

**V O L V O**



Volvo Double Drum Compactors 3.7 t / 8,185 lb 49.6 hp

**DD35B**

Volvo Construction Equipment

# DD35B



## Power to perform

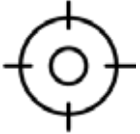
The new Tier 4 Final-compliant engine delivers high performance, without the need to stop for regeneration.



## Making the grade

The TwinLock™ traction control and torque transfer system minimizes drum slippage for superior drum control at all speeds, and in both directions.

# Compact machine, big performance



## Productivity on tap

A rustproof, pressurized, and optional triple filtered water system provides consistent flow to the drum surfaces, reducing asphalt pick-up.



## Consistent compaction

Prevent over-compaction with the auto-vibration system, which automatically engages vibration when the machine reaches approximately 2.4 km/h (1.5 mi/h), and disengages when the speed drops below 1.9 km/h (1.2 mi/h).



## Roll with the experts

Built on decades of engineering excellence, the machined drums produce a smooth, mark-free mat thanks to their chamfered and rounded edges.



## Intuitive operation

Consistent with other Volvo T4F compactors, the easy-to-use side console enables you to fine-tune adjustments while compaction is underway.



## Drive your costs down

Cut fuel consumption with the auto-idle option, which reduces the engine speed when controls are inactive for over sixty seconds.



## Transportability

For ease of transportation, the foldable ROPS option can be easily collapsed without the need for special tools.



## Comfortable and convenient

Stay comfortable in the updated operator's platform, offering a conveniently located cup holder and power port.



## Simple serviceability

For ease of maintenance, the hinged engine hood tilts forward, providing ground-level access to the engine and hydraulic components.

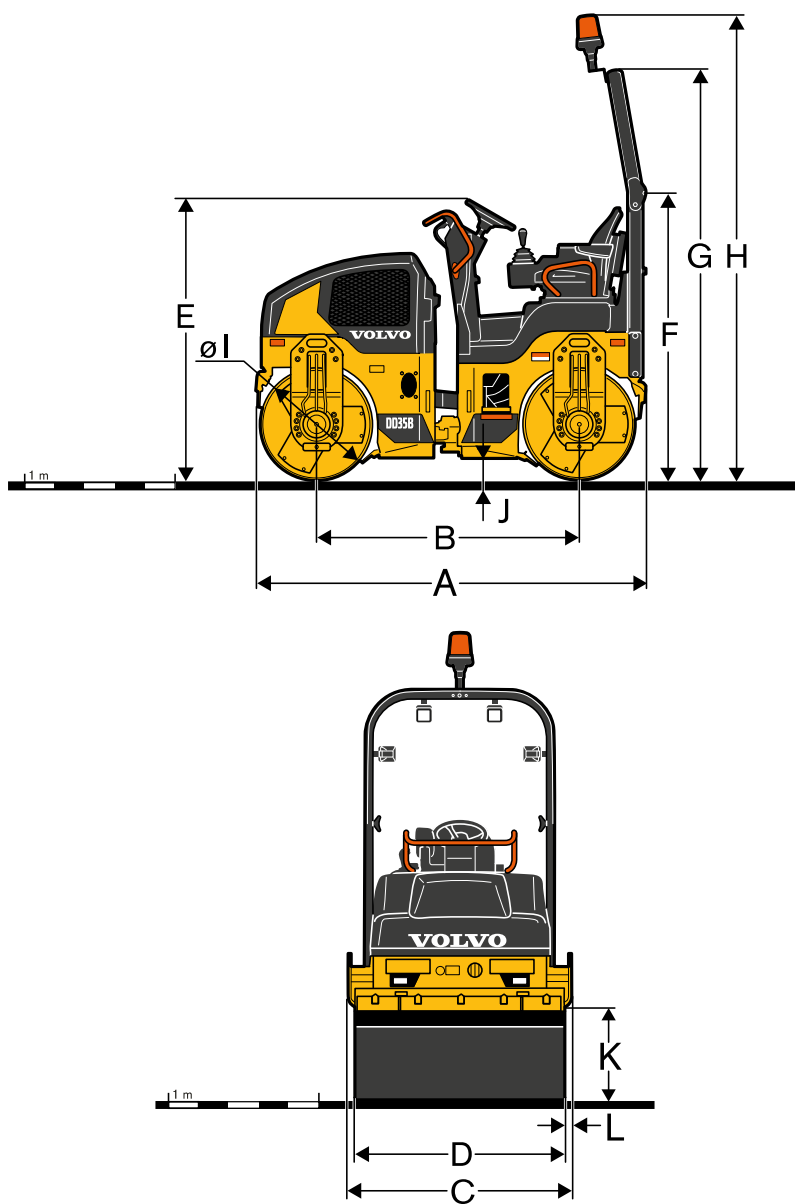


## All angles in view

Roll worry-free with an optimally positioned sliding seat and sloping engine hood design, offering 360° visibility.

