

SINGLE DRUM VIBRATORY ROLLERS BW 177 D-4, BW 177 PD-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 PD-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 PD-4	-	0,45	0,35	0,20

Technical Data

Shipping dimensions in m3

BW 177 D-4

BW 177 PD-4

without ROPSwith ROPS

20,070

25,798

20,070

25,798

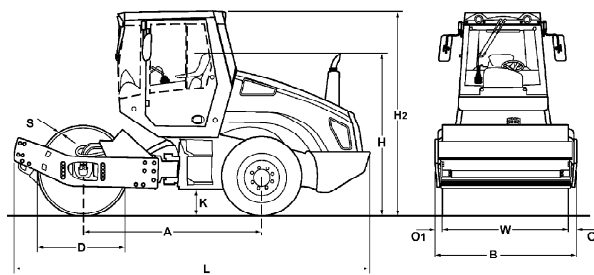
Standard

- ☒ 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
- ☒ Contact scrapers Plastic(D)
- ☒ Scrapers Steel(PD)
- ☒ Emergency STOP
- ☒ Noise insulation
- ☒ Back-up warning system

Options

- ☐ * ROPS/FOPS cabin with seat belts
- ☐ * Shock-mounted swivel seat, adjustable in height and length (Cabin)
- ☐ * Working lights front/rear
- ☐ ROPS/FOPS with safety belt
- ☐ Rotary beacon
- ☐ Indicator and hazard lights
- ☐ Padfoot segment kit (D)
- ☐ Contact scrapers Steel(D)
- ☐ BOMAG Evib-Meter (BEM)
- ☐ TERRAMETER BTM prof
- ☐ BCM 05 Documentation system
- ☐ Special painting
- ☐ Environmentally compliant hydraulic oil
- ☐ Air condition
- ☐ Ballast front (300kg)
- ☐ Sun roof
- ☐ Slideable seat
- ☐ Radio
- ☐ Protective ventilation system

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



Dimensions in mm

BW 177 D-4

BW 177 PD-4

A	B	D	H	H2	K	L	O1	O2	S	W
2500	1836	1228	2225	2860	375	4913	75	75	25	1686
2500	1836	1208	2225	2860	375	4913	75	75	15	1686

Technical Data

BOMAG BW 177 D-4

BOMAG BW 177 PD-4

Weights

Grossweight	kg	8.870	8.300
Operating weight CECE w. ROPS-cabin	kg	7.500	7.760
Axle load, drum CECE	kg	4.190	4.450
Axle load, wheels CECE	kg	3.310	3.310
Static linear load CECE	kg/cm	24,9	

Dimensions

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

Driving Characteristics

Speed (1)	km/h	0- 7,0	0- 6,0
Speed (2)	km/h	0- 11,0	0- 10,0
Max. gradeability without/with vibr.	%	51/48	53/51

Drive

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

Drums and Tyres

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

Brakes

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

Steering

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

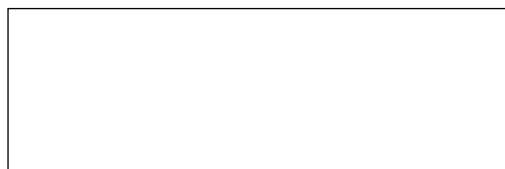
Exciter system

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

Capacities

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



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