

“Ammann Soil Compactors provide industry-leading compaction outputs regardless of the application.”



SOIL COMPACTORS

PERFORMANCE ON ANY JOBSITE

It's hard to know what the next job will bring: Clay, sand or something in between? Will it require traditional compacting methods or will you have to adjust amplitude and frequency because of sensitive surroundings? Either way you will need a roller that produces. Ammann Soil Compactors provide industry-leading compaction outputs – whatever the application. Your jobsite conditions might change, but you will always have a need for productivity and performance.



HIGH COMPACTION OUTPUT

A combination of factors create industry-leading compaction output. They include the Ammann vibratory system, varied amplitude settings and machine design that drives the energy into the material and away from the operator.

ENGINE OPTIONS

Ammann Soil Compactors are available with several engine types to match your local requirements.

COMPACTION TECHNOLOGY

The proprietary Ammann compaction systems ACE^{force} and ACE^{pro} help you eliminate unnecessary passes and the costs that go with them. The ACE systems deliver quality control by identifying uncompacted spots. ACE^{pro} can even react and automatically adjust the vibration parameters. But that's only the start. All measured values can be displayed and evaluated including load-bearing capacity of material, number of passes and frequency/amplitude values. (For more information, see pages 24-25.)



GENTLE WHEN NEEDED

The rollers' varied amplitude and vibration settings enable use in sensitive areas, such as when working above pipes. You'll have the power you need on all jobsites but the softer touch required on some occasions.

TRACTION AND GRADEABILITY

The use of hydrostatic drive and the Ammann "no-axle" concept improve traction. Instead of a single axle, each rear wheel has separate hydraulics – an incredible traction boost. In addition, Ammann Traction Control ensures exceptional gradeability and stability.

APPLICATIONS

- Backfilling
- Transport construction including motorways, railways and airports
- Building construction
- Dams
- Harbors
- Industrial zones

SPECIFICATIONS

SMOOTH DRUM SOIL COMPACTORS 3-12t

	ASC 50	ASC 70	ASC 70	ASC 90	ASC 90
	Tier 4i	Tier 3	Tier 4i	Tier 3	Tier 4i
OPERATING WEIGHT	4320 kg (9520 lb)	7140 kg (15 740 lb)	7240 kg (15 960 lb)	8820 kg (19 440 lb)	9000 kg (19 840 lb)
WORKING WIDTH	1400 mm (55.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)
CENTRIFUGAL FORCE	100 kN	145/130 kN	145/130 kN	160/145 kN	160/145 kN
FREQUENCY	34 Hz (2040 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)
AMPLITUDE	1.8 mm (0.07 in)	1.7/0.86 mm (0.067/0.034 in)	1.7/0.86 mm (0.067/0.034 in)	1.85/0.91 mm (0.073/0.036 in)	1.85/0.91 mm (0.073/0.036 in)
ENGINE	Kubota V2203 M	Cummins QSB3.3-C99	Deutz TCD3.6 L4	Cummins QSB3.3-C99	Deutz TCD3.6 L4
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i
ROAD CONSTRUCTION TECHNOLOGY	–	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}

	ASC 100	ASC 120	ASC 110	ASC 110	ARS 121	ARS 122
	Tier 1	Tier 1	Tier 3	Tier 4i	BS III	BS III
OPERATING WEIGHT	10 120 kg (22 310 lb)	11 500 kg (25 350 lb)	11 490 kg (25 330 lb)	11 570 kg (25 510 lb)	11 100 kg (24 471 lb)	11 200 kg (24 691 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	277/206 kN	277/206 kN	277/206 kN	277/206 kN	277/206 kN	277/206 kN
FREQUENCY	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)
AMPLITUDE	1.85/1.15 mm (0.073/0.045 in)	1.65/0.95 mm (0.065/0.037 in)	1.85/1.15 mm (0.073/0.045 in)	1.85/1.15 mm (0.073/0.045 in)	1.85/1.15 mm (0.073/0.045 in)	1.85/1.15 mm (0.073/0.045 in)
ENGINE	Cummins 4BTA3.9-C116	Cummins 4BTA3.9-C116	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins 4BTAA 3.9-C99 / or Equivalent	Cummins 4BTAA 3.9-C99 / or Equivalent
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage I, U.S. EPA Tier 1	EU Stage I, U.S. EPA Tier 1	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	Bharat Stage III (BS III)	Bharat Stage III (BS III)
ROAD CONSTRUCTION TECHNOLOGY	–	–	ACE ^{pro} , ACE ^{force}	ACE ^{pro} , ACE ^{force}	–	–



