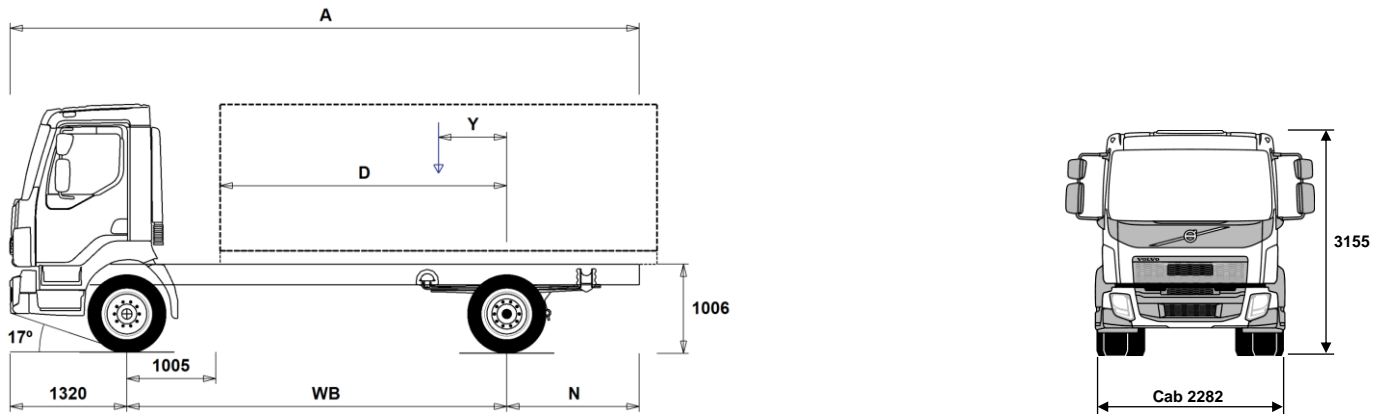


# MODEL RANGE



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.)	496	531
Y Center of Gravity for Payload (Max.)	705	756

## Chassis Weights [kg]

Front Axle	3440	3450
Rear Axle	1345	1355
Kerb Weight	4785	4805
Payload (including body, driver, fuel, etc.)	11215	11195

## 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 a specific loading height always check the unique BEP chassis drawing
- **RAD-L80** 80mm parabolic rear springs
- **EU6SCR** Emission level - Euro 6
- **D8K250** D8K250 six cylinder 7.7 litre engine developing 250hp at 2100rpm.  
Peak torque 950Nm at 900-1700rpm.
- **EBR-CEB** Exhaust brake producing 170kW at 2800rpm controlled by steering column switch
- **EBR-EPG** Exhaust brake producing 120kW at 2800rpm controlled by steering column switch
- **ZTO1006** 6-speed overdrive gearbox
- **RSS1125A** RS1125A single reduction rear axle - design GCW 25tonne 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
- **FAL5.8** Front axle design capacity 5.8 tonnes
- **RAL10.9** Rear axle design capacity 10.9 tonnes
- **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-8T** 8 tonne bottle jack
- **GAUGE-TP** Tyre pressure gauge

### DRIVELINE EQUIPMENT

- **CS39A-O** Single plate 395mm (16") clutch
- **1COMP500** Single cylinder air compressor 360 cc / 500 l/min
- **2COM1080** Two cylinder, air compressor, 1080 litres per minute
- **ACL1ST** Air cleaner with one filter element
- **24AL110B** 110 amp alternator
- **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.

- **PTR-100** Rear engine mounted power-take-off with DIN 7476 flange
- **PTR-DIN** Rear engine mounted PTO with DIN5462 (female) splined shaft for a close coupled pump
- **PTR1400** Rear engine mounted power-take-off 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** 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
- **VVTA** Whole Vehicle Type Approved - MANDATORY for standard truck

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