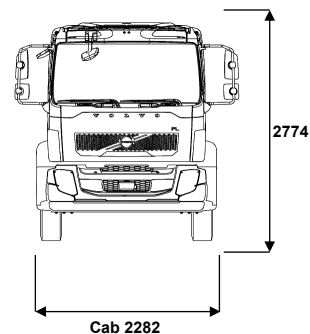
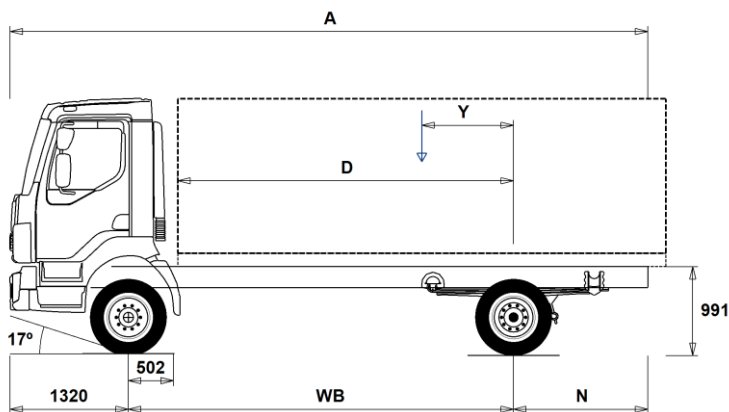


MODEL RANGE

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	2598	2798
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	0	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.

MODEL RANGE

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

CORE COMPONENTS

- **CHH-LOW** Chassis height - Low - for loading heights check the unique BEP chassis drawing attached to this quote
- **RAD-L80** Rear suspension - 80mm parabolic rear springs
- **FL-DAY2** Cab - Day, with steel safety cage design. Designed and built to Swedish impact and ECE R29 regulations
- **EU6SCR** Emission level - Euro VI step E
- **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 brake controlled by steering column switch
- **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 - 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 - Without
- **RST-PAR4** Rear suspension - Asymmetric 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** Right fuel tank - Without
- **UL-FUEL** Left fuel tank - Without
- **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 - Howmet 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

■ 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.

DRIVELINE EQUIPMENT

- **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
- **TAS-DIG4** Smart tachograph - Continental VDO 4.1 version 2 - legal demand from 21/08/2023
- **TSRS** Intelligent speed assist & road sign recognition

CAB EXTERIOR

- **SUNV-B** Exterior sun visor - Smoked grey
- **SUNV-PK** Exterior sun visor preparation kit only
- **BEACON-P** Roof beacons - switch and wiring preparation only
- **BEACONA2** Roof-mounted beacons - Two LED amber beacons mounted direct on roof

SUPERSTRUCTURE PREPARATIONS

- **FBA-BTSP** Lower front body attachments - For torsionally semi-flexible body - box or curtainsider

DELIVERY SERVICES

- **TGW-4G** Telematics gateway - GSM/GPRS/4G modem, WLAN
- **WVTA** Whole Vehicle Type Approved - First stage chassis cab

MODEL RANGE

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

Volvo Trucks. Driving Progress