MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*BOMAG*
Model:	*BW138-AD5*
Equipment Type:	*TANDEM ROLLER*
Contractor Modifications:	*NONE*

Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*12,125 lb or less*
Traffic:	*Approved with regular traffic*
Location Restrictions:	*Remain in painted lane*

Non-Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*12,125 lb or less*
Traffic:	*Approved with regular traffic*
Location Restrictions:	*Remain in painted lane*

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Equipment must be empty while crossing. Vibratory system must be turned off while on bridge.

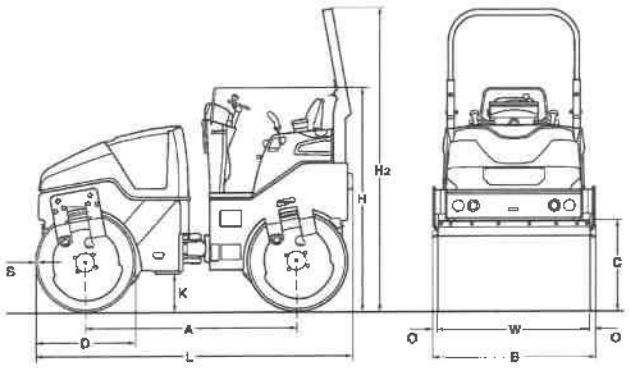
BOMAG
FAYAT GROUP

TECHNICAL DATA

TANDEM ROLLERS

BW 135 AD-5, BW 138 AD-5





Dimensions in inch

	A	B	C	D	H	H2	K	L	O	S	W
BW 135 AD-5	74.8	54.7	27.6	35.4	74.8	106.3	13.4	111.8	1.7	0.63	51.2
BW 138 AD-5	74.8	57.8	27.6	35.4	74.8	106.3	13.4	111.8	1.7	0.71	54.3

Shipping dimensions in cub.yd	without ROPS	with ROPS
BW 135 AD-5	9,803	13,931
BW 138 AD-5	10,358	14,721

Machine type	Compaction output (cub.yd/h) at recommended soil layer thicknesses		
	Gravel, sand	Mixed soil	Silt, clay
BW 135 AD-5	117.7-235.4	91.6-183.1	52.3-104.6
BW 138 AD-5	130.8-261.6	104.6-209.3	52.3-104.6

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	0.8-1.6 in	2.4-3.1 in	3.9-5.5 in
BW 135 AD-5	39.2-71.9	65.4-111.2	98.1-170.0
BW 138 AD-5	39.2-71.9	65.4-117.7	98.1-176.6

Technical Data		BOMAG BW 135 AD-5	BOMAG BW 138 AD-5
Weights			
Operating weight w. ROPS CECE	lb	8,929	9,921
Average static linear load CECE	lb/in	87.4	91.3
Grossweight	lb	12,125	12,125
Dimensions			
Working width	in	51.2	54.3
Track radius, inner	in	104.9	103.0
Driving Characteristics			
Speed	mph	0- 6.2	0- 6.2
Working speed with vibration	mph	0- 6.2	0- 6.2
Max. gradeability without/with vibr.	%	40/30	40/30
Drive			
Engine manufacturer		Kubota	Kubota
Type		V2403	V2403
Emission stage		Stage V / TIER4f	Stage V / TIER4f
Exhaust gas aftertreatment		DPF	DPF
Cooling		water	water
Number of cylinders		4	4
Performance ISO 14396	hp	45.7	45.7
Performance SAE J 1995	hp	45.7	45.7
Speed	rpm	2,400	2,400
Speed adjustment 1	rpm	2,300	2,300
Speed adjustment 2	rpm	2,530	2,530
Electric equipment	V	12	12
Driven drum		front + rear	front + rear
Brakes			
Service brake		hydrost.	hydrost.
Parking brake		hydromec.	hydromec.
Steering			
Steering system		oscil.artic.	oscil.artic.
Steering method		hydrost.	hydrost.
Steering / oscillating angle +/-	deg	32/10.0	32/10.0
Crab walk	in	0- 2.0	0- 2.0
Exciter system			
Vibrating drum		front + rear	front + rear
Drive system		hydrost.	hydrost.
Frequency	vpm	3,000.0/3,360.0	3,000.0/3,360.0
Amplitude	in	0.020	0.020
Centrifugal force	lb	8,700/10,858	10,161/12,814
Sprinkler System			
Type of sprinkling		pressure	pressure
Capacities			
Fuel	gal	14.5	14.5
Water	gal	81.9	81.9

Technical modifications reserved. Machines may be shown with options.