

Technical Specifications

BW145-40 Series

Shipping dimensions

	without/with ROPS/FOPS	
in cubic feet (m³)		
BW145D-40	435.0 (12.319)	629.7 (17.830)
BW145DH-40	435.0 (12.319)	629.7 (17.830)
BW145PDH-40	435.0 (12.319)	629.7 (17.830)

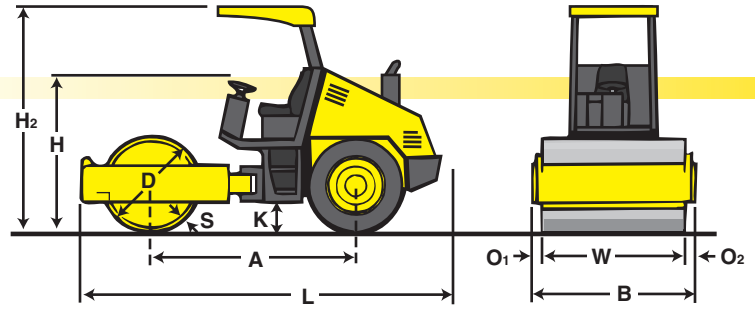
Standard Equipment

- Hydrostatic travel and vibration drives
- Dual vibrating amplitudes
- Dual centrifugal forces
- Hydraulic articulated steering
- 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
 - Parking brake
- Hour meter
- Fuel level indicator
- Drum Scrapers
- ROPS/FOPS with seat belt
- Sun Canopy
- Back-up alarm
- Towing hooks front and rear
- Lockable control panel
- Emergency STOP
- Glow plug / Cold Start

Optional Equipment

- Working lights (front & rear)
- Leveling blade **
- Smooth drum conversion kit
- Padfoot drum conversion kit
- ROPS Cab with heating
- Air conditioning
- Special paint

** 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
BW145D-40	87.5 (2222)	60.8 (1546)	41.7 (1058)	74.8 (1900)	108.3 (2750)	12.3 (313)	165.1 (4194)	2.4 (60)	2.4 (60)	0.9 (22)	56.1 (1426)
BW145DH-40	87.5 (2222)	60.8 (1546)	41.7 (1058)	74.8 (1900)	108.3 (2750)	12.3 (313)	165.1 (4194)	2.4 (60)	2.4 (60)	0.9 (22)	56.1 (1426)
BW145PDH-40	87.5 (2222)	60.8 (1546)	41.1 (1044)	74.8 (1900)	108.3 (2750)	12.3 (313)	165.1 (4194)	2.4 (60)	2.4 (60)	0.6 (15)	56.1 (1426)

Technical data

	BOMAG BW145D-40	BOMAG BW145DH-40	BOMAG BW145PDH-40
Weights			
Operating Weight with ROPS/FOPS .. lbs (kg)	11035 (5005)	11170 (5065)	11785 (5345)
Dimensions			
Working width..... in (mm)	56.1 (1426)	56.1 (1426)	56.1 (1426)
Track Radius, inner..... in (mm)	109.5 (2780)	109.5 (2780)	109.5 (2780)
Dimensions.....	see sketch	see sketch	see sketch
Driving Characteristics (depending on site conditions)			
Speed (1) mph (kmph)	0-3.9 (0-6.2)	0-3.1 (0-5)	0-3.1 (0-5)
Speed (2) mph (kmph)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)
Max. gradeability without/with vib..... %	47/47	55/55	55/55
Drive			
Engine manufacturer	Deutz	Deutz	Deutz
Type.....	TD2011L04i	TD2011L04i	TD2011L04i
Cooling.....	air-oil	air-oil	air-oil
Number of cylinders	4	4	4
Performance ISO 9249 hp (kW)	72.7 (53.5)	72.7 (53.5)	72.7 (53.5)
Speed rpm	2600	2600	2600
Performance SAE J 1995 hp (kW)	75 (56)	75 (56)	75 (56)
Speed rpm	2600	2600	2600
Fuel.....	diesel	diesel	diesel
Electric Equipment V	12	12	12
Drive System.....	hydrostatic	hydrostatic	hydrostatic
Drum Driven.....	standard	standard	standard
Drums and Tires			
Number of pad feet			84
Area of one pad foot in ²			15.3
Height of pad feet..... in (mm)			3.2 (81)
Tire size	335/80R20 MPT TL	335/80R20 MPT TL	340/85R24 R1
Brakes			
Service brake.....	hydrostatic	hydrostatic	hydrostatic
Parking brake.....	SAHR	SAHR	SAHR
Steering			
Steering system	oscil., artic.	oscil., artic.	oscil., artic.
Steering method.....	hydrostatic	hydrostatic	hydrostatic
Steering angle +/-..... degrees	35	35	35
Oscillating angle +/-..... degrees	12	12	12
Vibratory system			
Drive system	hydrostatic	hydrostatic	hydrostatic
Frequency vpm (Hz)	2040/2040 (34/34)	2040/2040 (34/34)	2040/2040 (34/34)
Amplitude..... in (mm)	0.067/0.033 (1.7/0.85)	0.067/0.033 (1.7/0.85)	0.055/0.028 (1.4/0.7)
Centrifugal force..... lbs (kN)	22500/11250 (100/50)	22500/11250 (100/50)	22500/11250 (100/50)
Capacities			
Fuel..... gal (l)	29.1 (110)	29.1 (110)	29.1 (110)

Technical modifications reserved. Machines may be shown with options.



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