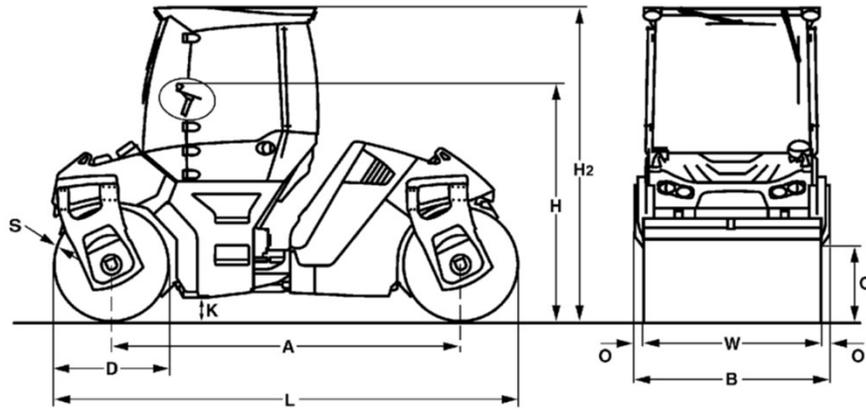


# TECHNICAL DATA

TANDEM ROLLER

BW 161 AD-5, BW 190 AD-5





**Dimensions in inch**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>H</b>	<b>H2</b>	<b>K</b>	<b>L</b>	<b>O</b>	<b>S</b>	<b>W</b>
<b>BW 161 AD-5</b>	142.5	72.3	26.4	48.0	91.1	120.1	9.8	190.6	3.1	0.67	66.1
<b>BW 190 AD-5</b>	142.5	84.5	26.4	48.0	91.1	120.1	9.8	190.6	3.1	0.75	78.3

**Shipping dimensions in cub. Yd**

**BW 161 AD-5**  
**BW 190 AD-5**

**without ROPS**

26.903  
 31.443

**with ROPS**

35.467  
 41.452

<b>Machine type</b>	<b>Compaction output (cub.yd/h) at recommended soil layer thicknesses</b>		
	<b>Gravel, sand</b>	<b>Mixed Soil</b>	<b>Silt, clay</b>
BW 161 AD-5	196.2-418.5	183.1-340.1	130.8-287.7
BW 190 AD-5	340.1-654.0	235.4-470.9	183.1-287.7

<b>Machine type</b>	<b>Compaction output (cub.yd/h) at different asphalt layer thicknesses</b>		
	<b>0.8-1.6 in</b>	<b>2.4-3.1 in</b>	<b>3.9-5.5 in</b>
BW 161 AD-5	65.4-130.8	130.8-261.6	196.2-300.8
BW 190 AD-5	91.6-157.0	157.0-300.8	248.5-392.4

## Technical Data

## BOMAG BW 161 AD-5

## BOMAG BW 190 AD-5

### Weights

Operating weight CECE w. cab .....	lb	22,046	26,455
Operating weight CECE w. ROPS .....	lb	21,826	26,235
Axle load, front CECE .....	lb	11,244	13,669
Axle load, rear CECE .....	lb	10,803	12,787
Static linear load, front CECE .....	lb/in	170.2	173.6
Static linear load, rear CECE .....	lb/in	163.5	163.3
Grossweight .....	lb	24,251	28,660

### Dimensions

Track radius, inner .....	in	192.9	186.8
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### Driving Characteristics

Propulsion type .....		hydrostatic	hydrostatic
Max. travel speed .....	mph	0-7.5	0-7.5
Max. gradeability without / with vibration .....	%	35 / 30	35 / 30

### Drive

Engine manufacturer .....		Deutz	Deutz
Type .....		TCD 3.6 L4	TCD 3.6 L4
Emission stage .....		Stage V / TIER4f	Stage V / TIER4f
Exhaust gas aftertreatment .....		DPF+SCR	DPF+SCR
Cooling .....		Liquid	Liquid
Number of cylinders .....		4	4
Performance ISO 14396 .....	kW	95.0	95.0
Performance SAE J 1995 .....	hp	127.0	127.0
Speed .....	rpm	2,300	2,300

### Electrical

Electric Equipment .....	V	12	12
Alternator .....	A	115	115
Battery .....	CCA	850	850

### Brakes

Service brake .....		hydrost.	hydrost.
Parking brake .....		multi disc	multi disc

### Steering

Steering system .....		oscil. artic.	oscil. artic.
Crab walk (optional) .....	in	6.7	6.7
Articulation / oscillation angle .....	deg	35 / 6	35 / 6

### Exciter system

Vibrating drum .....		front + rear	front + rear
Atom. Vibr. shut off .....		standard	standard
Frequency, standard .....	vpm	2,400 / 3,180	2,400 / 3,300
High frequency option (F12 / F11) .....	vpm	2,400 / 4,020	2,400 / 4,200
Amplitude, standard .....	in	0.034 / 0.017	0.035 / 0.013
High frequency option (F12 / F11) .....	in	0.031 / 0.016	0.034 / 0.012
Centrifugal force, standard .....	lb	21,357 / 20,233	28,326 / 19,783
High frequency option (F12 / F11) .....	lb	16,411 / 24,046	22,481 / 23,822

### Capacities

Fuel .....	gal	38.3	38.3
DEF .....	gal	2.6	2.6
Water .....	gal	198.1	198.1

Technical modifications reserved. Machines may be shown with options.

### Standard Equipment

- 2 amplitudes / 2 frequencies
- ECOMODE
- Autom. vibration operation
- Individual vibration control
- Driver's seat, slewable
  - laterally slidable with steering wheel
- Emergency stop button
- On-board computer
  - engine speed
  - Speedometer
  - Fuel consumption
  - engine temperature
- V-belt protection
- Pressure sprinkling system with 2 pumps
- Indicator and hazard lights
- Back-up alarm
- Battery disconnect switch
- Compartments for documents and tools

### Optional Equipment

- ROPS cabin with seat belts
  - + heating, Ventilation
  - + 4 Working head lights
- ECONOMIZER
- ROPS cabin with air conditioning
- Rotary beacon
- Crab-walk to both sides (6.7in)
- 2 LED-lights for cabin roof (flatbeam)
- Edge cutter
- Special painting
- Environmentally compliant hydraulic oil
- Radio/Radio preparation
- ROPS/FOPS with safety belt
- Asphalt temperature display
- Lighting for drum edge front and rear
- Seat heating
- Frequency 67Hz (BW 161), 70Hz (BW 190)
- Approval by the German TÜV
- BOMAG Telematics
- Outside mirrors
- BOMAP compaction navigation with GPS

