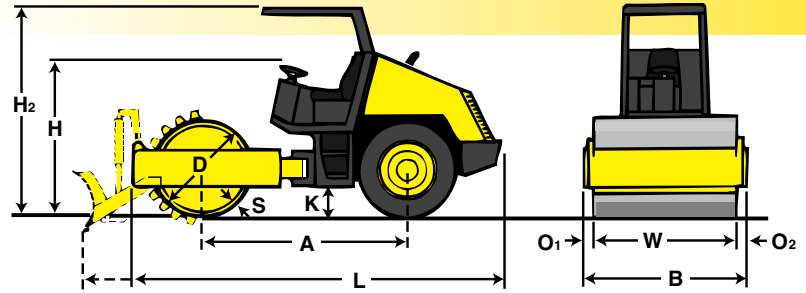


Technical Specifications

BW177-3 Series



Shipping dimensions

in cubic feet (m ³)	without/with ROPS/FOPS	
BW 177 D-3	637.4 (18.049)	847.6 (24.001)
BW 177 DH-3	637.4 (18.049)	847.6 (24.001)
BW 177 PDH-3	637.4 (18.049)	847.6 (24.001)

Standard Equipment

- Hydrostatic travel and vibration drives
- Hydraulic articulated steering
- Anti-Slip Control (ASC)*
- Rear axle with Spring-Applied, Hydraulically-Released (SAHR) brakes
- No-Spin differential
- Bolt-on oscillating articulation joint
- Articulated joint lock
- Vibration-isolated operator's platform
- Adjustable operator's seat
- Warning horn
- Audible/visual warning indicators:
 - Engine oil pressure
 - Engine temperature
 - Electrical charge
 - Hydraulic oil filter
 - Engine air filter
 - Parking brake
- Hour meter
- Fuel level indicator
- Scrapers
- ROPS/FOPS with seat belt
- Back-up alarm
- Towing hooks front and rear
- Lockable control panel
- Emergency STOP

Optional Equipment

- Working lights (front & rear)
- Leveling blade
- Cab with heater
- Terrameter
- Omegameter
- Segment kits:
 - Smooth to padfoot drum
- Flashing lights
- Special paint

* Not available for BW177D-3

** Optional leveling blade is for surface profiling/contouring and backdragging of loose fill material only. This design is not intended to function as a device for excavation purposes.

Dimensions in inches (mm)

	A	B	D	H	H ₂	K	L	O ₁	O ₂	S	W
BW177D-3	98.1 (2492)	71.5 (1816)	48.3 (1228)	83.9 (2132)	111.6 (2835)	13.9 (354)	183.5 (4662)	2.6 (65)	2.6 (65)	1.0 (25)	66.4 (1686)
BW177DH-3	98.1 (2492)	71.5 (1816)	48.1 (1222)	83.9 (2132)	111.6 (2835)	13.9 (354)	183.5 (4662)	2.6 (65)	2.6 (65)	1.0 (25)	66.4 (1686)
BW177PDH-3	98.1 (2492)	71.5 (1816)	47.6 (1208)	83.9 (2132)	111.6 (2835)	13.9 (354)	183.5 (4662)	2.6 (65)	2.6 (65)	0.6 (15)	66.4 (1686)

Technical data

Weights

	lbs	(kg)	BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3	
Operating Weight with ROPS/FOPS	15939	(7230)	16226	(7360)	16623	(7540)
Operating Weight with optional leveling blade	—	—	—	—	17450	(7915)
Axle load, drum*	8494	(3853)	8781	(3983)	9376	(4253)
Axle load, wheels	7445	(3377)	7445	(3377)	7247	(3287)
Static linear load (drum)*	127.9	(22.9)	132.2	(23.6)	141.2	(25.2)

Dimensions

	in	(mm)	BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3	
Working width	66.4	(1686)	66.4	(1686)	66.4	(1686)
Track Radius, inner	122.8	(3120)	122.8	(3120)	122.8	(3120)
Dimensions	see sketch		see sketch		see sketch	

