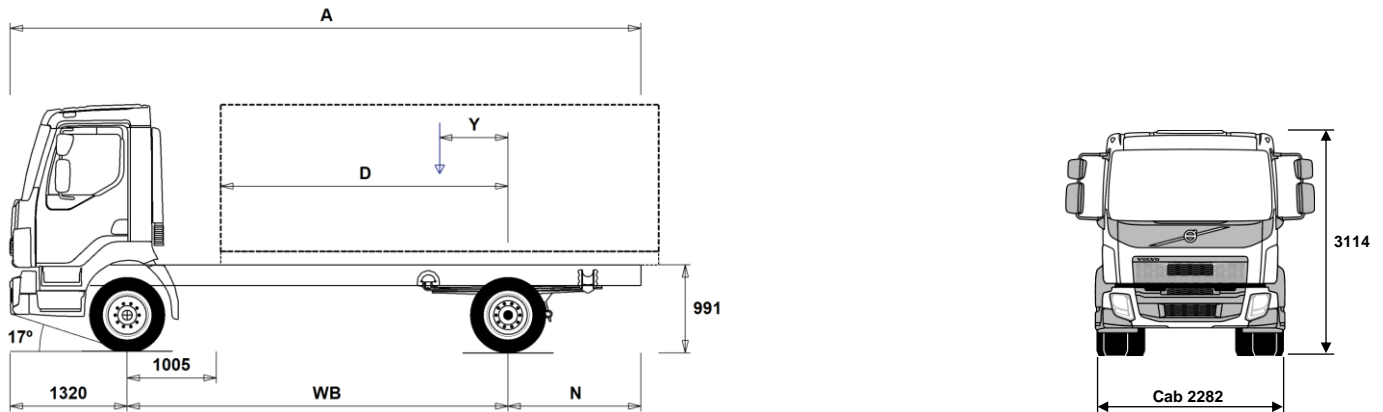


MODEL RANGE



Volvo Trucks. Driving Progress

FL512 4x2 Road Sweeper 12 tonne - Steel Suspension FL 42 RS512L



Chassis Dimensions [mm]

WB Wheelbase	3150	3350
A Overall Chassis Length	5500	5700
D Center of rear axle to front of body	2095	2295
N Rear Overhang	1030	1030
Y Center of Gravity for Payload (Min.)	373	396
Y Center of Gravity for Payload (Max.)	454	482

Chassis Weights [kg]

Front Axle	3085	3085
Rear Axle	1175	1180
Kerb Weight	4260	4265
Payload (including body, driver, fuel, etc.)	7740	7735

Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	11300	11900
Turning Circle Diameter Wall to Wall	12600	13200

Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	12000	12000
Gross Combination Weight	16500	16500
Front Axle	4200	4200
Rear Axle	8000	8000

Important Notes

Chassis Dimensions

D-measure includes a front clearance of 50 mm and for rigid trucks also a subframe of 120 mm.

Height can vary ± 20 mm for leaf and ± 10 mm for air suspension.

All dimensions are for unladen chassis and any tag axles down.

Weight and dimensions are based upon the following tyres:

Front Axle Tyres:	10R17.5
Drive Axle Tyres:	10R17.5

Chassis weight includes oil, water, AdBlue, 0 litres fuel and without driver. Kerb weight can vary $\pm 3\%$.

Turning diameters are theoretically calculated.

Legal weights can differ from country to country.

For more detailed weight information, including optional equipment weights, ask your Volvo sales contact to enter your specification into the Volvo Weight Information system (WIS).

Do NOT use this drawing for bodybuilding. Refer to Volvo Bodybuilder Instructions and chassis assembly drawing FL42RS512L.

