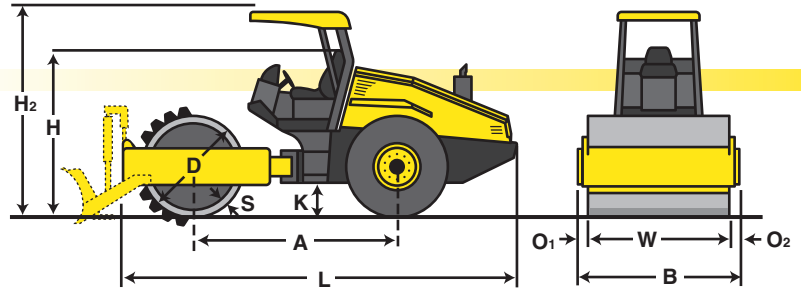


Technical Specifications

BW177-40 Series



Shipping dimensions

in cubic feet (m ³)	without	with ROPS/FOPS
BW 177 D-40	701 (19.85)	901.3 (25.52)
BW 177 DH-40	701 (19.85)	901.3 (25.52)
BW 177 PDH-40	701 (19.85)	901.3 (25.52)

Standard Equipment

- Dual Frequency and Amplitudes
- Hydrostatic travel & 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 and/or visual warning indicators:
 - Engine oil pressure
 - Engine temperature
 - Electrical charge
 - Hydraulic oil filter restriction
 - Engine air filter restriction
 - Parking brake
- Hour meter
- Fuel level indicator
- Scrapers
- ROPS/FOPS with seat belt
- Back-up alarm
- Emergency STOP

Optional Equipment

- Working lights (front & rear)
- Leveling blade**
- EROPS Cab with heating
- Air Conditioning
- Swivel comfort seat
- Special Paint
- Padfoot drum segment kit (DH)
- Smooth drum segment kit (PDH)

* Not available for BW177D-40

** 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-40	98.4 (2500)	71.5 (1816)	48.3 (1228)	87.6 (2225)	112.6 (2860)	14.7 (375)	193.4 (4913)	2.6 (65)	2.6 (65)	1.0 (25)	66.4 (1686)
BW177DH-40	98.4 (2500)	71.5 (1816)	48.3 (1228)	87.6 (2225)	112.6 (2860)	14.7 (375)	193.4 (4913)	2.6 (65)	2.6 (65)	1.0 (25)	66.4 (1686)
BW177PDH-40	98.4 (2500)	71.5 (1816)	47.6 (1208)	87.6 (2225)	112.6 (2860)	14.7 (375)	193.4 (4913)	2.6 (65)	2.6 (65)	0.6 (15)	66.4 (1686)

Technical data

Weights

	lbs	(kg)	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40	
Operating Weight with ROPS/FOPS	15355	(6965)	15640	(7095)	16115	(7310)
Operating Weight with optional leveling blade	—	—	—	—	17440	(7910)
Axle load, drum	9040	(4100)	9070	(4115)	9545	(4330)
Axle load, wheels	6315	(2865)	6570	(2980)	6570	(2980)
Static linear load (drum)	136.1	(24.3)	136.6	(24.4)	—	—

Dimensions

	in	(mm)	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40	
Working width	66.4	(1686)	66.4	(1686)	66.4	(1686)
Track Radius, inner	123.1	(3126)	123.1	(3126)	123.1	(3126)
Dimensions	see sketch		see sketch		see sketch	

Driving Characteristics (depending on site conditions)

	mph	(km/hr)	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40	
Speed (1)	0-4.3	(0-7)	0-2.5	(0-4)	0-2.5	(0-4)
Speed (2)	0-6.8	(0-11)	0-4.0	(0-6.5)	0-4.0	(0-6.5)
Speed (3)	—	—	0-8.0	(0-13)	0-8.0	(0-13)
Max. gradeability without/with vib.	45/45	—	55/55	—	55/55	—

Drive

		BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40
Engine manufacturer		Cummins	Cummins	Cummins
Type		B3.3	QSB3.3	QSB3.3
Cooling		water	water	water
Number of cylinders		4	4	4
Performance ISO 9249	hp (kW)	79 (58)	109 (80)	109 (80)
Speed	rpm	2200	2400	2400
Performance SAE J 1995	hp (kW)	80 (60)	110 (82)	110 (82)
Speed	rpm	2200	2400	2400
Fuel		diesel	diesel	diesel
Electric Equipment	V	12	12	12
Drive System		hydrostatic	hydrostatic	hydrostatic
Drum Driven		standard	standard	standard

Drums and Tires

		BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40
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		14.9-24/6PR	14.9-24/6PR	14.9-24/6PR
Tire Tread		Diamond (R3)	Diamond (R3)	Tractor (R1)

Brakes

	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40
Service brake	hydrostatic	hydrostatic	hydrostatic
Parking brake	SAHR	SAHR	SAHR

Steering

	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40
Steering system	oscill., artic.	oscill., artic.	oscill., artic.
Steering method	hydrostatic	hydrostatic	hydrostatic
Steering angle +/-	35 degrees	35	35
Oscillating angle +/-	12 degrees	12	12

Vibratory system

	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40
Drive system	hydrostatic	hydrostatic	hydrostatic
Frequency	1800/2400 (30/40) vpm (Hz)	1800/2400 (30/40)	1800/2400 (30/40)
Amplitude	0.071/0.035 (1.8/0.9) in (mm)	0.071/0.035 (1.8/0.9)	0.067/0.035 (1.7/0.9)
Centrifugal force	30375/27000 (135/120) lbs (kN)	30375/27000 (135/120)	30375/27000 (135/120)

Capacities

	gal	(l)	BOMAG BW 177 D-40	BOMAG BW 177 DH-40	BOMAG BW 177 PDH-40	
Fuel	39.5	(150)	39.5	(150)	39.5	(150)

Technical modifications reserved. Machines may be shown with options.



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