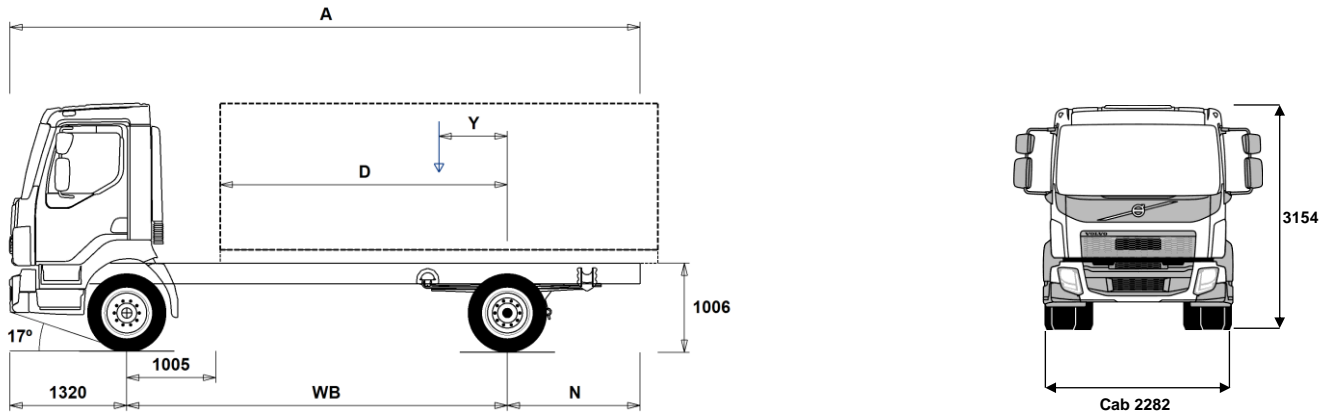


# MODEL RANGE



Volvo Trucks. Driving Progress

FL816 4x2 Road Sweeper 16 tonne - Steel Suspension FL 42 RS816L



## Chassis Dimensions [mm]

WB Wheelbase	3350	3600
A Overall Chassis Length	5700	5950
D Center of rear axle to front of body	2295	2545
N Rear Overhang	1030	1030
Y Center of Gravity for Payload (Min.)	488	523
Y Center of Gravity for Payload (Max.)	697	747

## Chassis Weights [kg]

Front Axle	3455	3465
Rear Axle	1275	1290
Kerb Weight	4730	4755
Payload (including body, driver, fuel, etc.)	11270	11245

## Turning Diameter [mm]

Turning Circle Diameter Kerb to Kerb	11900	12700
Turning Circle Diameter Wall to Wall	13200	14000

## Plated Weights [kg]

	Plated	Design
Gross Vehicle Weight	16000	16000
Gross Combination Weight	16500	16500
Front Axle	5800	5800
Rear Axle	10900	10900

## 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  $\pm 20$  mm for leaf and  $\pm 10$  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: 285/70R19.5  
Drive Axle Tyres: 285/70R19.5

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 FL42RS816L.

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## CORE COMPONENTS

- **CHH-MED** Chassis Height - Medium - 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
- **D8K250** Engine - D8K250 six-cylinder 7.7 litre developing 250hp at 2100rpm. Peak torque 950Nm at 900-1700rpm.
- **ZTO1006** Gearbox - Manual 6-speed overdrive
- **EBR-CEB** Engine Brake Type - Compression - producing 170kW at 2800rpm
- **EBR-EPG** Engine Brake Type - Exhaust - producing 120kW at 2800rpm
- **RSS1125A** Drive Axle - RS1125A single reduction with differential lock - design GCW 25tonne

## 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
- **FAL5.8** Front axle design capacity - 5.8 tonne
- **RAL10.9** Rear Axle Design Capacity - 10.9 tonne
- **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-AL** Wheels - Alcoa brushed aluminium rims - standard holes for long stud fixing
- **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-8T** 8 tonne bottle jack

■ 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.

- **GAUGE-TP** Tyre pressure gauge

## DRIVELINE EQUIPMENT

- **CS39A-O** Clutch - Single plate 395mm (16")
- **1COMP500** Air compressor - Single cylinder 360 cc - 500 litres per minute
- **2COM1080** Air compressor - Two-cylinder 1080 litres per minute
- **ACL1ST** Air filter - Single element
- **24AL110B** Alternator capacity - 110 amp
- **CCV-C** Closed crankcase ventilation
- **CCV-OX** Open crankcase ventilation with oil separator and a maintenance free gas centrifuge
- **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-FH1** Rear PTO Gearbox S81 flange DIN connection
- **PTR-FH2** Rear PTO Gearbox S84 flange DIN connection
- **PTR-FH5** Rear PTO Gearbox S88 flange DIN connection
- **PTR-PH1** Rear PTO Gearbox S81 pump DIN connection
- **PTR-PH2** Rear PTO Gearbox S84 pump DIN connection
- **PTR-PH4** Rear PTO Gearbox S88 pump DIN connection
- **PTR-ZF2** Rear Power Take Off flange DIN connection
- **PTR-ZF3** Rear Power Take Off Gearbox pump DIN connection
- **PTR-ZF4** Rear PTO Gearbox 320Nm flange connection
- **PTR-ZF5** Rear PTO Gearbox 320Nm pump connection
- **PTR-ZF6** Rear PTO Gearbox 320Nm flange 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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