, not more** | 1420 |

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| Disc mounted meliorative harrow BDN -3,0М |
| |  |  | | --- | --- | | бдн3 **Designed for loosening cleared from forests-bushes meliorative land to the depth of 0.3 m with a turnover of formation at 110-130 degrees. The land can be silted with woody debris with thickness up to 0.1 m in the amount of to 5 m3 / ha and small stones up to 0.2 m in volume of 25 m3/ha.**  **The harrow is attached with tractor К-701. Working bodies are spherical cut-harrow discs, which are collected in six sections 2 pcs. each. Depth of tillage is adjusted by changing the angle of disk sections' attack and trunnions’ installation in four positions in height with locking fingers.** | | | Technical characteristics | | | **Harrow’s type** | mounted | | **Attached to** | tractor К-701 | | **Productivity at the speed of 7.1 km / h, m / h** | 1,5 | | **Working width, m, not less than** | 2,9 | | **Working speed, km / h** | 4,2-10,3 | | **Transportation speed, km / h** | 15 | | **Processing depth, mm** | 150-300 | | **Quantity of disk sections** | 6 | | **Disc diameter, mm** | 1000, 10 | | **The distance between the discs, mm** | 520, 20 | | **Angles of the front section’s attack, degrees** | 20, 25 | | **Angles of the front section’s attack, degrees** | 25, 30 | | **Overall dimensions without tractor, mm:** |  | | **length** | 4200 | | **width** | 3300 | | **weight, kg** | 3200 | |

**Trailed disc harrow DS-40**

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| Борона полунавесная дисковая ДС-40 **Harrow is intended for cultivation and tilling, weeding, grinding crop residues. It’s also used for cutting layers of soil after plowing of virgin land, for seedbed preparation without preliminary plowing, tillage after harvest of row crops, care of meadows and pastures, as well as for cutting layers of land.** | |
| Technical characteristics | |
| **Harrow’s type** | **semi-mounted** |
| **Quantity of discs, pcs.** | **33** |
| **Productivity in 1 hour time, ha / h, not less than** | **3,5** |
| **Working width, m, not less than** | **4,0** |
| **Processing depth, cm** |  |
| **for 1 step** | **8-10** |
| **after plowing** | **till 20** |
| **Transportation speed, km / h** | **20** |
| **Working speed, km / h** | **8-12** |
| **Ground clearance mm, not less** | **250** |
| **Angles of batteries’ attack, degrees** | **9,12,15,18** |
| **Overall dimensions in transport position, mm, not more:** |  |
| **length** | **5370** |
| **width** | **2400** |
| **height** | **1450** |
| **Weight, kg, not more** | **2400** |

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| Trailed disc harrow BPD-3М |
| |  |  | | --- | --- | | Борона навесная дисковая БПД-3 **Harrow BPD-3M is used for cutting layers of soil after plowing land for seedbed preparation without preliminary plowing, for processing after harvesting root crops, care of meadows and pastures, that are clogged with small stones, not larger than 10 cm thick and woody debris till 2 cm . Harrow is attached with tractors MTZ-1221, T-150, T-150K, DT-75S and other tractors of class 3, that are equipped with a hydraulic system.** | | | Technical characteristics | | | **Harrow’s type** | **trailed hydroficated** | | **Productivity in 1 hour time, ha / h, not less than** | **till 2,6** | | **Working width, m** | **3** | | **Working speed, km / h** | **9-12** | | **Disks’ type** | **spherical cut-out, 2 solid** | | **Disk diameter** | **650/510 or 600/460** | | **Quantity of discs** | **23, 2 solid** | | **Maximum depth of treatment for 2-3 steps, cm** | **till 20** | | **Transportation speed, km / h** | **till 20** | | **Angles of batteries’ attack, degrees** | **12,15,18** | | **Raising and lowering of working bodies** | **with hydraulic cylinders** | | **Габаритные размеры, мм:** |  | | **Dimensions in the operating position (without tractor)** |  | | **Length** | **4440** | | **Width** | **3260** | | **Height** | **1180** | | **Weight, kg** | **1800** | |  |  | |  |  | |  |  | |  |  | |  |  | |

