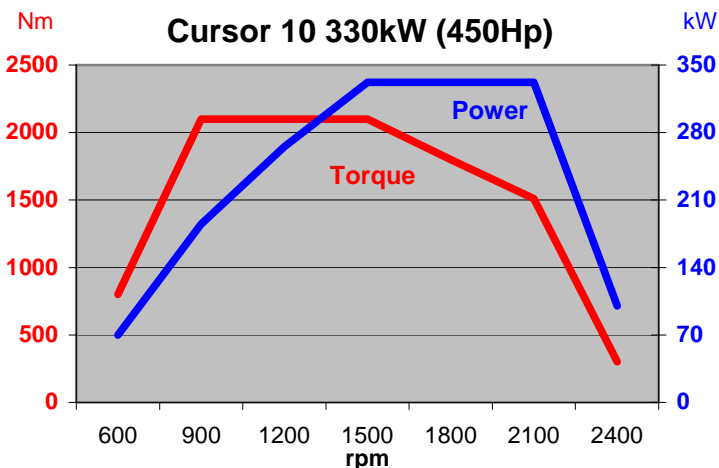
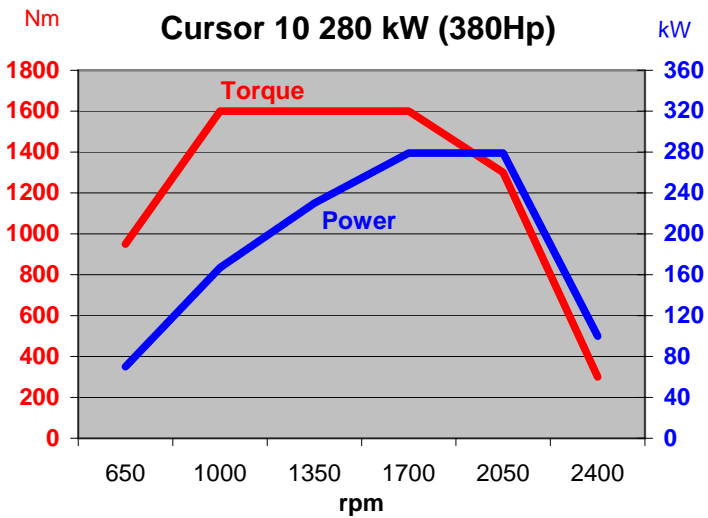


EuroRider

4x2 CURSOR 10

Chassis for Interurban / Tourist Coach



GENERAL FEATURES

Chassis Length	8 620 mm
Chassis Width	2 486 mm
Chassis Wheelbase	3 000 mm
Front / Rear chassis overhang	2 340 / 3 280 mm
Overhang angles	> 7°
Bodied Wheelbase	5 900 / 6 900 mm
Bodied Length	11 400 - 13 000 mm
Bodied Width	2 500 - 2 550 mm
Bodied floor Height	800-1 600 mm
Max Slope	> 18°
Max Technical GVW	19 000 Kg
On front axle	7 100 Kg
On rear axle	12 000 Kg



280 kW (380 Hp)

330 kW (450 Hp)

EURO 4

Optional: Euro 5 or EEV

EuroRider Cursor 10

ENGINE

Type IVECO CURSOR 10 mounted longitudinally at rear
VGT Turbocharged (air-air) with intercooler, water cooled,
4 stroke Diesel cycle

Electronically-controlled injection pump

6 cylinders in line, 4 valves by cylinder

Decompression engine brake

Bore X Stroke 125 x 140 mm

Total Displacement 10 308 cm³

Max. power output 280 kW (380 Hp)

Max. torque 1600 Nm

Measured in accordance to standard 88/195/EC

Gassy emissions comply with CE 88/77*2001/27A

Euro 4 Standards

✚ 330 KW (450Hp) – 2100 Nm

✚ Euro 5

✚ EEV

Radiator and fan located on the rear overhang on the left-hand side in a longitudinal position; hydrostatic operation

Cruise control; integrated with speed limiter

Gear driven power steering compressor and pump with recirculating ball power steering

Double cartridge fuel filter. Fuel pre-filter with manual pump and water separator

Large capacity air filter with blockage warning

Manual start and cut-out in engine compartment

CLUTCH

Single dry plate – 17" (430 mm) diameter

Hydraulically operated with Pull-type pneumatic assistance

Automatic clearance adjustment

GEARBOX

ZF 6S-1600 (for 380Hp version only)