ASC 50 - Tier 4i



ASC 110 - Tier 3

SMOOTH DRUM SOIL COMPACTORS 13-25t

	ASC 130	ASC 130	ASC 150	ASC 150	ASC 170	ASC 170
	Tier 3	Tier 4i	Tier 3	Tier 4i	Tier 3	Tier 4i
OPERATING WEIGHT	12 510 kg (27 580 lb)	12 620 kg (27 820 lb)	14 580 kg (32 140 lb)	14 580 kg (32 140 lb)	16 270 kg (35 870 lb)	16 000 kg (35 270 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300/230 kN	277/206 kN	325/237 kN	335/237 kN	335/260 kN	335/260 kN
FREQUENCY	30/36 Hz (1800/2160 VPM)	32/35 Hz (1920/2100 VPM)	29/35 Hz (1740/2100 VPM)	29/35 Hz (1740/2100 VPM)	28/35 Hz (1680/2100VPM)	28/35 Hz (1680/2100VPM)
AMPLITUDE	1.9/1.05 mm (0.075/0.041 in)	1.15/1.86 mm (0.045/0.073 in)	2/1 mm (0.079/0.039 in)	2/1 mm (0.079/0.039 in)	2.2/1.1 mm (0.087/0.043 in)	2.2/1.1 mm (0.087/0.043 in)
ENGINE	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i
ROAD CONSTRUCTION TECHNOLOGY	ACE ^{force}	ACE ^{force}	ACE ^{pro} , ACE ^{force}	ACE ^{pro} , ACE ^{force}	ACE ^{force}	ACE ^{force}

	ASC 200	ASC 250	ARS 200	ARS 200	ARS 220	ARS 220
	Tier 3	Tier 3	Tier 3	Tier 4f	Tier 3	Tier 4f
OPERATING WEIGHT	20 710 kg (45 660 lb)	25 330 kg (55 840 lb)	19 750 kg (43 541,3 lb)	19 750 kg (43 541,3 lb)	22 050 kg (48 611,9 lb)	22 050 kg (48 611,9 lb)
WORKING WIDTH	2240 mm (88.2 in)	2240 mm (88.2 in)	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)
CENTRIFUGAL FORCE	400/300 kN	460/340 kN	300/375 kN	300/375 kN	300/375 kN	300/375 kN
FREQUENCY	28/34 Hz (1680/2040 VPM)	28/34 Hz (1680/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)
AMPLITUDE	2/1 mm (0.079/0.039 in)	2.2/1.1 mm (0.087/0.043 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)
ENGINE	Cummins QSB6.7-C220	Cummins QSB6.7-C220	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIa, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIa, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}



ASC 150 - Tier 4i



ARS 200 - Tier 4f

PADFOOT DRUM SOIL COMPACTORS 3-12t

	ASC 30	ASC 50	ASC 70	ASC 70	ASC 90	ASC 90
	Tier 4i	Tier 4i	Tier 3	Tier 4i	Tier 3	Tier 4i
OPERATING WEIGHT	4100 kg (9040 lb)	4500 kg (9920 lb)	7090 kg (15 630 lb)	7090 kg (15 630 lb)	8770 kg (19 330 lb)	8940 kg (19 710 lb)
WORKING WIDTH	1200 mm (47.3 in)	1400 mm (55.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)
CENTRIFUGAL FORCE	85 kN	100 kN	145/130 kN	145/130 kN	160/145 kN	160/145 kN
FREQUENCY	36 Hz (2160 VPM)	34/31 Hz (2040/1680 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)	30/41 Hz (1800/2460 VPM)
AMPLITUDE	1.8 mm (0.07 in)	1.8 mm (0.07 in)	1.7/0.86 mm (0.067/0.034 in)	1.7/0.86 mm (0.067/0.034 in)	1.85/0.91 mm (0.073/0.036 in)	1.85/0.91 mm (0.073/0.036 in)
ENGINE	Kubota V2203 M	Kubota V2203 M	Cummins QSB3.3-C99	Deutz TCD3.6 L4	Cummins QSB3.3-C99	Deutz TCD3.6 L4
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i
ROAD CONSTRUCTION TECHNOLOGY	–	–	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}