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| Trailed disc harrow BPD-5МW |
| |  |  | | --- | --- | | 4 **This harrow is used for cutting layers of soil after plowing land, for seedbed preparation without preliminary plowing, for tillage after harvesting root crops, care of meadows and pastures, that are clogged with small stones, not larger than 10 cm and woody debris till 2 cm. Harrow is attached with tractors T-150, T-150K, and others of Class 3, that are equipped with unit-hydraulic system.** | | | Technical characteristics | | | **Harrow’s type** | **trailed hydroficated** | | **Productivity in 1 hour time, ha / h** | **4,3** | | **Working width, m** | **5** | | **Working speed, km / h** | **9-12** | | **Disks’ type** | **spherical cut-out, 2 solid** | | **Disk diameter** | **650/510 or 600/460** | | **The distance between discs, mm** | **260 и 210** | | **Quantity of discs, pcs.** | **39 and 2 solid** | | **Maximum depth of treatment for 2-3 steps, cm** | **till 20** | | **Transportation speed, km / h** | **до 20** | | **Ground clearance mm, not less** | **250** | | **Track Width, mm** | **2000** | | **The number of disc batteries** | **8** | | **Angles of batteries’ attack, degrees** | **12,15,18** | | **Raising and lowering of working bodies** | **with hydraulic cylinders** | | **Characteristics of the undercarriage:** |  | | **wheels’ type** | **pneumatic** | | **quantity** | **2** | | **tire size, inch** | **13,0 / 75 - 16** | | **tire pressure, MPa** | **0,2-0,3** | | **Overall dimensions mm, not more than (at the angle of attack of 18):** |  | | **in the working position (without the tractor)** |  | | **length** | **4000+100** | | **width** | **5250+100** | | **height** | **1370+100** | |

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| Trailed disc harrow BPD-7МW |
| |  |  | | --- | --- | | 3а **Harrow BPD-7MW is designed for loosening and tilling, weeding, grinding residue. It is used for cutting layers of soil after plowing of virgin land for seedbed preparation without first plowing, for tillage after harvest row crops, care of meadows and pastures, as well as for cutting layers of land, that is raised with shrub bog plows.** | | | Technical characteristics | | | **Harrow’s type** | semi-mounted hydroficated | | **Productivity in 1 hour time, ha / h** |  | | **with tractor K-700 on V transmission** | 7,61 | | **with tractor K-701 on VII transmission** | 7,25 | | **with tractor T-150 on II transmission** | 6,03 | | **Working width, m** | 7 | | **Maximum depth of treatment for 2-3 steps, cm** | 20 | | **Quantity of disc sections** | 8 | | **Angles of the front section’s attack, hail.** | 12,15,18 | |



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| Sweeper MP-2.5M for tractor MTZ-80/82 |
| |  |  | | --- | --- | | mp25mm55 **Tow equipment to the tractor MTZ-80/82 for the maintenance of roads and areas is intended for the mechanization of harvesting in urban housing and communal services, for cleaning of roads, squares and other areas of the fallen leaves, dust, urban refuse. At the same time polluting items accumulate in the hopper and eject the assembled body of the car or trailer. The presence of three brushes, vertical and two horizontal, allows for cleaning debris on the roadway, limited with a border. The machine is equipped with a humidification system to prevent dust formation.** | | | Technical characteristics | | | **Equipment’s type** | trailed | | **Attached to** | tractor МТZ-80/82 | | **Brush’s drive** | hydraulic | | **Working width, m** | 2,5 | | **Hopper capacity for garbage, m3, not less** | 2,0 | | **Capacitance of the water tank, m3, at least** | 1,0 | | **Ground clearance mm, not less** | 250 | | **Working speed, km / h** | 20 | | **Transportation speed, km / h** | 30 | | **Overall dimensions of equipment mm, not more:** |  | | **length** | 5000 | | **width** | 2500 | | **height** | 2200 | | **Unloading height, mm** | 4100 | | **Working liquid** | МГЕ-46В | |

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| Attached equipment for cleaning roads and areas, typeUM.T-320 |
| |  |  | | --- | --- | | 5 **Attached equipment for the maintenance of roads and areas, type UM.T-320 is designed for mechanized cleaning of streets, roads, squares, including fresh snow.** | | | Technical characteristics | | | **Equipment’s type** | **mounted** | | **Attached to** | **tractor Belarus-320** | | **Ground clearance mm, not less** | **250** | | **The length of the moldboard, mm** | **2000 ±20** | | **The length of the brush, mm** | **1500±20** | | **Weight of attachments with roller supports (supporting wheels), kg** | **490** | | **Working speed, km / h** | **10** | | **Transportation speed, km / h** | **20** | | **The angles of the moldboard in the plan, degrees** | **60, 90** | | **The angles of the brush in the plan, degrees** | **60** | | **Overall dimensions of the tractor with equipment mm, not more:** |  | | **length** | **5700** | | **width** | **1800** |  |  |  | | --- | --- | | **Raising and lowering of working bodies** | **with hydraulic cylinders** | |