# Specifications

| Model                                  |                          |  | DD35B     |         |
|--|--------------------------|--|-----------|---------|
| Machine weights (w/ ROPS)              |                          |  |           |         |
| Operating weight                       | kg                       | lb   | 3,713     | 8,185   |
| Weight @ front drum                    | kg                       | lb   | 1,783     | 3,930   |
| Weight @ rear drum                     | kg                       | lb   | 1,930     | 4,255   |
| Shipping weight                        | kg                       | lb   | 3,608     | 7,955   |
| Drum                                   |                          |  |           |         |
| Width                                  | mm                       | in   | 1,375     | 54.1    |
| Diameter                               | mm                       | in   | 736       | 29      |
| Shell thickness                        | mm                       | in   | 16        | .63     |
| Finish                                 | Machined, chamfered edge |  |           |         |
| Vibration                              |                          |  |           |         |
| Frequency                              | Hz                       | vpm  | 66.7      | 4,000   |
| Nominal amplitude                      | mm                       | in   | .33       | .013    |
| Centrifugal force                      | kN                       | lb   | 33        | 7,500   |
| Propulsion                             |                          |  |           |         |
| Type                                   |                          | Closed-loop, hydrostatic, TwinLock                               |           |         |
| Drum drive                             |                          | Pump: axial piston; Motor: radial piston, low speed, high torque |           |         |
| Travel speed                           | km/h                     | mi/h   | 0 - 10.2  | 0 - 6.4 |
| Engine                                 |                          |  |           |         |
| Make / model                           |                          | Kubota D1803-CR-TE4B   |           |         |
| Engine type                            |                          | 3-cylinder diesel  |           |         |
| Rated power @ 2,700 r/min              | kW                       | hp   | 37        | 49.6    |
| Electrical                             |                          | 12 volts DC, negative ground; 60 A alternator                    |           |         |
| Brakes                                 |                          |  |           |         |
| Service                                |                          | Dynamic hydrostatic through propulsion system                    |           |         |
| Parking secondary                      |                          | Spring-applied, hydraulically released (SAHR) on each drum drive |           |         |
| Water system                           |                          |  |           |         |
| Type                                   |                          | Pressurized  |           |         |
| Nozzles                                |                          | 5 per drum   |           |         |
| Filtration                             |                          | 80 mesh in-line with 100 mesh @ nozzles                          |           |         |
| Drum wipers                            |                          | Spring-loaded, self-adjusting, styrene wipers                    |           |         |
| Water tank capacity                    | l                        | gal  | 299       | 79      |
| Miscellaneous                          |                          |  |           |         |
| Articulation angle                     | °                        |  | + / - 30° |         |
| Oscillation angle                      | °                        |  | + / - 10° |         |
| Inside turning radius (to drum edge)   | mm                       | in   | 2,532     | 99.7    |
| Fuel tank capacity                     | l                        | gal  | 66        | 17.4    |
| Hydraulic oil capacity                 | l                        | gal  | 85        | 22.4    |
| Gradeability (theoretical)             | %                        |  | 37        |         |
| Guaranteed Sound Level                 |                          |  |           |         |
| Operator's Ear, acc. to ISO 11203:2009 | L <sub>pA</sub> dB(A)    |  | 88        |         |
| External, acc. to Directive 2000/14/EC | L <sub>WA</sub> dB(A)    |  | 106       |         |



| Dimensions | DD35B |       |
|------------|-------|-------|
|            | mm    | in    |
| A          | 2,566 | 101.0 |
| B          | 2,661 | 104.8 |
| C          | 1,485 | 58.5  |
| D          | 1,375 | 54.1  |
| E          | 2,664 | 104.9 |
| F          | 2,529 | 99.6  |
| G          | 1,828 | 72.0  |
| H          | 1,977 | 77.8  |
| I          | 1,725 | 67.9  |
| J          | 16    | 0.6   |
| K          | 740   | 29.1  |
| L          | 608   | 23.9  |
| M          | 57    | 2.2   |

# Equipment

## STANDARD EQUIPMENT

### Engine

- Battery Disconnect Switch
- US EPA T4F compliant engine

### Operator Environment

- Open ROPS
- Sliding operator seat
- Seat switch with timer delay
- Cup holder
- Anti-slip floor
- Seat belt
- Seat belt alarm
- 12 volt power point

### Vibration and drum system

- Single speed vibration
- Selectable vibration: front, both
- TwinLock™ anti-slip system

### Electrics and electronics

- Easily accessible fuses and relays
- Permanent fuel level display
- Permanent water level indicator
- Information display:
  - Fluid temperatures
  - Engine speed
  - Vehicle speed
- Emergency stop button

### Other

- Hand servicable spray nozzles
- Adjustable spray flow rate
- „Racetrack“ maintenance decal

## OPTIONAL EQUIPMENT

### Engine

- Auto Idle

### Operator Environment

- Foldable arch-ROPS
- Open ROPS/FOPS canopy
- Mirror
- Steering knob
- Vandal cover

### Vibration and drum system

- Inside scraper- styrene
- Inside scraper- urethane
- Edge compactor

### Electrics and electronics

- Work lights
- Strobe lights
- Rotating Beacon
- Backup alarm
- Anti-theft
- Engine oil pressure display
- Caretrack

### Water system

- Cocoa mats installation
- Water Strainer

### Other

- Lifetime Frame Guarantee
- Bio-degradable oil
- Special Paint
- Hydraulic test ports
- ROPS ship loose
- License Plate



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