



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. Outstanding traction force enables enduring operation of the roller under hardest conditions and in slopes 30% and more. VV 1100 D H is designed for medium and 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 1100 PD H is designed for medium and 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 1100 D H / VV 1100 PD H

- Cabin ventilated and heated
- Two mode vibrator
- Articulated frame
- Heavy duty travel hydrostatic transmission
- Interaxle and interwheel ASC differential lock
- Working halogen headlights
- Hand-pump hood and cabin tilting
- Tyres 23,1-26 tread R1 (TD-01) (10 PR)
- Tyres ballast liquid filling to -25 centigrades
- Painting STA: yellow, grey

OPTIONS

VV 1100 D H / VV 1100 PD H

- Operator platform without cabin with rails
- Lockable vandal guard
- Engine CUMMINS BT5.9-C148 (110 kW)
 - Stage 1/Tier 1
- Dozing blade
- Electrohydraulic cabin and hood tilting
- Engine air pre-cleaner for extra hard conditions
- ROPS protection (obligatory for CE)
- Cabin FOPS protection
- ROPS canvas canopy (mounted to ROPS)
- FOPS sun roof (mounted to ROPS)
- Air conditioning
- Tyres 23,1-26 tread UK 5 (10 PR)
- Compaction indicator
- Compaction indicator printer
- Alternator safety screen
- Fan safety screen
- Turn indicators
- Beacon
- Back up alarm
- Engine speed indicator
- Special painting

VV 1100 D H

- Segment kit 150 pads

MAXIMAL COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS (m)

	Rockfill	Sand/Gravel	Mixed soils	Silt	Clay	Stabilization
VV 1100 D H	0,80 m	0,60 m	0,50 m	0,40 m	0,30 m	-
VV 1100 PD H	-	-	0,50 m	0,40 m	0,30 m	-



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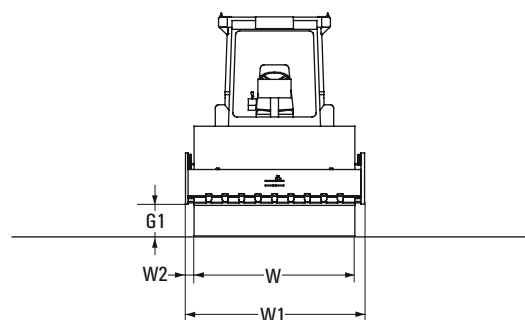
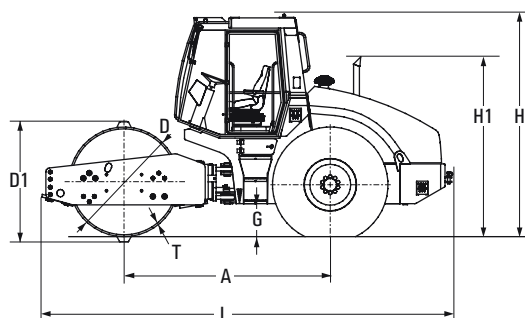
CERTIFICATED:
ISO 9001

VV 1100 D H VV 1100 PD H



SINGLE DRUM ROLLERS - SMOOTH & PADDED (11 t)

size (mm)	A	D	D1	G	G1	H	H1	L	T	W	W1	W2
VV 1100 D H	2820	1500		420	430	3030	2375	5686	25	2200	2436	118
VV 1100 PD H	2820	1440	1640	420	430	3030	2375	5686	20	2200	2436	118



CAPACITY	VV 1100 D H	VV 1100 PD H
Operating weight (CECE)	12730 kg	13160 kg

WEIGHTS	VV 1100 D H	VV 1100 PD H
Operating weight maximum	12900 kg	13300 kg
Drum load (CECE)	7165 kg	7595 kg
Axle load (CECE)	5565 kg	5565 kg
Static linear load	32,6 kg/cm	

DRUM	VV 1100 D H	VV 1100 PD H
No. of pad feet		140
Height of pad		100 mm
Contact area of one pad foot		120 cm ²

STEERING	VV 1100 D H	VV 1100 PD H
Steering angle (+ -)	36 deg	36 deg
Oscillation angle (+ -)	10 deg	10 deg
Turning radius inner (edge)	3050 mm	3050 mm
Turning radius outer (contour)	5370 mm	5370 mm
Transversal stability - straight	36 deg	36 deg

RIDING CHARACTERISTIC	VV 1100 D H	VV 1100 PD H
No. of travel speeds	4	4
Maximal speed	8 km/h	8 km/h
Gradeability without vibration	60 %	60 %
Gradeability with vibration	60 %	60 %

BRAKES	VV 1100 D H	VV 1100 PD H
Operation	Hydrostatic	Hydrostatic
Parking	Multi disc	Multi disc
Emergency	Multi disc	Multi disc

VIBRATION	VV 1100 D H	VV 1100 PD H
Amplitudes	1,85 / 1,15 mm	1,85 / 1,15 mm
Frequencies	32 / 35 Hz	32 / 35 Hz
Centrifugal forces	277 / 206 kN	277 / 206 kN

TANKS	VV 1100 D H	VV 1100 PD H
Fuel	410 lt	410 lt

ELEKTROINSTALLATION	VV 1100 D H	VV 1100 PD H
Voltage	24 V	24 V
Capacity of batteries	2 x 100 Ah	2 x 100 Ah

ENGINE	VV 1100 D H	VV 1100 PD H
Make	Cummins	Cummins
Type	QSB5.9-30-T-C155	QSB5.9-30-T-C155
Rated power	116 kW	116 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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