



Trucks  
Buses

# VW Constellation 17.250

## Technical Specifications



# VW Constellation 17.250

## 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
Emission standard	Euro III

(\*) Values according to ISO 1585

## Transmission

Manufacturer / Model	Eaton FS 6306 B
Type / Actuation	Manual / cables
Speeds	5 forward (synchronized) and 1 reverse
Gear Ratios:	1 <sup>st</sup> / Last 8,03:1/1,00:1
	Reverse 7,70:1
Axle configuration	4x2

## 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 (double)
Ratio	4,10/5,59:1

## Front Suspension

Type	Rigid axle
Springs	Semi-elliptical, double stage
Shock absorbers	Hydraulic, double action
Torsion bar	Standard

## Rear Suspension

Type	Rigid axle
Main springs	Semi-elliptical, progressive action
Auxiliary springs	Parabolic
Shock absorbers	Hydraulic, double action
Torsion bar	Optional

## Frame

Type	Ladder type, straight side member in constant "U" profile, bolted and riveted
Material	LNE 380

## Wheels and Tires

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

## Brakes

Service Brakes	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 / High roof / Low roof

Wheelbase	A	4.340 / 4.800 / 5.207
Front overhang	B	1.511
Rear overhang	C	2.180 / 2.332 / 2.332
Total Length	D	8.031 / 8.643 / 9.050
Height	G	2.907 / 2.907 / 3.224
Maximum width - front (with mirrors / without mirrors)	J	2.997 / 2.507
Maximum width - rear	K	2.426
Track width - front	L	2.105
Track width - rear	M	1.835
Ground clearance - front	N	260
Ground clearance - rear	O	246
Turning diameter (m) - Wall to Wall		17,3 / 18,7 / 19,9

## Weights (kg) - Day Cabin / High roof / Low roof

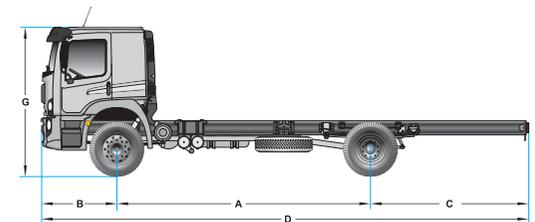
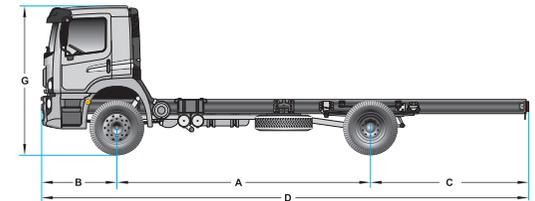
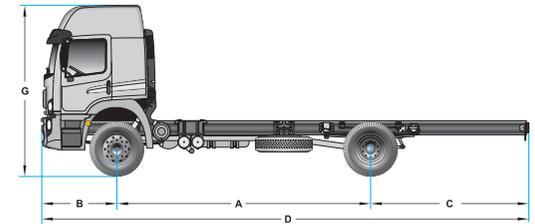
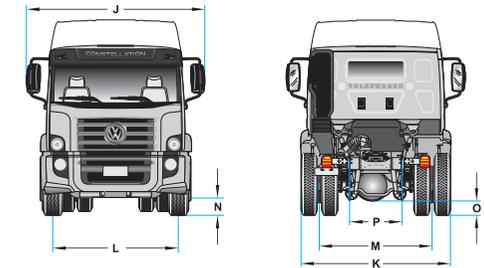
Curb weight	5.250 / 5.300 / 5.590   5.350 / 5.400 / 5.700
Front axl	3.330 / 3.350 / 3.480   3.390 / 3.410 / 3.550
Rear axl	1.920 / 1.950 / 2.110   1.960 / 1.990 / 2.150
Technical axle capacity	17.100
Front axle	6.100
Rear axle	11.000
Maximum Towing Capacity (MTC)	35.000
Payload (net load + implement/body)	11.850 / 11.800 / 11.510   11.750 / 11.700 / 11.400

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
Maximum speed (km/h)	114
Gradeability @ GVW (%)	47
Startability @ GVW (%)	35

Note: Data projected under simulated performance



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