

BOMAG

SINGLE DRUM VIBRATORY ROLLERS BW 177 D-4, BW 177 DH-4, BW 177 PDH-4

PERFORMANCE DATA



Machine type	Compaction output (m ³ /h)			
	Rock fill	Gravel, sand	mixed soil	Silt, clay
BW 177 D-4	-	210-420	160-320	70-140
BW 177 DH-4	-	210-420	160-320	70-140
BW 177 PDH-4	-	210-420	160-320	95-190

Machine type	Compacted layer thickness (m)			
	Rock fill	Gravel, sand	mixed soil	Silt, clay
BW 177 D-4	-	0,45	0,35	0,15
BW 177 DH-4	-	0,45	0,35	0,15
BW 177 PDH-4	-	0,45	0,35	0,20

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Technical Data

Shipping dimensions in m3

	without ROPS	with ROPS
BW 177 D-4	20,070	25,798
BW 177 DH-4	20,070	25,798
BW 177 PDH-4	20,070	25,798

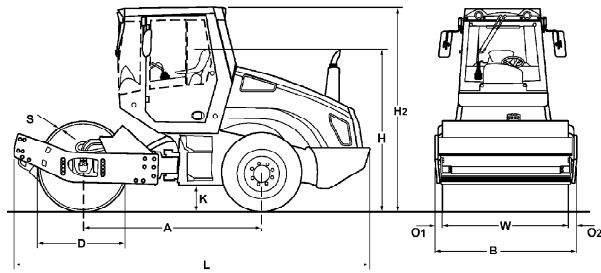
Standard Equipment

- Warning, information and operation displays with round gauge (D)
- Warning, information and operation displays with LCD (DH/PDH)
- Hydrostatic travel and vibration drive
- Anti Slip Control (ASC) (DH/PDH)
- 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
- Swivel seat, adjustable in height and longit. direction, with two armrests
- Contact scrapers (D/DH:Plastic)
- Scrapers (PDH:Steel)
- Emergency STOP
- Noise insulation
- Back-up warning system
- BOMAG ECOMODE (DH/PDH)

Optional Equipment

- * ROPS/FOPS cabin with seat belts
- * Working lights front/rear
- ROPS/FOPS with safety belt
- Rotary beacon
- Indicator and hazard lights
- Padfoot segment kit (D/DH)
- Contact scrapers (D/DH:Steel)
- BOMAG Evib-Meter (BEM)
- TERRAMETER BTM plus
- TERRAMETER BTM prof
- BEM/BCM 05
- TERRAMETER/BCM 05
- Special painting
- Environmentally compliant hydraulic oil
- Air condition
- Ballast front (300kg)
- Sun roof
- Slideable seat (DH/PDH)
- Radio
- Protective ventilation system
- Blade (DH/PDH)

* Standard delivery with CE conformity (valid within European Union)



Dimensions in mm

	A	B	D	H	H2	K	L	O1	O2	S	W
BW 177 D-4	2500	1836	1228	2225	2860	375	4913	75	75	25	1686
BW 177 DH-4	2500	1836	1228	2225	2860	375	4913	75	75	25	1686
BW 177 PDH-4	2500	1836	1208	2225	2860	375	4913	75	75	15	1686

Technical Data

	BOMAG BW 177 D-4	BOMAG BW 177 DH-4	BOMAG BW 177 PDH-4
Weights			
Grossweight	8.870 kg	9.200 kg	8.500 kg
Operating weight CECE w. ROPS-cabin .	7.500 kg	7.840 kg	8.100 kg
Axle load, drum CECE	4.190 kg	4.200 kg	4.460 kg
Axle load, wheels CECE	3.310 kg	3.640 kg	3.640 kg
Static linear load CECE	24,9 kg/cm	24,9 kg/cm	24,9 kg/cm

Dimensions

Working width	1.686 mm	1.686 mm	1.686 mm
Track radius, inner	3.132 mm	3.132 mm	3.132 mm

Driving Characteristics

Speed	0- 14,0 km/h	0- 14,0 km/h	0- 14,0 km/h
Speed (1)	0- 7,0 km/h		
Speed (2)	0- 11,0 km/h		
Max. gradeability without/with vibr.	51/48 %	58/55 %	60/58 %

Drive

Engine manufacturer	Deutz	Deutz	Deutz
Type	TD 2011 L04 i	TCD 2011 L04 w	TCD 2011 L04 w
Cooling	oil	water	water
Number of cylinders	4	4	4
Performance ISO 3046	54 kW	74,9 kW	74,9 kW
Performance SAE J 1995	73 hp	101 hp	101 hp
Speed	2.400 min-1	2.300 min-1	2.300 min-1
Fuel	diesel	diesel	diesel
Electric equipment	12 V	12 V	12 V
Drive system	hydrost.	hydrost.	hydrost.
Drum driven	standard	standard	standard

Drums and Tyres

Tyre size	14.9-24/8PR	14.9-24/8PR	14.9-24/6PR
Number of pad feet			104
Height of pad feet			80 mm
Area of one pad foot			99 cm2

Brakes

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

Steering

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

Exciter system

Drive system	hydrost.	hydrost.	hydrost.
Frequency (1)	30 Hz	30 Hz	30 Hz
Frequency (2)	40 Hz	40 Hz	40 Hz
Amplitude	1,90/0,95 mm	1,90/0,95 mm	1,75/0,88 mm
Centrifugal force	135/120 kN	135/120 kN	135/120 kN
Centrifugal force	13,8/12,2 t	13,8/12,2 t	13,8/12,2 t

Capacities

Fuel	150 l	150 l	150 l
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Technical modifications reserved. Machines may be shown with options.

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