



Trucks
Buses

VW Constellation 17.250 Tractor

Technical Specifications



VW Constellation 17.250 Tractor

Engine

Manufacturer / Model	Cummins Interact 6.0 Turbo Intercooler
Cylinders / Displacement (cm ³)	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 st / 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

Suspension

Front	Rigid axle, springs semi-elliptical, double stage, shock absorbers hydraulic, double action, torsion bar standard
Rear	Rigid axle, main springs semi-elliptical, progressive action, auxiliary springs parabolic, shock absorbers hydraulic, double action (optional) (Standard for WB 3560mm), torsion bar optional (not available for WB 3560mm)

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 - 100 Ah)* / 2x (12 V - 135 Ah)
Alternator	80 A - 28 V

Refueling Volumes (L)

Fuel tank capacity and material	2x 275 - Plastic
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Dimensions (mm) - Day cab / Low roof / High roof

Wheelbase	A	3.560
Front overhang	B	1.511
Rear overhang	C	1.016
Total Length	D	6.087
Height	G	2.907 / 2.907 / 3.224
Distance between the fifth wheel and rear axle	H	522 / 622 / 722
Fifth wheel height		1.113 / 1.233
Maximum width - front (with mirrors / without mirrors)	K	2.997 / 2.507
Maximum width - rear	L	2.426
Track width - front	M	2.105
Track width - rear	N	1.835
Ground clearance - front	O	260
Ground clearance - rear	P	246
Turning diameter (m) - Wall to Wall		15

Weights (kg) - Day cab / Low roof / High roof

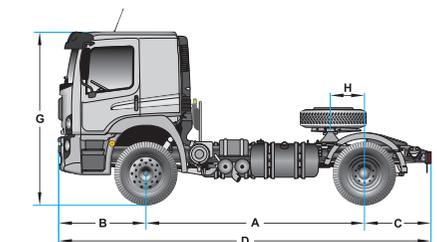
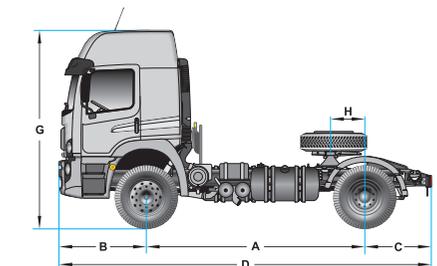
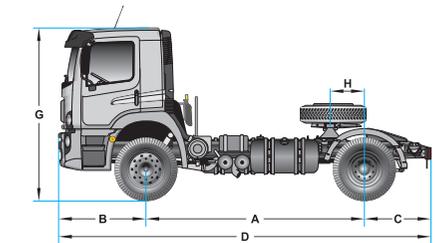
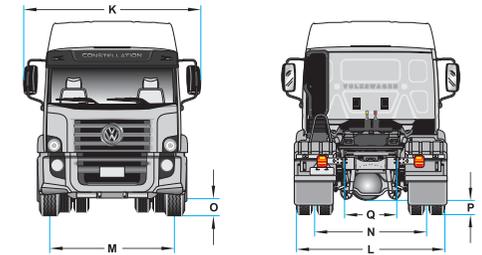
Curb weight (Total)	5.830 5.950
Front axle	3.750 3.830
Rear axle	2.080 2.120
Technical axle capacity (Total)	17.100
Front axle	6.100
Rear axle	11.000
Maximum Towing Capacity (MTC)	35.000
Payload (net load + implement/body)	29.170 * / 29.050

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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