



is a new generation vibratory roller with the high comfort for an operator, up-to-date design with the "1 x 1 m" visibility and with an extremely low gravity centre. VV 2510 D is designed for large scale compaction of rockfill, loose, semi-cohesive materials and stabilization. The machine is based on an articulated frame with a hydrostatic drive system of a smooth vibratory drum and two rubber tyred wheels. VV 2510 PD is designed for large scale compaction of semi-cohesive and cohesive materials. The machine is based on an articulated frame with a hydrostatic drive system of a padded vibratory drum and two rubber tyred wheels. Direct drive of the rear wheels through the hydromotors with gearboxes enables a very low built in mounting of the driving power unit, by keeping the minimal length of the machine. It offers to the user the advantage of an excellent view from the operator's place and excellent machine stability and manoeuvrability in comparison with the other machines, which are equipped with the rigid driving axles. The vibration source is a double staged undirected vibration exciter, placed in the centre of the drum. The machine is equipped with a hydrostatic drive of all machine functions, Cummins engine, hydraulic Sauer-Danfoss. It fulfils the requirements of pollutants emission directives 97/68/ECE Stage 2 and EPA/CARB Tier 2. The machine meets the CE marking conditions. **Blade version available.**

## STANDARD

### VV 2510 D / VV 2510 PD

- Cabin ventilated and heated
- Two mode vibrator
- Articulated frame
- Interwheel differential lock
- Working halogen headlights
- Hand-pump hood and cabin tilting
- Tyres ballast liquid filling to -25 centigrades
- Painting STA: yellow, grey

### VV 2510 D

- Tyres 23,5-25 EM tread NB 57 (EM-30) (20 PR)

### VV 2510 PD

- Tyres 23,5-25 EM tread NB 38 (EM-20) (16 PR)

## OPTIONS

### VV 2510 D / VV 2510 PD

- Operator platform without cabin with rails
- Lockable vandal guard
- Dozing blade
- Electrohydraulic cabin and hood tilting
- Diff lock interaxle ASC
- ROPS protection (obligatory for CE)
- Cabin FOPS protection
- FOPS sun roof (mounted to ROPS)
- ROPS canvas canopy (mounted to ROPS)
- Air conditioning
- Compaction indicator
- Compaction indicator printer
- Fan safety screen
- Alternator safety screen
- Back up alarm
- Engine speed indicator
- Special painting

### VV 2510 D

- Segment kit 150 pads
- Tyres 23,5-25 EM tread NB 38 (EM-20) (16 PR) instead of standard ones

### VV 2510 PD

- Tyres 23,5-25 EM tread NB 57 (EM-30) (20 PR) instead of standard ones

## MAXIMAL COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS (m)

	Rockfill	Sand/Gravel	Mixed soils	Silt	Clay	Stabilization
VV 2510 D	2,00 m	1,30 m	1,00 m	0,80 m	0,45 m	-
VV 2510 PD	-	-	1,00 m	0,80 m	0,50 m	-



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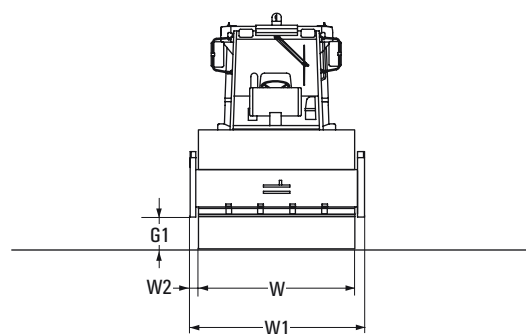
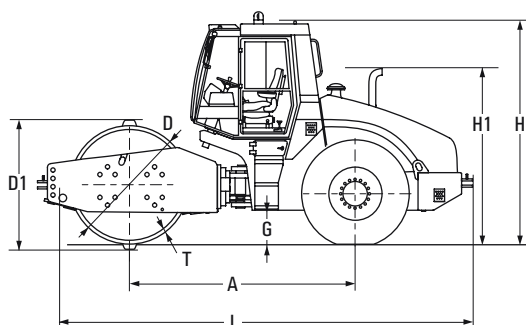
CERTIFICATED:  
**ISO 9001**

# VV 2510 D VV 2510 PD



SINGLE DRUM ROLLERS - SMOOTH & PADDED (25 t)

size (mm)	A	D	D1	G	G1	H	H1	L	T	W	W1	W2
<b>VV 2510 D</b>	3290	1700		500	430	3265	2560	6560	50	2240	2500	120
<b>VV 2510 PD</b>	3290	1600	1908	500	430	3265	2560	6560	30	2240	2500	120



## CAPACITY

	VV 2510 D	VV 2510 PD
Operating weight (CECE)	25330 kg	25515 kg

## WEIGHTS

Operating weight maximum	25500 kg	25685 kg
Drum load (CECE)	17570 kg	17755 kg
Axle load (CECE)	7760 kg	7760 kg
Static linear load	78,4 kg/cm	

## DRUM

No. of pad feet		150
Height of pad		154 mm
Contact area of one pad foot		145 cm <sup>2</sup>

## STEERING

Steering angle (+ -)	36 deg	36 deg
Oscillation angle (+ -)	10 deg	10 deg
Turning radius inner (edge)	3950 mm	3950 mm
Turning radius outer (contour)	6315 mm	6315 mm
Transversal stability - straight	39 deg	39 deg

## RIDING CHARACTERISTIC

No. of travel speeds	4	4
Maximal speed	10 km/h	10 km/h
Gradeability without vibration	45%	50%
Gradeability with vibration	45%	50%

## BRAKES

Operation	Hydrostatic	Hydrostatic
Parking	Multi disc	Multi disc
Emergency	Multi disc	Multi disc

## VIBRATION

Amplitudes	2,2 / 1,1 mm	2,2 / 1,1 mm
Frequencies	28 / 34 Hz	28 / 34 Hz
Centrifugal forces	460 / 340 kN	460 / 340 kN

## TANKS

Fuel	405 lt	405 lt
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## ELEKTROINSTALLATION

Voltage	24 V	24 V
Capacity of batteries	2 x 100 Ah	2 x 100 Ah

## ENGINE

Make	Cummins	Cummins
Type	QSB 5.9-40-TAA-C205	QSB 5.9-40-TAA-C205
Rated power	153 kW	153 kW
Standard	ISO 3046/1 (DIN 6271)	ISO 3046/1 (DIN 6271)

Technical modifications and data reserved. Machines may be shown with options.



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