Driving Characteristics (depending on site conditions)

	mph	(kmph)	BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3	
Speed (1)	0-3.7	(0-6)	0-2.5	(0-4)	0-2.5	(0-4)
Speed (2)	0-6.2	(0-10)	0-3.7	(0-6)	0-3.7	(0-6)
Speed (3)	—	—	0-6.8	(0-11)	0-6.8	(0-11)
Max. gradeability without/with vib.	45/45		55/55		55/55	

Drive

		BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Engine manufacturer		Cummins	Cummins	Cummins
Type		B4.5-80C	QSB4.5-110	QSB4.5-110
Cooling		water	water	water
Number of cylinders		4	4	4
Performance ISO 9249	hp (kW)	79 (58)	109 (80)	109 (80)
Speed	rpm	2200	2200	2200
Performance SAE J 1995	hp (kW)	80 (60)	110 (82)	110 (82)
Speed	rpm	2200	2200	2200
Fuel		diesel	diesel	diesel
Electric Equipment	V	12	12	12
Drive System		hydrostatic	hydrostatic	hydrostatic
Drum Driven		standard	standard	standard

Drums and Tires

		BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Number of pad feet		—	—	104
Area of one pad foot	in ² (cm ²)	—	—	15.3 (99)
Height of pad feet	in (mm)	—	—	3.1 (80)
Tire size		14.9-24-AWT 6PR	14.9-24-AWT 6PR	14.9-24 6PR

Brakes

		BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Service brake		hydrostatic	hydrostatic	hydrostatic
Parking brake		SAHR	SAHR	SAHR

Steering

		BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Steering system		oscill., artic.	oscill., artic.	oscill., artic.
Steering method		hydrostatic	hydrostatic	hydrostatic
Steering angle +/-	degrees	35	35	35
Oscillating angle +/-	degrees	12	12	12

Vibratory system

		BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Drive system		hydrostatic	hydrostatic	hydrostatic
Frequency	vpm (Hz)	1800/2400 (30/40)	1800/2400 (30/40)	1800/2400 (30/40)
Amplitude	in (mm)	0.071/0.035 (1.8/0.9)	0.071/0.035 (1.8/0.9)	0.067/0.035 (1.7/0.9)
Centrifugal force	lbs (kN)	30375/27000 (135/120)	30375/27000 (135/120)	30375/27000 (135/120)

Capacities

	gal	(l)	BOMAG BW177 D-3	BOMAG BW177 DH-3	BOMAG BW177 PDH-3
Fuel			33.0 (125)	33.0 (125)	33.0 (125)

Technical modifications reserved. Machines may be shown with options.

* on PDH model with blade, the axle load, drum will increase to 10,203 lbs and static linear load will be 153.7 pli.



BOMAG Americas, Inc.
 2000 Kentville Rd. • Kewanee, IL 61443
 Tel: 309 853-3571 • Fax: 309 852-0350

B97H-1.316 0M(905)M

BOMAG

Single Drum Vibratory Rollers **BW177D-3, BW177DH-3, BW177PDH-3**



MODEL	Compaction Output (cu. yd/h) at recommended soil layer/lift thickness. *		
	Gravel, Sand	Mixed Soils	Silt, Clay
BW177D-3	274.7 - 549.3	209.3 - 418.5	91.6 - 183.1
BW177DH-3	274.7 - 549.3	209.3 - 418.5	91.6 - 183.1
BW177PDH-3	274.7 - 549.3	209.3 - 418.5	124.3 - 248.5

MODEL	Compaction Layer Thickness (in).*		
	Gravel, Sand	Mixed Soils	Silt, Clay
BW177D-3	17.7	13.8	5.9
BW177DH-3	17.7	13.8	5.9
BW177PDH-3	17.7	13.8	7.9

* Compaction output influenced by soil/material type and moisture content.