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CORE COMPONENTS

- **CHH-LOW** Chassis height low - For a specific loading height always check the unique BEP chassis drawing
- **RAD-L80** 80mm parabolic rear springs
- **EU6SCR** Emission level - Euro 6
- **D5K210** D5K210 four cylinder 5.1 litre engine developing 210hp at 2200rpm.
Peak torque 800Nm at 1100-1700rpm.
- **D5K240** D5K240 four cylinder 5.1 litre engine developing 240hp at 2200rpm.
Peak torque 900Nm at 1100-1600rpm.
- **EBR-EPG** Exhaust brake producing 120kW at 2800rpm controlled by steering column switch
- **STO8006** 6 speed overdrive gearbox, 850 Nm
- **ZTO1006** 6-speed overdrive gearbox
- **RSS0819A** RSS0819A single reduction rear axle - design GCW 18.7 tonne with differential lock

Packages

- **DRIVEFL** NEW drive package FL
- **VISIFL** NEW visibility package FL
- **AUDIODAB** Digital DAB AM/FM Radio with Bluetooth - without CD player
- **AUDIOPD** Preparation for DAB radio including amplifier and aerial

CHASSIS

- **FST-PAR** Parabolic front springs with shock absorbers and anti roll bar
- **RSTAB1** Rear anti-roll bar
- **EBS-MED** EBS+ package including traction control & hill hold
- **EBS-STD** EBS standard package without traction control
- **RST-PAR4** Assymetric parabolic rear springs - for short rear overhang
- **FST7070** Frame thickness 7mm
- **2BATT170** 2 x 170 Ah capacity batteries on left hand side
- **UR-FUEL** Without right fuel tank
- **UL-FUEL** Without left fuel tank
- **ADTP-R** AdBlue tank on right hand side
- **WHC-FIX1** One wheel chock
- **TOWF-NO1** One towing device in front.
- **TOWF-NO2** Two towing devices in front.
- **RUP-FIX2** Fixed rear EC approved aluminium underrun
- **RFEND-T** Mudwings on drive axle for transportation only

WHEELS & TYRES

- **SPWT-F** Spare wheel & tyre with front tyre pattern
- **SWCP-T** Spare wheel supplied temporarily strapped to chassis
- **SWCP-TP** Spare wheel carrier transport mounted on frame (spare wheel carrier not included)
- **JACK-6T**
- **GAUGE-TP** Tyre pressure gauge

DRIVELINE EQUIPMENT

- **CS39A-O** Single plate 395mm (16") clutch
- **1COMP500** Single cylinder air compressor 360 cc / 500 l/min
- **ACL1ST** Air cleaner with one filter element
- **24AL110B** 110 amp alternator
- **CCV-C** Closed crankcase ventilation
- **PTER-100** Rear engine mounted power-take-off with DIN 7476 flange
- **PTER-DIN** Rear engine mounted PTO with DIN5462 (female) splined shaft for a close coupled pump

- Standard Equipment □ Optional Equipment

For more detailed information about cab and powertrain equipment, please refer to separate specification sheets.

For all possible options and combinations of options please consult your Volvo sales contact who can create a specification to match your requirements using the Volvo Sales Support system (VSS).

The factory reserves the right to modify design and change equipment without previous notification. The specification can vary from country to country.

- **PTER1400** Rear engine mounted power-take-off with SAE 1410 flange
- **PTR-FH5** Rear PTO Gearbox S88 flange DIN connection
- **PTR-PH4** Rear PTO Gearbox S88 pump DIN connection
- **ETC** Electronic throttle control - dash mounted switch for PTO speed control

CAB INTERIOR

- **STWPOS-L** LEFT HAND DRIVE
- **STWPOS-R** RIGHT HAND DRIVE

CAB EXTERIOR

- **SUNV-B** Exterior sun visor - smoked grey
- **SUNV-PK** Sunvisor installation preparation kit
- **AD-ROOF** Fixed cab roof air deflector - not adjustable
- **BEACON-P** Beacon preparation
- **BEACONA2** Two amber beacons directly mounted to cab roof

SUPERSTRUCTURE PREPARATIONS

- **FBA-BTSF** Lower front body attachments for torsionally semi-flexible body - box or curtainsider

DELIVERY SERVICES

- **TGW-4G** GSM/GPRS/4G modem, WLAN for telematics gateway
- **WVTA** Whole Vehicle Type Approved - MANDATORY for standard truck

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VOLVO

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