BOMAG
FAYAT GROUP

Tandem Vibratory Rollers

BW161AD-4, BW190AD-4 HF

BW 161 AD-4 - ASPHALTIC CONCRETE (material weight 140 lb/cu ft, 10 impacts/foot)						
# passes	rolling speed	area coverage	"productivity in tons/hr by lift thickness, 100% efficiency"			
	(mph)	sq yd/hr	1.5 inches	2 inches	2.5 inches	3 inches
3	3.4	3662	289	385	481	578
5	3.4	2197	173	231	289	347
7	3.4	1570	124	165	206	248

BW 190AD-4 HF - ASPHALTIC CONCRETE (material weight 140 lb/cu ft, 10 impacts/foot)						
# passes	rolling speed	area coverage	"productivity in tons/hr by lift thickness, 100% efficiency"			
	(mph)	sq yd/hr	1.5 inches	2 inches	2.5 inches	3 inches
3	3.5	4491	402	536	670	804
5	3.5	2695	241	322	402	482
7	3.5	1925	172	230	287	344

Note: Repeat number of passes over the same area is required to achieve specified compaction efficiency/density. Successive passes over same area results in reduced area coverage and productivity. Rolling speed selected provides impact spacing of a minimum of 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.

BW161AD-4, BW190AD-4 HF

An Innovative Design, Capable of Handling a Wide Range of Compaction Applications …

A new benchmark for styling, performance and safety, the BW161AD-4 and BW190AD-4 HF, redesigned to provide an even higher standard in compaction performance. These two models are designed for those seeking more than average results. BOMAG pushes the boundaries forward with unsurpassed operator visibility, unmatched operator comfort, ease of maintenance and component accessibility and compaction and productivity performance that exceeds the competition.

The operator's station features a sliding and swiveling seating position with integrated travel and vibrator controls, interfacing with two steering wheel positions to provide optimum drum and worksite visibility. Centerpoint articulation with standard crab steering provides superior maneuverability, particularly in confined areas and when working near new construction. Combined with standard dual amplitudes, 2 high operating frequencies and powerful centrifugal forces, maximum productivity on applications ranging from granular base materials to hot mix asphalt can be expected.

Applications:

- Airports
- Parking lots
- Asphalt repairs and resurfacing
- Highway construction and maintenance

Centerpoint articulated steering with standard crab steer off-set provision.

Improved visibility and sliding/swiveling seat result in greater operator productivity.

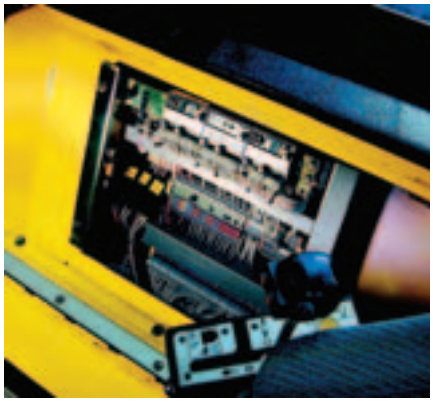
Operation is easier and safer:

- Operator's station features single, sliding and swiveling seating position, with integrated travel / vibration controls. Two steering wheels provide superior positioning and control in all operating situations.
- Excellent visibility to jobsite surroundings, drum surfaces and edges, especially when rolling curblines.
- Hydraulic steering with centerpoint articulation, provides accurate positioning for precision work.
- Easy control familiarization for inexperienced operators with simple and ergonomically designed controls.

Revised operator's station provides unobstructed view of drum surfaces, drum edges and surrounding worksite area

Achieve maximum Productivity:

- The Deutz water-cooled diesel engine provides excellent fuel economy, quiet operation and power in reserve for the most demanding applications.
- Centerpoint articulated steering ensures precise positioning and tracking of the front and rear drums.
- Dual amplitudes, dual frequencies and centrifugal forces to match all applications from granular bases to hot mix asphalt surfaces.
- Independent control of drum vibration together with two operating frequencies deliver optimum compaction productivity.
- Seat mounted dual travel levers with integrated vibration actuation affords the operator thumb-tip vibration on-off control.
- Vibration automatically shuts off at too slow working speeds preventing pavement damage caused by vibrating in place.
- With an unobstructed view of the drum surface(s), the operator can immediately detect any signs of material pick-up.
- The high curb clearance and narrow lateral overhang of the new frame design avoids damage when working close to obstacles.
- The pressurized waterspray system, with secondary back-up spray pump ensures maximum machine up-time.
- Quick-disconnect spray nozzles offer easy removal for cleaning and do not require resetting when replaced.
- A 6-position interval spray timer system reduces water consumption and extends time between refills.



Centralized electronics with Modular Circuit Technology

Less Service and Maintenance:

The purchase price is important, but so are the operating costs. Check these features:

- Centralized electronics with modular circuit technology.
- Strategically positioned hydraulic system test ports.
- All drive components are easily accessible.
- Large swing-open access doors to engine and hydraulic components.
- Maintenance-free, SAHR parking brake system.
- High capacity, impact-resistant plastic water tanks. Filtered supply reduces system contamination and quick disconnect spray nozzles clean easily.
- Hinged drum scrapers assist clean-up and replacement.

Featuring…

Seat can be moved laterally from side to side or swiveled through 180º.

Easy access to engine and hydraulic components from either side.

