



**Low bed prime mover Belarus MAZ-643008-070-712  
with trailer 937900-010**



**Truck tractor**

Engine	YaMZ – 7511.10
Power of engine, kWt (hp)	294 (400)
Gearbox	12JS200TA
Suspension	Spring
Fuel tank, л	500
Tyres	315/80R22.5
Type of cabin	All-metal, long, with high roof

**MAZ-643008-070-712**

**Semitrailer**

Load capacity, kg	42 000
Gearbox	12JS200TA
Suspension	Spring
Tyres	11.00R20
Weight on the fifth wheel, kg	15 000

**MAZ-937900-010**

3 axles

<b>LOAD PARAMETERS:</b>	
Weight come on fifth-wheel assembly, kg	<b>22750</b>
Mass of the equipped automobile, kg	<b>10350</b>
Gross mass of the roadtrain, kg	<b>65000</b>
Load on a road from the automobile by gross mass, kg:	<b>7250</b>
- through tyres of front wheels	<b>26000</b>
- through tyres of rear wheels.	
Max rise overcome by the roadtrain by gross mass, % not less	<b>18</b>
<b>ENGINE:</b>	
Model	<b>YAMZ-75117.10</b>
Diesel, 8 cylinder, V-type, with turbo-supercharging and intercooler.	<b>(Euro-2)</b>
Displacement, l	<b>14,86</b>
Power, kW (hp).	<b>294 (400)</b>

**Head Office:** 3-1136 Centre St, Ste. 124, Thornhill, ON, L4J 3M8, Canada

**Warehouse:** 2682 Highway 34, Hawkesbury, Ontario, K6A 2R2, Canada

**Tel:** 1-855-2GO-4MTZ (1-855-246-4689) **Fax:** 1-647-933-9066 **E-mail:** info@mtzequipment.com **Web:** www.mtzequipment.com

<ul style="list-style-type: none"> <li>- at frequency of rotation, min<sup>-1</sup></li> <li>Max torque, N·m</li> <li>- at frequency of rotation, min<sup>-1</sup></li> </ul> <p>Cooling system: liquid, closed type with forced circulation of cooling liquid, extension tank and coupling of fan disconnecting,.</p> <p>Lubrication system: mixed with the water-to-oil cooler, filter with the paper element and filter of centrifugal clearing.</p> <p>Fuel system: In-line, fuel injection pump, filters of primary and secondary clearing.</p> <p>Fuel tank, l.</p>	<b>1900</b> <b>1715</b> <b>1200-1400</b>      <b>500</b>
<p><b>CLUTCH:</b> Friction, dry, single disk. The hydraulic drive with pneumatic booster.</p>	<b>MFZ-430</b>
<p><b>GEARBOX:</b> Mechanical with dual high transmission. Quantity of transfers is 12 with synchronizers on all transmissions, except of backward motion.</p>	<b>12JS200TA</b>
<p><b>DRIVING AXLE:</b> Rear and middle, two-stage with the central reducer, interwheel lock and wheel cylindrical transmissions of planetary type. It is equipped with interwheel and interaxle lock. Maximum speed with installed system of speed limitation, km/h.</p>	<u>u</u> <sub>0</sub> =4,59  <b>85</b>
<p><b>FRONT AXLE:</b> Controlled type, beam of I-section axis with rotary cams fixed on needle bearings.</p>	
<p><b>FRAME:</b> From stamped parts. In front and rear part there is a towing fork.</p>	
<p><b>FRONT SUSPENSION:</b> Dependent, on longitudinal springs, with two hydraulic shock absorbers of telescopic type, stabilizer of cross-sectional stability.</p>	
<p><b>REAR SUSPENSION:</b> Walking-beam type with six torque rods, with stabilizer of cross-sectional stability.</p>	
<p><b>WHEELS:</b> Disk, fastened by 10 nuts Quantity: Spare wheel:</p>	<b>9,00×22,5</b> <b>10</b> <b>1</b>
<p><b>TYRES:</b> Pneumatic, tubeless with road figure of the protector. Dimensionality: Index of payload capacity: Index of speed:</p>	<b>315/80R22.5</b> <b>154/150</b> <b>M</b>
<p><b>STEERING GEAR:</b> With the hydraulic booster. The control column is regulated on altitude, angle of declination, is supplied with anti-thief and trauma protection devices.</p>	
<p><b>BRAKE SYSTEM:</b> Pneumatic, with the separate drives of front and rear wheels, two-wire drive of brakes of the semi-trailer.</p>	

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<b>WORKING:</b> Working brake is foot type, brake mechanism is drum type. ABS.	
<b>PARKING:</b> Influences on rear wheels from spring power accumulators having the pneumatic drive.	
<b>AUXILIARY:</b> Throttling type, has a throttle plate installed in the engine exhaust pipeline and controlled by air cylinder.	
<b>ELECTRIC EQUIPMENT SYSTEM:</b> Single-wire, direct current with nominal voltage 24V. The negative pole energy of accumulator battery is connected to the frame. There are 2 batteries by capacity of 190 Amp-hrs. There is a signal of reverse. Generator: 28V, 80A. Starter: 24V, 5.5kW.	
<b>FIFTH-WHEEL ASSEMBLY:</b> Fifth-wheel manufacturer: Jost (Georg Fischer) Single holder type with 2 degrees of independence. The locking mechanism is half-mechanical type.	<b>2"</b>
<b>CABIN:</b> All-metal, long, with high roof, fixed on spring suspension, double-places, double-door, can be pushed forward on angle of 60°. Equipped with mirrors of rear view, box for small things, sun visor and curtains, round curtain of cabin windows, 2 sleeping places (lower one like a sofa; upper one is used as a shelf for things or as sleeping place). Seats on pneumatic suspension with adjustment on height, weight and inclination of seat-back seats.	
<b>WIND SCREEN:</b> Triplex with electrical windshield washer. - capacity of electrical windshield washer, l	<b>10,0</b>

The manufacturer reserves the right to itself to make modifications directed on improving of the automobile parameters.

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