



. AUTOLINK N.V. Chaussée de Waterloo 1595 – B-1180 Brussels, Belgium

Your specialist in trucks and machineries

Tecnical specifications – Fiche technique

Tipper Truck – Camion Benne : 21m³

MAZ 42T 400HP 8x4 – Euro2

MAZ-651608-280-700



PURPOSE – Utilisation :

Transportation of different bulk loads on the roads with allowed axial load on double axes (carriage) to 41 tp. Transport routier en vrac sur double essieux arriere jusque 41T

THE WHEEL FORMULA – Traction : 8 X 4

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1.0. OVERALL DIMENSIONS:

Total Length, Width, Height – **Long. Larg. Haut. totale : 8980x2550x3560mm**

Rounded Tipper – **Benne arrondie : 5755 x 2320x1550 = 20.7 m³**

2.0 LOAD PARAMETERS – Poids et masses autorisées:

Payload carried, kg - **Charge Utile** **25500 kg**

Mass of the equipped automobile, kg. - **Poids du véhicule à vide** **16200 kg**

Technically admissible gross mass of the automobile, kg. - **Poids total en charge** **41800 kg**

Technically admissible load on a road by the automobile by gross mass, kgp:

- through tyres of front wheels – **Essieux avant** (2x7500) **15000 kg**

- through tyres of the carriage. – **Essieux arrière** (2x13390) **26780 kg**

Max rise overcome by the automobile by gross mass, % not less **25 %**

2.1 ENGINE - Motorisation:

Model **M3-75117.10**

Diesel, 8 cylinder, V-type, with turbo-supercharging and intercooler. **(Euro-2)**

Displacement, l **14,86**

Power, kW (hp). **294kw (400cv)**

- at frequency of rotation, min⁻¹ **1900 rpm**

Max torque, N·m (Kg·m) **1715(175)**

- at frequency of rotation, min⁻¹ **1200-1400**

Cooling system – **Refroidissement :**

liquid, closed type with forced circulation of cooling liquid, extension tank and coupling of fan disconnecting.

- capacity, l **48 L**

Lubrication system:

mixed with the water-to-oil cooler, filter with the paper element and filter of centrifugal clearing.

- capacity, l **32 L**

Fuel system:

In-line, fuel injection pump, filters of primary and secondary clearing – **Pompe d'injection, filtres**

- Fuel tank, **Réservoir à carburant .** **300 L**



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2.2 COUPLING – Embrayage :

Friction, dry, single-disk.

MFZ-430

The hydraulic drive with pneumatic booster.

2.3 GEARBOX – Boite vitesse:

Mechanical with dual high transmission. [Boite manuelle 12 Vitesses](#)

12JS200TA

Quantity of transfers is 12 with synchronizers on all transmissions, except of backward motion.

2.4 DRIVING AXLES – Essieux arrières : 2 x 13,4T

U₀=5,33

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.

[Réducteur 2 étages – Bloquage différentiel](#)

Maximum speed, km/h. [Vitesse maximum](#)

85 km/h

2.5 FRONT AXLE – Essieux avant : 2 x 7.5 T:

Controlled type, beam of I-section axis with rotary cams fixed on needle bearings.

2.6 FRAME - Chassis:

With pressed parts with the amplifier on all length of a frame.

2.7 FRONT SUSPENSION – Suspension avant :

Dependent strengthened, on longitudinal leaf springs, with two hydraulic shock-absorbers of telescopic type, the stabilizer of cross-section stability. [Suspension à lame + absorbeurs + barre stabilisatrice](#)

2.8 REAR SUSPENSION – Suspension arrière :

Walking-beam type with six torque rods and cross-sectional stability device.

[Suspension arriere mécanique, 6 lames et barre stabilisatrice](#)

2.9 WHEELS - Jantes:

Disk, fastened by 10 nuts – [Jantes acier 10 boulons](#)

9,00×22,5

Quantity:

12

Spare wheel – [roue de secours:](#)

1

2.10 TYRES – Pneumatiques :

Pneumatic, with universal figure of the protector. Layer norm 18.

Dimension :

315/80R22.5

Index of payload capacity:

154/150

Index of speed:

J



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2.11 STEERING GEAR – Direction assistée :

With the hydraulic booster. The control column is regulated on altitude, angle of declination, is supplied with anti-theft and trauma protection devices. [Hydraulique, réglage en hauteur, antivol](#)

2.12 BRAKE SYSTEM – Freinage :

Pneumatic, with the separate drive of front and rear wheels. – [Pneumatique 2 lignes séparées avant/arrière](#)

2.12.1 -WORKING Brake:

Working brake is foot type, brake mechanism is drum type. [Freins à tambour](#)

2.12.2 -PARKING Brake

Influences on rear wheels from spring power accumulators, having the pneumatic drive.

2.12.3 -AUXILIARY:

Throttling type, has a throttle plate installed in the engine exhaust pipeline and controlled by air cylinder.

2.12.4 ANTILOCKING BRAKE SYSTEM (ABS)

2.13 ELECTRIC

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 - [Alternateur](#) : 28V, 80A, with the built-in integral relay assembly of voltage.

Starter – [Démarreur](#) : 24V, 9kW.

2.14 CABIN - Cabine:

All-metal, short, with low roof, fixed on spring suspension, double-places, double-door, single sleeping place. can be pushed forward. Seat of the driver on a pneumatic suspension bracket.

[Cabine courte, non surélevée, suspendue, 2 places, siege conducteur sur suspension pneumatique , avec une couchette abatable](#)

2.15 WIND SCREEN + Pare brise :

Triplex with electrical windshield washer – [Triplex avec lave glace électrique](#)

- capacity of electrical windshield washer, l – [Réservoir lave glace](#)

10,0 L



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2.16 BODY – Benne arrondie :

Welded, all-metal with a folding rear side and automatic lock device. There is a device of insurance of the lifted body; *Benne arrondie soudée avec basculement arriere. Porte arriere battante à fermeture automatique*

- capacity, *Capacité, dimensions de la benne*

5755 x 2320x1550 = 20.7 m³

2.17 BODY RISE SYSTEM – Système de levage:

Hydraulic with the telescopic cylinder of the tipping mechanism, with gear pump fixed on gearbox. The control is carried out from driver's place.

Vérin Frontal - Cylindre télescopique hydraulique avec pompe entraînée par prise de force sur la boîte de vitesse avec une commande en cabine

- capacity, *Capacité du circuit Hydraulique*

67 L



The manufacturer reserves the right to itself to make modifications, which directed on improving automobile parameters

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