

Tandem Vibratory Rollers

BW190AD-4 AM

INTELLIGENT
COMPACTION



ASPHALTIC CONCRETE (material weight 140 lb/cu ft)						
# passes	rolling speed (mph)	area coverage sq yd/hr	"productivity in tons/hr by lift thickness, 100% efficiency"			
			1.5 inches	2 inches	2.5 inches	3 inches
2	3.41	6560	517	690	862	1035
3	3.41	4373	345	460	575	690
4	3.41	3280	259	345	431	517
5	3.41	2624	207	276	345	414
6	3.41	2187	172	230	287	345

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 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.

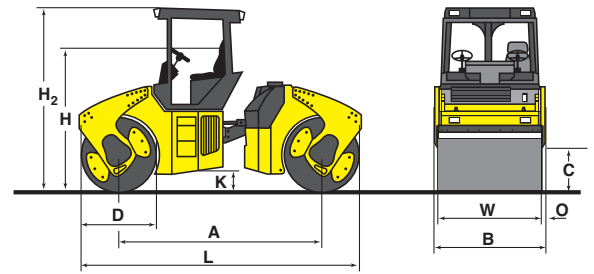
Technical Specifications

BW190AD-4 AM

Shipping dimensions

in cubic feet (m³) without/with ROPS

BW 190AD-4 AM 799.9 (22.65) 1034.4 (29.29)



Dimensions in inches (mm)

	A	B	C	D	H	H ₂	K	L	O	W
BW190AD-4 AM	129.9 (3300)	85.04 (2160)	28.15 (715)	48.03 (1220)	91.34 (2320)	118.11 (3000)	13.78 (350)	177.95 (4520)	3.15 (80)	78.74 (2000)

Technical data

Weights

Basic Weight with ROPS.....	lbs (kg)
Operating Weight.....	lbs (kg)
Axle load (front).....	lbs (kg)
Axle load (rear).....	lbs (kg)
Average static linear load.....	frt. pli (kg/cm)
Average static linear load.....	rr. pli (kg/cm)

Driving Characteristics (depending on site conditions)

Speed (1).....	mph (kmph)	0-3.5 (0-5.7)
Speed (2).....	mph (kmph)	0-7.0 (0-11.3)
Max. gradeability.....	%	40

Drive

Engine manufacturer.....	Deutz
Type.....	TCD 2012 L04
Cooling.....	water
Tier compliance.....	Tier 3
Number of cylinders.....	4
Performance SAE J1349.....	hp (kW)
Speed.....	2300
Fuel.....	diesel
Electric Equipment.....	12
Drive System.....	hydrostatic
Drum Driven.....	f + r

Brakes

Service brake.....	hydrostatic
Parking brake.....	multi disc

Steering

Steering system.....	oscillating, articulating
Steering method.....	hydrostatic
Lateral displacement right/left.....	in (mm)
Track Radius, inner.....	in (mm)

Vario system (Front Drum)

Variomatic drum.....	f
Amplitude directed.....	in (mm)
Amplitude.....	in (mm)
Frequency - (low/high).....	vpm (Hz)
Centrifugal force - (low/high).....	lbs (kN)

Vibratory system (Rear Drum)

Vibrating drum.....	r
Drive system.....	hydrostatic
Frequency - (low/high).....	vpm (Hz)
Amplitude - (low/high).....	in (mm)
Centrifugal force - (low/high).....	lbs (kN)

Water Spray System

Type of system.....	pressurized
Back-up system.....	2nd pump

Capacities

Fuel.....	gal (l)	52.8 (200)
Water.....	gal (l)	264.2 (1000)
Engine Oil.....	gal (l)	2.5 (9.5)

Technical modifications reserved. Machines may be shown with options.

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
- Speedometer

Optional Equipment

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

BOMAG

BW190 AD-4 AM

Basic Weight with ROPS.....	lbs (kg)	26191 (11880)
Operating Weight.....	lbs (kg)	26896 (12200)
Axle load (front).....	lbs (kg)	13812 (6256)
Axle load (rear).....	lbs (kg)	13084 (5935)
Average static linear load.....	frt. pli (kg/cm)	175.5 (30.5)
Average static linear load.....	rr. pli (kg/cm)	166.3 (28.9)
Speed (1).....	mph (kmph)	0-3.5 (0-5.7)
Speed (2).....	mph (kmph)	0-7.0 (0-11.3)
Max. gradeability.....	%	40
Engine manufacturer.....		Deutz
Type.....		TCD 2012 L04
Cooling.....		water
Tier compliance.....		Tier 3
Number of cylinders.....		4
Performance SAE J1349.....	hp (kW)	134 (100)
Speed.....	rpm	2300
Fuel.....		diesel
Electric Equipment.....		12
Drive System.....		hydrostatic
Drum Driven.....		f + r
Service brake.....		hydrostatic
Parking brake.....		multi disc
Steering system.....		oscillating, articulating
Steering method.....		hydrostatic
Lateral displacement right/left.....	in (mm)	6.7 (170)
Track Radius, inner.....	in (mm)	166.93 (4240)
Variomatic drum.....		f
Amplitude directed.....	in (mm)	automatic/variable
Amplitude.....	in (mm)	0.037 (0.93)
Frequency - (low/high).....	vpm (Hz)	2400/3000 (40/50)
Centrifugal force - (low/high).....	lbs (kN)	35550/55575 (158/247)
Vibrating drum.....		r
Drive system.....		hydrostatic
Frequency - (low/high).....	vpm (Hz)	2760/3420 (46/57)
Amplitude - (low/high).....	in (mm)	.015/.034 (0.37/0.86)
Centrifugal force - (low/high).....	lbs (kN)	24525/37575 (109/167)
Type of system.....		pressurized
Back-up system.....		2nd pump
Fuel.....	gal (l)	52.8 (200)
Water.....	gal (l)	264.2 (1000)
Engine Oil.....	gal (l)	2.5 (9.5)

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