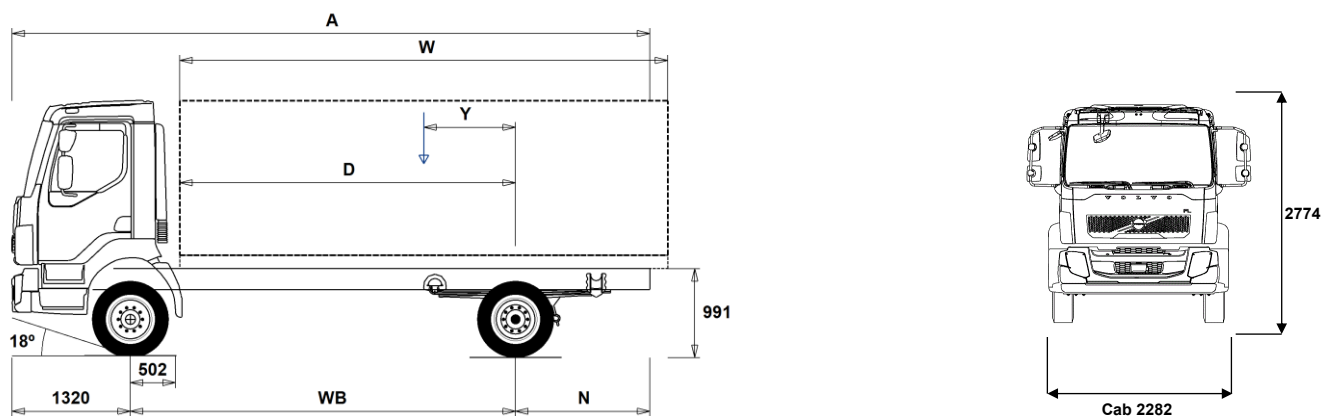


MODEL RANGE

FL 42 R 5l Gvw12 Road Sweeper Leaf 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.)	356	378
Y Center of Gravity for Payload (Max.)	437	464
W Body Length (Min.)	4323	4667
W Body Length (Max.)	4485	4808

Chassis Weights [kg]

Front Axle	3120	3125
Rear Axle	1100	1105
Kerb Weight	4220	4230
Payload (including body, driver, fuel, etc.)	7780	7770

Turning Diameter [mm]

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

Plated Weights [kg]

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

Design

12000
16500
4200
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 - approx. 850 mm above ground level
- **RAD-L80** Rear leaf suspension - one axle, driving (80 mm wide leafs)
- **FL-DAY2** FL Day cab
- **EU6SCR** Euro 6 with SCR, particulate filter and EGR, Turbo-S
- **D5K210** Diesel engine, Euro 6, 5.1 litres, 210 hp/154 kW, 800 Nm
- **D5K240** Diesel engine, Euro 6, 5.1 litres, 240 hp/177 kW, 900 Nm
- **STO8006** Manual 6-speed gearbox, 850 Nm
- **ZTO1006** Manual 6-speed gearbox, 1050 Nm
- **EBR-EPG** Engine brake with exhaust pressure governor
- **RSS0819A** Rear single reduction solo axle - axle load 8 tonnes, GCW 18.75 tonnes

Packages

- **DRIVEFL** Driver convenience package FL
- **VISIFL** Visibility package FL
- **AUDIODAB** Audio system with DAB radio and DAB amplifier
- **AUDIOPD** Preparation kit for DAB radio, including DAB amplifier

Chassis

- **FST-PAR** Two-leaf front parabolic springs (normal stiffness)
- **RSTAB1** Rear anti-roll bar, normal stiffness
- **EBS-MED** EBS (Electronic Braking System), Medium package
- **EBS-STD** EBS (Electronic Braking System), Standard package
- **RST-PAR4** Short four-leaf parabolic rear springs with normal stiffness
- **FST7070** Frame thickness - web 7.0 mm / flange 7.0 mm
- **2BATT170** Batteries, 2x170 Ah
- **UR-FUEL** Without right side fuel tank
- **UL-FUEL** Without left side fuel tank
- **ADTP-R** AdBlue tank on right hand side
- **WHC-FIX1** One non-collapsible wheel chock
- **TOWF-NO1** One front towing device
- **TOWF-NO2** Two front towing devices
- **RUP-FIX2**
- **RFEND-T** Transport mudguard

Rims and tyres

- **RT-ALDP** Dura-Bright® polished aluminium rims with standard holes (long stud fixing) on all axles
- **RT-STEEL** Steel rims on all axles
- **SPWT-F** Spare front wheel
- **SWCP-T** Spare wheel transport-mounted on top of frame
- **SWCP-TP** Spare wheel and carrier transport-mounted on top of frame
- **JACK-6T** Hydraulic jack, 6 tonnes. Low manual pumping force facilitates use in uncomfortable positions. Has a release valve, which permits safe, easy and precise control over rate of lowering and a filter in the oil reservoir gives protection from contamination. Colour RAL 9004. Height 171-453 mm, weight 6.1 kg
- **GAUGE-TP** Tyre pressure gauge

Powertrain equipment

- **CS39A-O** Single-plate clutch, plate diameter 395 mm
- **1COMP500** Single-cylinder air compressor 360 cc, 500 l/min
- **ACL1ST** Air cleaner with one filter element
- **24AL110B** Alternator 110 Ampere
- **CCV-C** Closed crankcase ventilation

■ 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.

- **PTER-100** Rear engine, clutch-independent PTO, flange connection, DIN 100/ISO 7646
- **PTER-DIN** Rear engine, clutch-ind. PTO, splined shaft groove (fem), close-coupled pump DIN 5462/ISO7653
- **PTER1400** Rear engine, clutch-independent PTO, flange connection, SAE 1410/ISO 7647
- **PTR-FH5** Rear gearbox PTO with flange connection DIN 90/ISO 7646 for propshaft, 450 Nm
- **PTR-PH4** Rear gearbox PTO Hydrocar S88, connection DIN 5462/ISO 7653 for pump, 450 Nm
- **ETC** PTO speed control 900-1500 rpm with dash-mounted switch

Cab interior

- **TAS-DIG4** Gen 4 one-day digital tachograph, EC approved (GNSS & DSRC, EU 2020/1054)
- **TSRS** Road sign recognition
- **TSRS2** Road sign recognition (not ISA compliant)

Cab exterior

- **SUNV-B** Exterior front sun visor, transparent dark-grey
- **SUNV-PK** Preparation kit for exterior front sun visor (cab roof reinforcement)
- **BEACON-P** Preparation kit for roof beacons
- **BEACONA2** Two amber LED beacons on cab front roof

Superstructure preparations

- **FBA-BTSF** Front body attachment brackets, lower, for semi-flexible body

Services

- **TGW-4G**
- **WVTA** Whole Vehicle Type Approved

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