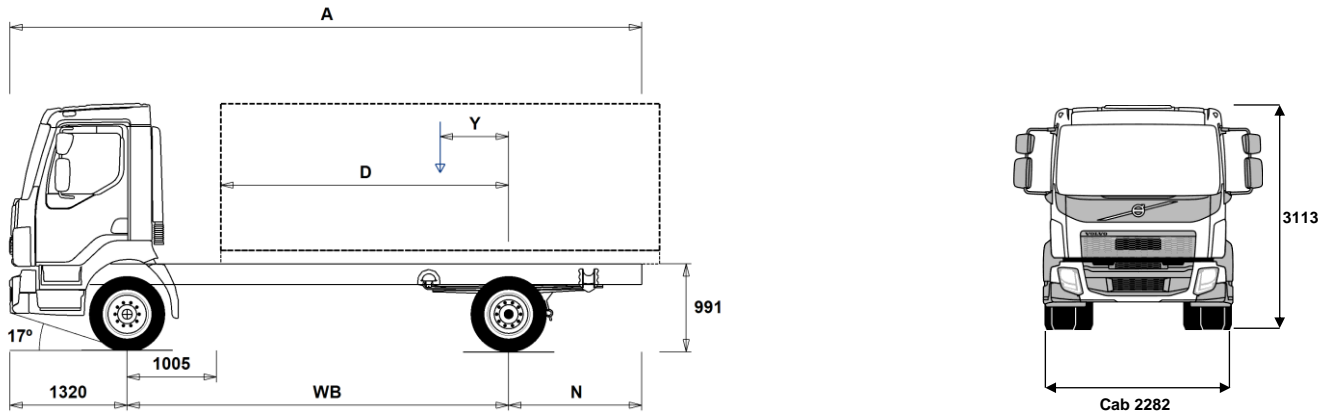


MODEL RANGE



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.) | 363 | 386 |
| Y Center of Gravity for Payload (Max.) | 444 | 472 |

Chassis Weights [kg]

| | | |
|--|------|------|
| Front Axle | 3100 | 3105 |
| Rear Axle | 1105 | 1110 |
| Kerb Weight | 4205 | 4215 |
| Payload (including body, driver, fuel, etc.) | 7795 | 7785 |

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 loading heights check the unique BEP chassis drawing
- **RAD-L80** 80mm parabolic rear springs
- **CAB-DAY** Cab - Day - with steel safety cage design. Designed and built to Swedish impact and ECE R29 regulations
- **EU6SCR** Emission level - Euro VI step D
- **D5K210** Engine - D5K210 four-cylinder 5.1 litre developing 210hp at 2200rpm.
Peak torque 800Nm at 1100-1700rpm.
- **D5K240** Engine - D5K240 four-cylinder 5.1 litre developing 240hp at 2200rpm.
Peak torque 900Nm at 1100-1600rpm.
- **STO8006** Gearbox - Manual 6-speed overdrive
- **ZTO1006** Gearbox - Manual 6-speed overdrive
- **EBR-EPG** Engine Brake Type - Exhaust - producing 120kW at 2800rpm
- **RSS0819A** Drive Axle - RSS0819A single reduction with differential lock - design GCW 18.75 tonne

Packages

- **DRIVEFL** Cab Package - Drive
- **VISIFL** Visibility Package -
- **AUDIODAB** Audio System - Digital DAB AM/FM Radio with Bluetooth - without CD player
- **AUDIOPD** Audio - Preparation for DAB radio including amplifier and aerial

CHASSIS

- **FST-PAR** Front suspension type - Parabolic front springs with shock absorbers and anti-roll bar
- **RSTAB1** Rear anti-roll bar - Normal stiffness
- **EBS-MED** Brake package - EBS medium including traction control & hill hold
- **EBS-STD** Brake package - EBS standard package without traction control
- **RST-PAR4** Assymetric parabolic rear springs - for short rear overhang
- **FST7070** Chassis frame thickness - 7 mm web and flange
- **2BATT170** Battery Capacity - 2 x 170 Ah on the left-hand side
- **UR-FUEL** Without right fuel tank
- **UL-FUEL** Without left fuel tank
- **ADTP-R** Adblue tank position - Chassis mounted on the right-hand side
- **WHC-FIX1** Wheel chock - One fixed design
- **TOWF-NO1** Front towing device - One pin in bumper
- **TOWF-NO2** Front towing device - Two pins in bumper
- **RUP-FIX2** Rear underrun protection - Fixed EC approved
- **RFEND-T** Rear mud wings - Temporary on drive axle for transport delivery only

WHEELS & TYRES

- **RT-ALDP** Wheels - Alcoa Dura-Bright aluminium rims - standard holes for long stud fixing
- **RT-STEEL** Wheels - Steel rims
- **SPWT-F** Spare wheel & tyre - Spare 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

- 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.

- **CS39A-O** Clutch - Single plate 395mm (16")
- **1COMP500** Air compressor - Single cylinder 360 cc - 500 litres per minute
- **ACL1ST** Air filter - Single element
- **24AL110B** Alternator capacity - 110 amp
- **CCV-C** Closed crankcase ventilation
- **PTER-100** Engine power-take-off - Rear-mounted with DIN100/ISO7646 flange
- **PTER-DIN** Engine power-take-off - Rear-mounted with DIN5462 (female) splined shaft for a close-coupled pump
- **PTER1400** Engine power-take-off - Rear-mounted 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** Steering wheel position - LEFT-HAND DRIVE

CAB EXTERIOR

- **SUNV-B** Exterior sun visor - Smoked grey
- **SUNV-PK** Exterior sun visor preparation kit only
- **BEACON-P** Roof beacons - wiring preparation only
- **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** Telematics gateway - GSM/GPRS/4G modem, WLAN
- **WVTA** EC Whole Vehicle Type Approved

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VOLVO

Volvo Truck Corporation
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