

SINGLE DRUM VIBRATORY ROLLERS BW 216 D-40, BW 216 PD-40

PERFORMANCE DATA



Machine type	Compaction output (m ³ /h)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 216 D-40	650-1200	450-920	340-680	210-420
BW 216 PD-40	650-1200	450-920	340-680	250-500

Machine type	Compacted layer thickness (m)			
	Rock fill	Gravel, sand	Mixed soil	Silt, clay
BW 216 D-40	1,10	0,75	0,55	0,30
BW 216 PD-40	1,10	0,75	0,55	0,35

Technical Data

Shipping dimensions in m3

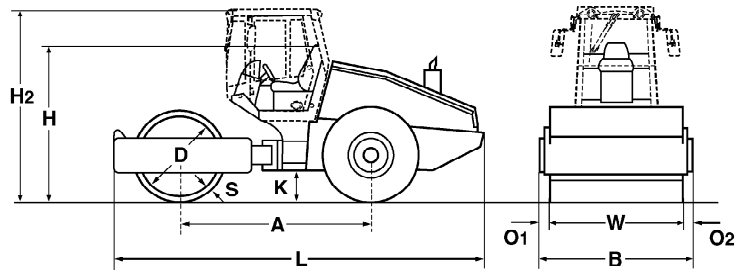
	without ROPS	with ROPS
BW 216 D-40	30,933	40,712
BW 216 PD-40	30,933	40,712

Standard

- Warning, information and operation displays with round gauge
- Hydrostatic travel and vibration drive
- Hydrostatic articulated steering
- Articulated joint lock
- Rear axle with twin spring accumulator brakes
- No-Spin differential lock
- Warning horn
- Single lever control for travel and vibration
- Scrapers
- Emergency STOP
- Back-up warning system
- Operator seat
- Engine TIER II

Options

- ROPS/FOPS cabin with seat belts
- Working lights front / rear
- ROPS/FOPS with safety belt
- Comfort driver's seat
- Rotary beacon
- Indicator and hazard lights
- Padfoot segment kit (D)
- Contact scrapers
- BOMAG Evib-Meter (BEM)
- TERRAMETER BTM prof
- BCM 05 Documentation system
- Special painting
- Air condition
- Sun roof
- Warning, information and operation displays
- Radio



Dimensions in mm

	A	B	D	H	H2	K	L	O1	O2	S	W
BW 216 D-40	2960	2300	1500	2268	2985	490	5930	85	85	35	2130
BW 216 PD-40	2960	2300	1480	2268	2985	490	5930	85	85	25	2130

Technical Data

Weights

	BOMAG BW 216 D-40	BOMAG BW 216 PD-40
Grossweight	17.100 kg	16.400 kg
Max. axle load, drum CECE	11.700 kg	11.000 kg
Max. axle load, wheels CECE	5.400 kg	5.400 kg
Operating weight CECE	15.200 kg	15.700 kg
Axle load, drum CECE	10.200 kg	10.700 kg
Axle load, wheels CECE	5.000 kg	5.000 kg
Static linear load CECE	47,9 kg/cm	47,9 kg/cm
Max. static linear load CECE	54,9 kg/cm	54,9 kg/cm

Dimensions

Track radius, inner	3.494 mm	3.494 mm
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Driving Characteristics

Speed (1)	0- 4,0 km/h	0- 4,0 km/h
Speed (2)	0- 5,0 km/h	0- 5,0 km/h
Speed (3)	0- 7,0 km/h	0- 7,0 km/h
Speed (4)	0- 11,0 km/h	0- 11,0 km/h
Max. gradeability without/with vibr.	48/45 %	50/47 %

Drive

	BOMAG BW 216 D-40	BOMAG BW 216 PD-40
Engine manufacturer	Deutz	Deutz
Type	BF4M 1013 EC	BF4M 1013 EC
Cooling	water	water
Number of cylinders	4	4
Performance ISO 3046	114 kW	114 kW
Performance SAE J 1995	153 hp	153 hp
Speed	2.200 min-1	2.200 min-1
Fuel	diesel	diesel
Electric equipment	12 V	12 V
Drive system	hydrost.	hydrost.
Drum driven	standard	standard

Drums and Tyres

Tyre size	23.1-26/12PR	23.1-26/12PR
Number of pad feet	150	150
Height of pad feet	100 mm	100 mm
Area of one pad foot	137 cm2	137 cm2

Brakes

Service brake	hydrost.	hydrost.
Parking brake	hydromec.	hydromec.

Steering

Steering system	oscil.artic.	oscil.artic.
Steering method	hydrost.	hydrost.
Steering / oscillating angle +/-	35/12 grad	35/12 grad

Exciter system

Drive system	hydrost.	hydrost.
Frequency	30/36 Hz	30/36 Hz
Amplitude	1,80/0,90 mm	1,70/0,86 mm
Centrifugal force	275/202 kN	275/202 kN
Centrifugal force	28,1/20,6 t	28,1/20,6 t

Capacities

Fuel	1	250	250
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Technical modifications reserved. Machines may be shown with options.

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