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| Attached equipment for cleaning roads and areas, typeUM.T-422.1 |
| **Attached equipment for the maintenance of roads and areas, type UMT-422.1 for tractor "Belarus-422.1" is designed for mechanized cleaning of streets, roads, squares, including fresh snow.**  umttt.jpg Technical characteristics  **Equipment’s type** - mounted **Attached to tractor “Belarus”**- 422.1 **Ground clearance mm, not less** - 311±15 **length of moldboard, mm** - 1730  **length of brush, mm** - 1700 **Weight**  **with support wheels, kg, not more than** - 470±15 **Working speed, km / h, not more than** - 10 **Transportation speed, km / h, mot more than** - 25 **The angles of the moldboard in the plan, degrees** - 60, 90 **The angles of the brush in the plan, degrees -** 60 |

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| Loading equipment FP - 0,25,FP - 0,25.1 for tractor “Belarus-320”, “Belarus-422.1” |
| fp2.jpg  **Loading equipment FP-0.25 for tractor Belarus-320 and Belarus-422.1 is designed for loading into vehicles loose materials on the agricultural, constructing, industrial enterprises and farms.**  Technical characteristics  **Equipment’s type - mounted carrying capacity, kg: 300 bucket capacity,m3: 0,25 Bucket width, m: 1,2 Ground clearance mm, not less**: **300** **Transportation speed, km / h, mot more than: 20 Overall dimensions of tractor with equipment, mm, not more:  length 4300  width 1500 Dumping height, mm: 2300 Drive lifting and lowering of the boom and bucket’s actuator rotation are hydraulic from the tractor hydraulics**  fp.jpg |

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| Loading equipment FP - 0,75 for tractor МТZ – 82 |
| |  |  | | --- | --- | | Фото0131 **Loading equipment FP-0.75 for tractor MTZ-82 is designed for loading into vehicles loose materials on the agricultural, constructing, industrial enterprises and farms.** | | | Technical characteristics | | | **Equipment type** | mounted | | **carrying capacity, kg** | 750 | | **Tear-off force, kgf** | 1500 | | **bucket capacity,m3** | 0,4 | | **Bucket width, m** | 1,5 | | **Ground clearance mm, not less** | 250 | | **Transportation speed, km / h, not more than** | 20 | | **Overall dimensions of tractor** with equipment, mm, not less |  | | **length** | 5450 | | **width** | 1970 | | **Dumping height, m** | 2,65 | | **Drive lifting and lowering of the boom and bucket’s actuator rotation are hydraulic from the tractor hydraulics** | | |
| Attached equipment for cleaning roads and areas, typeUM.T-80 |
| |  |  | | --- | --- | | 7 **Attached equipment for the maintenance of roads and areas, type UMT-80 is designed for mechanized cleaning of streets, roads, squares, including fresh snow.** | | | Technical characteristics | | | **Attached to** | tractor МТZ-80/82 | | **Brush’s drive** | mechanical from the tractor’s shaft | | **Ground clearance mm, not less** | 260 | | **length of moldboard, mm** | 2500 ±20 | | **length of brush, mm** | 1800±20 | | **Weight with a tractor, kg** | 4200 | | **Working speed, km / h, not more than** | 10 | | **Transportation speed, km / h, not more than** | 20 | | **The angles of the moldboard in the plan, degrees** | 60 | | **The angles of the brush in the plan, degrees** | 30 | | **Overall dimensions of tractor with equipment, mm, not more:** |  | | **length** | 6200 | | **width** | 2500 | |

