



Trucks
Buses

VW Constellation 24.250

Technical Specifications



VW Constellation 24.250

Engine

Manufacturer / Model	Cummins Interact 6.0 Turbo Intercooler
Cylinders / Displacement (cm³)	6 / 5.880
Maximum net power - cv @ rpm (*)	250 (184) @ 2.500
Maximum net torque - Nm @ rpm (*)	950 (97) @ 1.200 - 1.700
Injection system	Common Rail

Air compressor	
Emission standard	Euro III
Emissions technology	

(*) Values according to ISO 1585

Transmission

Manufacturer / Model	Eaton FS 6.306 B
Type / Actuation	Manual / cables
Speeds	6 forward (synchronized) and 1 reverse
Gear Ratios:	
1st / Last	8,03:1/1,00:1
Reverse	7,70:1
Axle configuration	6x2

Clutch

Manufacturer / Model	Sachs / Dry, single disc and organic lining
Disk Diameter (mm)	395

Front Axle

Manufacturer / Model	Sifco 13K
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Rear Axle

Manufacturer / Model	Meritor MS 23-245
Ratio	4,10/5,59:1 or 4,56/6,21:1

Suspension

Front	Rigid axle, springs semi-elliptical, double stage, shock absorbers hydraulic, double action, torsion bar standard
Rear	Tag-tanden with rocker + electropneumatic lifter for auxiliary axle, springs semi-elliptical asymmetric trapezoidal, auxiliary 3rd axle - type tubular beam with electropneumatic lifter, model suspensys tag axle 1830 - 15x7"

Frame

Type	Ladder type, straight side member in constant "U" profile, bolted and riveted
Material	LNE 280

Wheels and Tires

Rims	Steel (22.5 x 7.5) or Steel (8.25 x 22.5)
Tires	275/80 R22.5 or 295/80 R22.5

Brakes

Service Brakes	Full-air, "S" cam, front and rear drums
Parking Brake	Spring set
Engine brake type / Type	Exhaust pipe, throttle type valve

Electrical System

Voltage	24 V
Battery	2x (12 V - 135 Ah)
Alternator	80 A - 28 V

Refueling Volumes (L)

Fuel tank capacity and material	275 - Plastic
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Dimensions (mm) - Day cabin / Hight roof / Low roof

Wheelbase	A	3.560 / 4.800 / 5.207
Front overhang	B	1.511
Rear overhang	C	1.211 / 2.329 / 1.922
Total Length	D	7.506 / 9.864 / 9.864
Distance between rear axles	E	1.224
Height	H	2.907 / 2.907 / 3.224
Load platform height	I	1.077
Maximum width - front (with mirrors / without mirrors)	K	2.997 / 2.507
Maximum width - rear	L	2.426
Track width - front	M	2.113
Track width - rear	N	1.845
Ground clearance - front	O	226
Ground clearance - rear	P	246
Distance between spars (extremos)	Q	215
Turning diameter (m) - Wall to Wall		16,8 / 19,2 / 20,5

Weights (kg) - Day cabin / Hight roof / Low roof

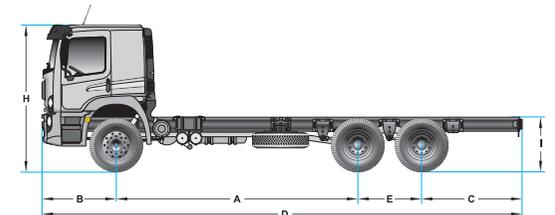
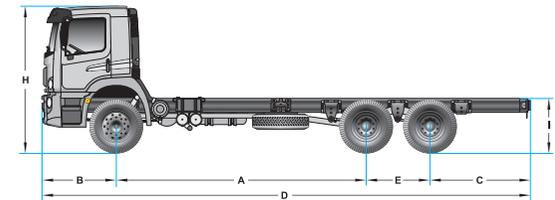
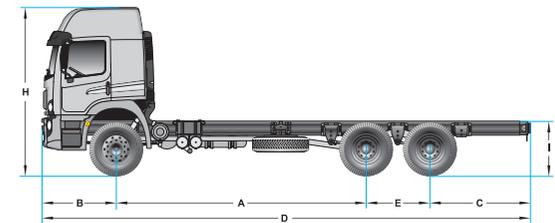
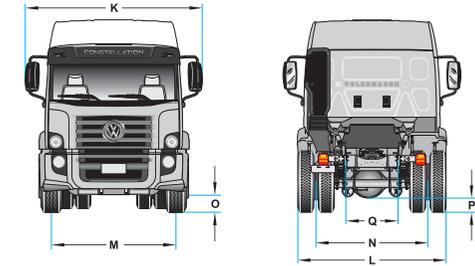
Curb weight	6.550 6.650 / 6.720 6.820 / 7.020 7.120
Front axle	3.330 3.380 / 3.360 3.410 / 3.490 3.540
Rear axle	3.220 3.270 / 3.360 3.410 / 3.530 3.580
Technical axle capacity	24.100
Front axle	6.100
Rear axle	18.000
Maximum Towing Capacity (MTC)	35.000
Payload (net load + implement/body)	17.550 17.450 / 17.380 17.280 / 17.080 16.980

Note: The weights can vary due to optional equipment with a maximum allowance of + or -3 %

Performance (theoretical calculations)

Rear axle ratio	4,10/5,59:1 4,56/6,21:1
Maximum speed (km/h)	114 102
Gradeability @ GVW (%)	31 37
Startability @ GVW (%)	24 27

Note: Data projected under simulated performance



Technical data subject to change without notice. Merely illustrative images.
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