1 st	7.72:1	4 th	1.79:1
2 nd	4.42:1	5 th	1.28:1
3 rd	2.66:1	6 th	1.00:1
		Reverse	7.1:1

Joy-Stick control of the gearbox

ZF AsTronic 12 (for 450Hp version only)

1 st	12.53	7 th	2.70
2 nd	9.59	8 th	2.10
3 rd	7.44	9 th	1.63
4 th	5.78	10 th	1.27
5 th	4.75	11 th	1.00
6 th	3.55	12 th	0.78
		Reverse	11.41

Joy-Stick control of the gearbox

Voith D864.5 (for 380Hp version only)

1 st	5.05:1	3 rd	1.00:1
2 nd	1.36:1	4 th	0.73:1
		Reverse	4.3:1

FRONT AXLE

Independent Front Wheels ZF RL75E designed for air suspension

REAR AXLE

Single reduction stress-bearing axle, MC13-165.

	ZF 6S-1600	ZF AsTronic	VOITH D864.5
Std ratio	3.21	3.42	4.89

Other ratio available as opt.

	ZF 6S-1600	ZF AsTronic	VOITH D864.5
Opt ratio	3.42	3.73	5.12

CHASSIS

In stress bearing steel

Constant width side members shaped above the front and rear axles, with reinforcements above and below welded to an adjustable central structure

Suitable for modular bodies, with the possibility of setting the wheelbase from 5 900 mm to 6 900 mm

SUSPENSION

Full Pneumatic. Continuous automatic set-up correction, regardless of load conditions

Standard suspension set-up for high bodied vehicles

✚ Electronic controlled air suspension

✚ Suspension adjustment for lifting/lowering

Front axle:

2 air cushions, 2 dual-effects shock absorbers with leveling valve; each wheel unit fixed by lower/upper triangular reaction bars and one anti-roll bar

Rear axle:

4 air cushions, 4 dual-effect shock absorbers, one anti-roll bar and 2 leveling valves. Parallelogram-shaped section for fixing the axle to the chassis, with 2 lower longitudinally-positioned reaction bars and 2 upper reaction bars in a "V" configuration

BRAKES

Service and Emergency Brakes:

Dual circuits, one per axle

Foot brake acts on all wheels

Front & Rear axle: disc, pneumatic; braking surface area 816x2 cm²

Brake wear sensor on pads/linings – both axles

Emergency braking by division of 2 circuits

ABS+ASR

Parking Brake:

Spring actuators on rear wheels, pneumatically controlled

Acts as an emergency brake if needed

Mechanical release in the event of failure

Emergency brake:

Acts on that part of the service brake, front or rear, which is not affected by the failure

Air system:

630 cm³ twin cylinder compressor

Operating pressure 8.5 bar

Air dryer with regulator; centrifugal decanter

3 x 25 litre tanks and 1 x 5 litre tank

20 litre tank with ZF Astronic gearbox

Retarder:

ZF 6S 1600: Telma electromagnetic or Intarder ZF

Voith D 864.5 & ZF Astronic: integrated in gearbox, foot-pedal controlled

DRIVE / STEERING

Left hand side driver's position.

Right hand side driver's position only in AsTronic version

Recirculating ball power steering, type ZF 8098

Steering wheel diameter 470 mm, adjustable for height and rake

WHEELS / TYRES

Disc Wheels 8,25 x 22,5"

Tyres 295/80 R 22,5

✚ Alcoa rims

ELECTRICAL SYSTEM

Supply Voltage 24 V

Batteries 2 x 12 V -180 Ah

Starter motor 5.5 kW

2 Alternator 140 – 80 A (28 V)

Fuse protected circuits, electromagnetic battery cut-out, power socket in rear compartment, provision for preventing operation when the doors are open

Central switch for emergency control

Anti-corrosion, water/dust proof connecting elements.

✚ 2 Batteries 220 Ah

✚ Starter blocking

✚ Wheel cover

MISCELLANEOUS

Electronic tachograph for 2 drivers (EC)

2 Fuel tank x 260+240 l - total 500l in steel

AdBlue tank 60l

OTHER OPTIONAL

✚ Automatic oil filling

✚ VDO digital tachograph

✚ Main optional