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| Attached equipment for cleaning roads and areas, typeUM.T-25 |
| |  |  | | --- | --- | | УМУМУМ **Attached equipment for the maintenance of roads and areas, type UMT-25 is designed for mechanized cleaning of streets, roads, squares, including fresh snow.** | | | Technical characteristics | | | **Equipment type** | mounted | | **Basic tractor** | Т25/30 | | **Working speed, km / h, not more than** | 10-20 | | **Turning radius of the moldboard in the plan, mm** | 6000 | | **length of moldboard, mm** | 2000 | | **length of brush, mm** | 1500 | | **The angles of the moldboard in the plan, degrees** | 60,90 | | **The angles of the brush in the plan, degrees** | 60,90 | | **Ground clearance mm, not less** | 260 | | **Raising and lowering of working bodies** | with hydraulic cylinders | | **Overall dimensions of tractor** **with equipment, mm:** |  | | **length** | 2000 | | **width** | 6200 | | **Weight** | 820 | |  |  | |

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| Semitrailer tipper PSM-2.5 |
| |  |  | | --- | --- | | 11б **It’s used in construction, municipal and agricultural organizations for the goods transporting by road and on the field.** | | | Technical characteristics | | | **Maximum carrying capacity, kg** | **2500** | | **Platform capacity, m3** | **2.5** | | **Weight of full semitrailer, kg** | **800** | | **Full weight, kg** | **3300** | | **Overall dimensions of semitrailer, mm** |  | | **length with the drawbar trailers** | **3820** | | **width** | **1960** | | **height** | **500** | | **Loading height on the floor of the platform, mm** | **900** | | **Semitrailer’s base** | **2950** | | **track of wheels** | **1500** | | **Ground clearance mm, not less** | **300** | | **Tires** | **100/75-15,3** | | **unloading** | **tripartite** | | **Angle of platform’s tilting, degrees** |  | | **on the side** | **52** | | **back** | **50** | |

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| Semitrailer tipper PU-3,0-01 |
| |  |  | | --- | --- | | psm3.00.000.jpg **It’s used in construction, municipal and agricultural organizations for the goods transporting by road and on the field.** | | | Technical characteristics | | | **Maximum carrying capacity, kg** | **3000** | | **Platform capacity, m3** | **3,0** | | **Weight of full semitrailer, kg** | **800** | | **Full weight, kg** | **4000** | | **Overall dimensions of semitrailer, mm** |  | | **length with the drawbar trailers** | **3950** | | **width** | **1960** | | **height** | **550** | | **Loading height on the floor of the platform, mm** | **900** | | **Semitrailer’s base** | **2950** | | **track of wheels** | **1500** | | **Ground clearance mm, not less** | **300** | | **Tires** | **100/75-15,3** | | **unloading** | **tripartite** | | **Angle of platform’s tilting back, degrees** | **50** | |

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| Watering semitrailer PU-3.0-02 |
| |  |  | | --- | --- | | Фото0108 **PU-3.0-01 is used in municipal services, for watering roads, sidewalks, yards, green areas.** | | | Technical characteristics | | | **Base tractor** | Belarus-320 | | **Width, m :** |  | | **washing** | 3 | | **watering** | 10 | | **Average water consumption, l/m:** |  | | **during washing** | 0,6 | | **during watering** | 0,2-0,3 | | **Overall dimensions, mm:** |  | | **length with the drawbar trailers** | 7230 | | **width** | 2130 | | **height** | 2150 | | **Weight of full semitrailer, kg** | 1100 | | **Full weight, kg** | 4100 | | **Working speed, km / h:** |  | | **during washing** | 5-10 | | **during watering** | 10 | |

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| Planner meliorative PLM-4,6 (PLM-2,8) |
| P6040027 P6040044  **Planner PLM-4.6 is designed to align the drained. The planned area must be cleared of stones with a diameter greater than 200 mm, stumps, also should be plowed. The planner provides alignment roughnesses that are not more than 20 m. And a height (depth) of which is not more than 0.2 m. The ambient temperature under operating conditions can be from -5 to + 50 ° C.** Technical characteristics **Planner type** semi-trailed  **Base machine** tractor К-700, МТЗ -3022  **Working width** 4,6±0,08  **bucket capacity,m3** 3,5  **The base in the operative position, m** 6,67±0,08  **Overall dimensions in operative position**,  **mm, not more**  **length**  7900  **width**  4750  **height**  2100  **Working speeds, km/h** 5,2 до 6,9  **Transportation speed**, km/h till 25  **Minimum turning radius with**  **a tractor, m** 7,8  **Technical productivity ha / h** 2,55±0,3  **Rut,m**  2,9±0,08  **Weight, kg** 2800±50 |
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