

AEBI

Aebi MT720

Universal Carrier Vehicle



**Highest load capacity and invincible strength –
the Aebi MT720**

- compact outside measurements
- high-performance engine with 109 hp
- up to 4350 kg load capacity – an advantage that will pay off
- various attachments possible – multiple uses
- ergonomically designed cab with three seats
- 4x4 drive - driving safety in all situations

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Engine

VM R754EU6, 2970 cm³, turbo diesel, Euro 6, 4 cylinders, water-cooled, intercooler, common rail, 80 kW (109 hp) at 2600 1/min according to ECE R24, max. torque 420 Nm at 1100 1/min, torque increase 40%, particle filter, SCR and AdBlue, high exhaust pipe at the right side behind the cab.

Electric system

12 V, 105 A alternator, 100 Ah starter battery

Gears

ZF synchronous gearbox, with 6 forward gears and 1 reverse gear. Preparation for mechanical auxiliary drive of max. 20 kW, left side of casing.

Reduction gear

Two steps, fast/slow. This results in 12 forward gears and 2 reverse gears for on- and off-road. Shiftable front-wheel drive, half-synchronised gear-shift using electro-pneumatic operation, normal transmission 1:1.05, slow transmission 1:3.937.

Clutch

Hydraulically operated dry single-disc clutch.

Speeds

Max. speed: 90km/h or 40 km/h, depending on registration (country specific).

Axle drive

4x4, shiftable front-wheel drive

Options: Permanent all-wheel drive with lockable middle differential gear, back axle differential lock.

Chassis/suspension

Structure made of steel supports with U-shaped profile, connected with bolted-together cross-members. Chassis colour RAL 9005 black, rust-prevention treatment with EDP undercoat and powder coating. Standard vehicle: strengthened leaf suspension with telescopic shock absorbers, anti-roll bars at front and back. Wheel chock mounted to the vehicle frame, lateral underride guard, rear mudguard.

Steering

Left-hand steering, ZF ball-and-nut hydraulic steering and steering wheel lock, steering wheel diameter 430 mm.

Turning circle

Wheelbase 2330 mm: 9.6 m; wheelbase 2600 mm: 11.1 m.

Hydraulics

Options:

- 1. circuit: Moving hydraulics 30 l/min max. 200 bar (optionally 250 bar with continuous duty) (at 2000 1/min)
- 2. circuit: Moving hydraulics 30 l/min max. 200 bar (optionally 250 bar with continuous duty). The power hydraulics are switched off in continuous duty) and power hydraulics 50 l/min max. 180 bar (at 2500 1/min respectively)

Tyres

205/75R16 single wheels at front, double wheels at back

Brakes

Service brake via disc brakes at the front and at the back, independent hydraulic dual-circuit system with Servo support effective on 4 wheels, parking brake via drum brakes effective on the back wheels, brake compensator on the back axle, electric wear indicator on the brake pads, hydraulic anti-lock braking system (ABS).

Cab

Tilting cab, robust steel construction with anti-corrosion surface protection and galvanised cab floor with sound and heat insulation, cab suspension with rubber spring elements and hydraulic shock absorbers, ergonomic, horizontally adjustable driver's seat with fabric cover, fixed passenger seat with toolbox, certification for 2/3 seats, 3-point seat belt for driver's and passenger seat, heating, panorama windscreen made of safety glass, storage space, rear cab wall with large amount of glazing, upper console with storage surface, space for digital tachograph, radio preparation including antenna, adjustable interior lighting and sunshades. Cab door with interior cladding and storage compartment, opening hinge with stop and damper cylinder, electric windows, headlight range adjustment of the lighting system, CAN-BUS interface, 12 V socket and electronic hand throttle. Options: air conditioning, heatable exterior mirrors.

Lights and warning lights

According to CE standards, halogen light, main beam and dipped beam with integrated sidelight, LED daytime driving light, front, side and back indicators, sidelight and brake light, reverse lights, rear fog lights, number plate light, hazard lights via indicators, reverse signal alarm.

Instrument display

Control lights via combination instrument in dashboard, speedometer, revolution counter with operating hour counter, water temperature indicator, fuel gauge, various signal displays for functions in operation.

Option: Digital tachograph

Towing capacity

Trailer without brakes	750 kg
Trailer with overrun brake	3500 kg

Weight

Unloaded weight	2150 kg	90 km/h	2150 kg
Admissible total weight	6500 kg		5500 kg
Admissible front axle load	2800 kg		2400 kg
Admissible rear axle load, depending on tyres	4000 kg		3800 kg
Max. admissible load capacity	4350 kg		3350 kg

Filling quantity

Fuel tank (tank cover can be closed)	90 l
AdBlue	14 l

Vehicle class N2

Dimensions	
Width of cabin	1600 mm
Height above cabin	2230 mm

