VV 2010 D H
VV 2010 PD H

SINGLE DRUM ROLLERS – SMOOTH & PADDED (20 t)

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 2510 D H 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 H 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 2010 D H / VV 2010 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 23,5-25 EM tread NB 38 (EM-20) (16 PR)
☑ Tyres ballast liquid filling to -25 centigrades
☑ Painting STA: yellow, grey

OPTIONS

VV 2010 D H / VV 2010 PD H
☐ Operator platform without cabin with rails
☐ Lockable vandal guard
☐ Dozing blade
☐ Electrohydraulic cabin and hood tilting
☐ 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
☐ Alternator safety screen
☐ Fan safety screen
☐ Back up alarm
☐ Engine speed indicator
☐ Tyres 23,5-25 EM tread NB 57 (EM-30) (20 PR) instead of standard ones
☐ Special painting

VV 2010 D H
☐ Segment kit 150 pads

MAXIMAL COMPACTED LIFT THICKNESS AT OPTIMAL WORKING CONDITIONS (m)

	Rockfill	Sand/Gravel	Mixed soils	Silt	Clay	Stabilization
VV 2010 D H	1,80 m	1,10 m	0,90 m	0,70 m	0,35 m	-
VV 2010 PD H	-	-	0,90 m	0,70 m	0,40 m	-

AEM

CERTIFICATED: ISO 9001

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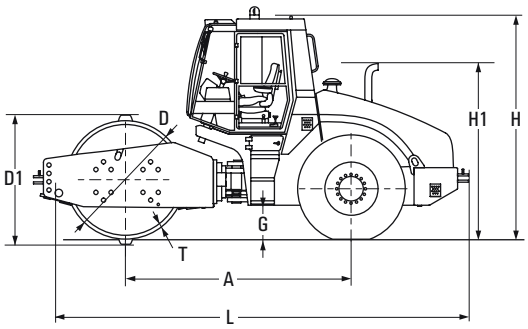
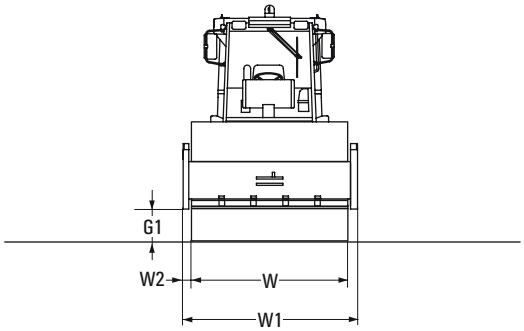
VV 2010 D H
VV 2010 PD H

SINGLE DRUM ROLLERS – SMOOTH & PADDED (20 t)

size (mm)	A	D	D1	G	G1	H	H1	L	T	W	W1	W2
VV 2010 D H	3160	1700		500	430	3265	2560	6300	45	2240	2500	120
VV 2010 PD H	3160	1600	1840	500	430	3265	2560	6300	30	2240	2500	120





CAPACITY	**VV 2010 D H**	**VV 2010 PD H**
Operating weight (CECE)	21905 kg	21975 kg
WEIGHTS		
Operating weight maximum	22075 kg	22145 kg
Drum load (CECE)	14150 kg	14220 kg
Axle load (CECE)	7755 kg	7755 kg
Static linear load	63,2 kg/cm	
DRUM		
No. of pad feet		150
Height of pad		120 mm
Contact area of one pad foot		143 cm^2
STEERING		
Steering angle (+ -)	36 deg	36 deg
Oscillation angle (+ -)	10 deg	10 deg
Turning radius inner (edge)	3900 mm	3900 mm
Turning radius outer (contour)	6280 mm	6280 mm
Transversal stability - straight	37 deg	37 deg
RIDING CHARACTERISTIC		
No. of travel speeds	4	4
Maximal speed	7,5 km/h	7,6 km/h
Gradeability without vibration	60 %	60 %
Gradeability with vibration	60 %	60 %
BRAKES		
Operation	Hydrostatic	Hydrostatic
Parking	Multi disc	Multi disc
Emergency	Multi disc	Multi disc
VIBRATION		
Amplitudes	2 / 1 mm	2 / 1 mm
Frequencies	28 / 34 Hz	28 / 34 Hz
Centrifugal forces	400 / 300 kN	400 / 300 kN
TANKS		
Fuel	405 lt	405 lt
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.

AEM

CERTIFICATED: ISO 9001

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