

TIMBER- CARRYING TRUCK 5434 (4 X 4)



Foreign Trade Firm
"BalavtoMAZ"
proposes



This truck is one of a large group of MAZ family vehicles designed specially for carrying timber and other long-cut loads.

Required running performance of the truck is provided by a powerful engine, multi-speed gearbox, drive to all wheels, and transfer

case with interaxle positively-interlocked differential.

Provision of power takeoff and traction winch makes it possible to carry out loading and unloading of the pole-trailer on the truck chassis, and pivotable bunk with hinged uprights and strained wire ropes

permits carrying various loads of length up to 27 m.

Carriage of the pole-trailer on the truck chassis increases economy of the trailer-train, improves off-road capability and cuts down empty run time.

SPECIFICATIONS

Curb mass of truck, kg	9050
Tolerable gross mass of truck, kg	16000
Tolerable load on front axle, kgf	6000
Tolerable load on rear axle, kgf	10000
Mass of load carried by trailer-train, kgf	20800
Gross mass of trailer-train, kg	34000
Maximum speed, km/h	75

Engine

Eight-cylinder, V-type, ЯМЗ-238М2.	
Cylinder bore, mm	130
Piston stroke, mm	140
Displacement, cm ³	11150
Power at 2100 min ⁻¹ , kW (hp)	176 (240)
Maximum torque at 1450-1600 min ⁻¹ , Nm	883

Clutch

Dry, two-plate, friction-type, with pneumatic servo in clutch control linkage.

Gearbox

Eight-speed, all forward gears synchronized.

Gear ratios:

1st 7.73	4th 2.08	7th 1.00
2nd 5.52	5th 1.96	8th - 0.71
3rd 3.94	6th 1.36	Reverse 11.78; 2.99

Transfer case

Single-step, with interlocked interaxle differential.
Gear ratio 1.107.

Rear axle

Driving, consists of central bevel drive and spurtype planetary wheel drives.

Gear ratio 7.79.

Front axle

Driving, with central drive and planetary wheel drives.

Gear ratio 7.79.

Suspension

Front leaf springs with telescopic shock absorbers.
Rear leaf semi-elliptic springs (main and helper ones) and lateral stabilizer.

Truck frame

Channel sidemembers with rivetted-to crossmembers.

Wheels

Spoked, 8.5-20.

Tyres

12,00-20.

Steering gear

Two-step mechanism with screw gearing and toothed pair with built-in control valve, and steering hydraulic booster.





Brake system

Service brake system: two-circuit pneumatic brakes with automatic brake force-to-load adjustment.

Parking and emergency brake: rear wheel brakes operated by spring energy accumulators.

Parking brake - pneumatically operated.

Exhaust brake: compression type, with rotary flap in exhaust system.

Electrical equipment

24 V DC, single-wire, negative ground return type, 800 W AC generator with built-in integrated-circuit voltage regulator and rectifier. Storage batteries 2 pcs, 12 V 190 Ah each.

Cab

Over-engine, hydraulically tilted through 60° all-metal, two-door, two-seat, furnished with cushioned driver's and passenger's seats. Cab ventilation forced and natural.

Winch

Drum type, arranged in middle part of truck, furnished with worm reduction gear.

Timber carrying equipment frame

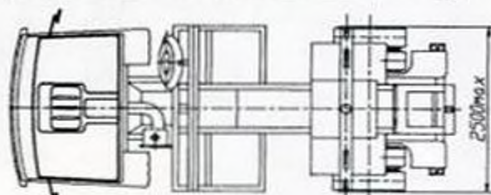
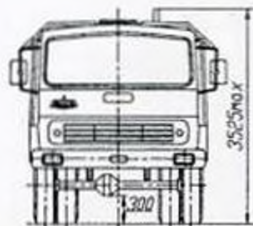
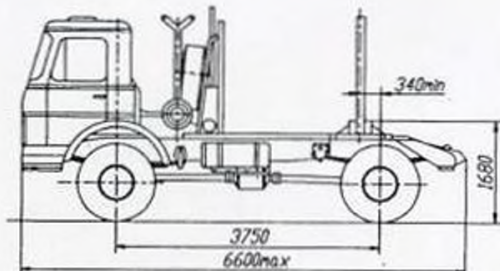
Welded, with bracket for fastening drawbar of pole-trailer and traction beam with pins for attachment of pole-trailer control cross coupling wire ropes.

Bunk

Weldment, provided with base and hinged uprights connected with bunk base.

Optional extras (to special order)

Starting preheater, air horn, fog lights, fire extinguisher, radio-tape player or radio set.



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MAZ

Advanced design treatments engineered into the truck provide excellent operating characteristics and high efficiency of the truck in transportation services. This makes the MAZ trucks widely applicable in various branches of economy.

Comfort

Streamlined shape, ergonomic design and comfort are characteristic features of the MAZ cab. The cab is easy to get in. The driver's seat is adjustable and meets all ergonomic requirements. Efficient ventilation, heating, functional arrangement of pedals and dashboard instruments lighten the work of the driver.

Safety

Effective brake system, lateral stabilizers, easy-to-operate steering gear with hydraulic booster, injury-safe adjustable steering column and state-of-the-art lighting devices ensure safe driving under various road conditions and situations.

Performance

A powerful ЯМЗ diesel engine and perfectly selected transmission guarantee excellent dynamic and traction properties of the truck. Carriage of the pole-trailer on the truck chassis increases economy of the trailer-train, improves cross-country capacity and cuts down empty run time.

Reliability

This characteristic is traditionally high in the MAZ trucks. Excellent reliability is provided by thorough design development, flexible automated system of accelerated tests with subsequent checks under service conditions and perfected manufacturing process.

Timely servicing and use of genuine spare parts will guarantee many years of effective operation at minimum maintenance expenses.



MAZ FOR YOU

Our trucks this is Your choice.
All requirements of the Client are always considered by the Manufacturers.

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BELAVTOMAZ Production Association was awarded GOLD MERCURY and GOLD GLOBE prizes in recognition of its great services in the development of international trade and cooperation. A valuable contribution to it was made by all the plants of the Association and, first of all, by the headquarters plant - Minsk Automobile Plant. Minsk Automobile Plant was awarded one more international reward for high quality of products and business image - ARCH OF EUROPE Gold Star.