



TB 2175 RT 170 L

Sales specification

Engine 8.65 l. EURO 1 version
170 kW
Suspension Leaf suspension

Weights in kilograms

Series	Gross Vehicle Weight (GVW)			Chassis Weight		
	front	rear	total	front	rear	total
Design Max.	7,000	11,600	18,600	3,680	2,680	6,360

Weights calculated with:

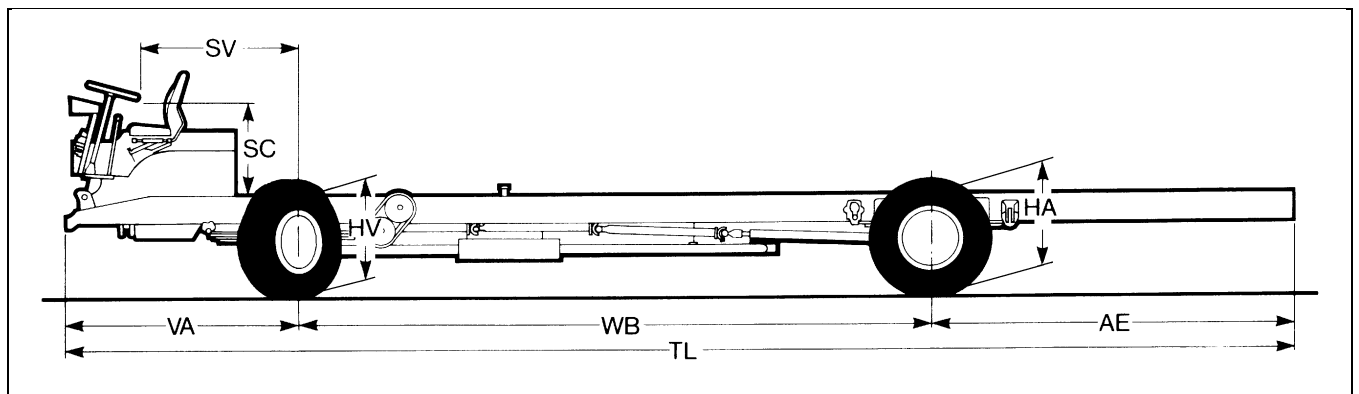
RT 170 L engine, gearbox S6-85, WB 5.70, 1 x 325 litre fuel tank (empty), with spare wheel, without transport equipment

Weight tolerance $\pm 3\%$.

These weights vary in production and are intended as a guide only.

Dimensions in metres:

WB	TL	VA	SV	SC	HV ^{1,3}	HA ^{1,3}	AE	AM	TB ^{2,3}
5.70	11.23	2.23	1.25	0.85	1.04	1.07	3.30	1.61	2.48
6.25	11.98	2.23	1.25	0.85	1.04	1.07	3.50	1.61	2.48



PERFORMANCE

Max. theoretical speed in km/h with 12.00 - R20 tyres:

Max. Engine rpm: 2300 revs

Axle ratios

S6-85 (7.72-1.00:1)	83	5.63	92	5.13	103	4.56
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¹ HV and HA at unladen kerb weight

² TB: overall width, measured over driven axle.

³ with 12.00 - R20 tyres

Engine

Type	RT 170 L (NOx < 8g/kWh) Meets EURO 1 emission standards.
Max.output ¹⁾	170 kW / 231 hp at 2300 rpm
Max.torque ¹⁾	825 Nm / 609 lbf.ft at 1400 rpm
	6 cylinder Turbo, vertically mounted in front of chassis.
Bore and stroke	118 x 132 mm
Piston displacement	8.65 litres
Compression ratio	16.5:1
Fan	V-belt driven, 8 blades, 495 mm diam.
Cooling system	liquid cooling with centrifugal pump and pressure relieved thermostat.
Governor	all-speed
Lubrication system	forced lubrication, oil filter with replaceable element.
Air intake system	dry-type air cleaner with integrated cyclone and replaceable element

¹⁾ECE R24-03 (ISO 1585)

Construction

Completely flat topped frame, riveted and bolted construction of channel section mainframe and cross members, towing bar in front bumper.

Fuel tank	1 x 325 litres, behind front axle at left hand side.
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Clutch

Single dry plate, hydraulically operated and pneumatically assisted.

Diameter	380 mm (F&S) spring type
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Gearbox

Type	S6-85, manual shift gearbox, (7.72-1.00:1)
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Steering axle

Front axle type	N 152
I-section axle, stub axles with needle bearings.	

Driven axle

Type	1339
Fully floating single-reduction rear axle. Crownwheel and pinion with hypoid bevel gearing.	
Ratio	5.63:1 5.13:1 4.56:1

Suspension

Semi elliptic leaf suspension. Heavy duty version. Double-acting telescopic shock absorbers and stabilisers on both axles.

Steering gear

Type	hydraulic power steering non-adjustable steering column
Turning angle:	47° inner wheel (50° with 295/80 R22,5 wheels)
Steering ratio:	19.2:1
Turning circle radius (Outer front wheel)	(with 12.00 R20 tyres) WB 5.70 m: 9.25 m WB 6.25 m: 10.00 m
Left-hand drive version.	

Brake system

Dual circuit air brakes with manual slack adjusters. Drum brakes on steering and driven axle.

Brake dimensions:	
- steering axle	lining dimensions 420 x 150 mm
- driven axle	lining dimensions 420 x 200 mm
Air reservoir	2 x 36 + 1 x 20 litres
Handbrake	by means of spring brake actuators on driven axle
Exhaust brake.	

Electrical equipment

Voltage	24 V
Alternator	80 A
Batteries	2 x 165 Ah
Starter	5.2 Kw
Main switch	with Electronic Distribution Centre comprising: printed circuit with relais. Electronic control units incorporated
EDC	

Instruments and controls:

500 mm f soft grip steering wheel, throttle control with rod linkage. Dashboard. Complete instrument panel suitable for integrating in the facia comprising:

Instruments:

Tachograph (2 drivers without rev. registration, km/h + m/h), electronic rev.counter, fuel gauge, voltmeter, coolant temperature gauge with audible signal, air pressure gauge with audible signal, oil pressure gauge.

Switches:

Main switch, contact starter switch integrated with steering lock, instrument panel lighting (variable intensity), hazard warning lights, headlamp dipped and main beam, cigar lighter/inspection lamp socket.

Multi-function switch for: direction indicators,windscreen wipers (2-speed) intermittent wipe/wipe-wash,headlamp main beam/dipped beam, headlamp flasher, horn.

Indication lights:

Indication lights for: headlights dimmed/main beam, direction indication, hand brake, air pressure low, battery charge, oil pressure, coolant temperature, air cleaner.

Wheels and tyres

8.5 x 20 Trilex wheels with 12.00 - R20 radial tube type tyres.

Twin wheels on driven axle.

Optional:	295/80 R 22,5 or 315/75 R 22,5 disc type wheels
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Further Equipment:

Set of tools.

Vehicle versions are subject to country specifications
Subject to modification without prior notice.