Two spring loaded scrapers per drum allow easy cleaning and replacement.

With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.

Technical Specifications

BW161AD-4, BW190AD-4 HF

Shipping dimensions
in cubic feet (m³) without/with ROPS

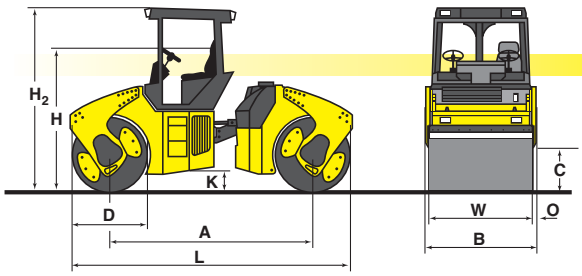
BW 161 AD-4	681.4 (19.30)	881.1 (24.95)
BW 190AD-4 HF	799.9 (22.65)	1034.4 (29.29)

Standard Equipment

- ☑ Hydrostatic travel and vibration drive
- ☑ 2 amplitudes / 2 frequencies
- ☑ Hydrostatic articulated steering
- ☑ Crab steer right/left 6.7" (170mm)
- ☑ Automatic vibration operation
- ☑ Individual drum vibration control
- ☑ Operator's platform with:
  - two (2) steering wheels
  - adjustable seating position
- ☑ 2 travel levers with integrated switches for vibration
- ☑ Vehicle electronics with modular circuit technology
- ☑ High capacity plastic water tanks
- ☑ Pressurized water spray with 2 spray pumps
- ☑ Folding scraper design
- ☑ 4 integrated worklights
  - * Indicator and hazard lights
- ☑ ROPS/FOPS with seat belt
- ☑ Back-up alarm

Optional Equipment

- ☐ ROPS cabin with seat belt with/without heating + outside mirror
- ☐ Rotary beacon
- ☐ Speedometer
- ☐ Edge cutter
- ☐ Special painting
- ☐ Environmentally friendly oil



Dimensions in inches (mm)

	A	B	C	D	H	H₂	K	L	O	W
BW 161 AD-4	129.9	72.44	27.56	48.03	91.34	118.11	15.75	177.95	3.15	66.1
	(3300)	(1840)	(700)	(1220)	(2320)	(3000)	(400)	(4520)	(80)	(1680)
BW 190AD-4 HF	129.9	85.04	28.15	48.03	91.34	118.11	13.78	177.95	3.15	78.74
	(3300)	(2160)	(715)	(1220)	(2320)	(3000)	(350)	(4520)	(80)	(2000)

Technical data			BOMAG BW 161 AD-4		BOMAG BW 190 AD-4 HF	
Weights						
Basic weight with ROPS	lbs	(kg)	19511	(8850)	25353	(11500)
Operating weight	lbs	(kg)	21826	(9900)	26015	(11800)
Axle load (front)	lbs	(kg)	11079	(5025)	12895	(5849)
Axle load (rear)	lbs	(kg)	10748	(4875)	13120	(5951)
Average static linear load	pli	(kg/cm)	165.1	(29.5)	165.2	(28.75)
Dimensions						
Rolling width	in	(mm)	66.1	(1679)	78.7	(2000)
Transport height	in	(mm)	118.11	(3000)	118.11	(3000)
Track radius, inner	in	(mm)	173.2	(4400)	166.93	(4240)
Dimensions			see sketch		see sketch	
Driving Characteristics (depending on site conditions)						
Speed (1)	mph	(kmph)	0-3.5	(0-5.7)	0-3.5	(0-5.7)
Speed (2)	mph	(kmph)	0-7.0	(0-11.3)	0-7.0	(0-11.3)
Max. gradeability	%		40		40	
Drive						
Engine manufacturer			Deutz		Deutz	
Type			TCD 2011 L04		TCD 2012 L04	
Cooling			water		water	
Number of cylinders			4		4	
Performance SAE J1349	hp	(kW)	99	(75)	134	(100)
Speed	rpm		2300		2300	
Fuel			diesel		diesel	
Electric equipment	V		12		12	
Drive system			hydrostatic		hydrostatic	
Drum driven			f + r		f + r	
Brakes						
Service brake			hydrostatic		hydrostatic	
Parking brake			SAHR		SAHR	
Steering						
Steering system			oscillating, articulating		oscillating, articulating	
Steering method			hydrostatic		hydrostatic	
Steering angle +/-	degrees		30		30	
Oscillating angle +/-	degrees		6		6	
Vibratory System						
Vibrating drum			f, r, f + r		f, r, f + r	
Drive system			hydrostatic		hydrostatic	
Frequency - (high/low)	vpm	(Hz)	3000/2400	(50/40)	3600/2880	(60/48)
Amplitude - (low/high)	in	(mm)	0.015/0.036	(0.39/0.91)	0.015/0.034	(0.37/0.86)
Centrifugal force - (low/high)	lbs	(kN)	18884/28324	(84/126)	28800/40950	(128/182)
Water Spray System						
Type of system			pressurized		pressurized	
Back-up system			2nd pump		2nd pump	
Capacities						
Fuel	gal	(l)	52.8	(200)	52.8	(200)
Water	gal	(l)	264.2	(1000)	264.2	(1000)
Engine oil	gal	(l)	2.5	(9.5)	2.5	(9.5)

Technical modifications reserved. Machines may be shown with options.

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