	ASC 100	ASC 120	ASC 110	ASC 110
	Tier 1	Tier 1	Tier 3	Tier 4i
OPERATING WEIGHT	10 860 kg (23 940 lb)	12 060 kg (26 590 lb)	12 100 kg (26 680 lb)	12 180 kg (26 850 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	277/206 kN	277/206 kN	277/220 kN	315/220 kN
FREQUENCY	32/35 Hz (1920/2100 VPM)	32/35 Hz (1920/2100 VPM)	31/35 Hz (1860/2100 VPM)	31/35 Hz (1860/2100 VPM)
AMPLITUDE	1.6/0.97 mm (0.063/0.038 in)	1.55/0.9 mm (0.061/0.035 in)	2/1.1 mm (0.079/0.043 in)	2/1.1 mm (0.079/0.043 in)
ENGINE	Cummins 4BTA3.9-C116	Cummins 4BTA3.9-C116	Cummins QSB4.5-C160	Cummins QSB4.5-C160
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage I, U.S. EPA Tier 1	EU Stage I, U.S. EPA Tier 1	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i
ROAD CONSTRUCTION TECHNOLOGY	–	–	ACE ^{pro} , ACE ^{force}	ACE ^{pro} , ACE ^{force}



ASC 30 - Tier 4i



ASC 120 - Tier 1

PADFOOT DRUM SOIL COMPACTORS 13-25t

	ASC 130	ASC 130	ASC 150	ASC 150	ASC 170	ASC 170
	Tier 3	Tier 4i	Tier 3	Tier 4i	Tier 3	Tier 4i
OPERATING WEIGHT	12 740 kg (28 090 lb)	12 840 kg (28 310 lb)	14 490 kg (31 940 lb)	14 490 kg (31 940 lb)	16 170 kg (35 650 lb)	15 900 kg (35 050 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300/230 kN	315/220 kN	325/236 kN	335/236 kN	335/260 kN	335/260 kN
FREQUENCY	30/36 Hz (1800/2160 VPM)	31/35 Hz (1860/2100 VPM)	29/35 Hz (1740/2100 VPM)	29/35 Hz (1740/2100 VPM)	28/35 Hz (1680/2100VPM)	28/35 Hz (1680/2100VPM)
AMPLITUDE	1.85/1 mm (0.073/0.039 in)	2/1.1 mm (0.079/0.043 in)	2/1 mm (0.079/0.039 in)	2/1 mm (0.079/0.039 in)	2.2/1.1 mm (0.087/0.043 in)	2.2/1.1 mm (0.087/0.043 in)
ENGINE	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160	Cummins QSB4.5-C160
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIB, U.S. EPA Tier 4i
ROAD CONSTRUCTION TECHNOLOGY	ACE ^{force}	ACE ^{force}	ACE ^{pro} , ACE ^{force}	ACE ^{pro} , ACE ^{force}	ACE ^{force}	ACE ^{force}

	ASC 200	ASC 250	ARS 200	ARS 200	ARS 220	ARS 220
	Tier 3	Tier 3	Tier 3	Tier 4f	Tier 3	Tier 4f
OPERATING WEIGHT	20 780 kg (45 810 lb)	25 520 kg (56 260 lb)	19 875 kg (43 817 lb)	19 875 kg (43 817 lb)	22 175 kg (48 887 lb)	22 175 kg (48 887 lb)
WORKING WIDTH	2240 mm (88.2 in)	2240 mm (88.2 in)	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)	2130 mm (83 in)
CENTRIFUGAL FORCE	400/300 kN	460/340 kN	300/375 kN	300/375 kN	300/375 kN	300/375 kN
FREQUENCY	28/34 Hz (1680/2040 VPM)	28/34 Hz (1680/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)	27/34 Hz (1620/2040 VPM)
AMPLITUDE	2/1 mm (0.079/0.039 in)	2.2/1.1 mm (0.087/0.043 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)	2/1 mm (0,078/0,039 in)
ENGINE	Cummins QSB6.7-C220	Cummins QSB6.7-C220	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6	DEUTZ TCD 6.1 L6
ENGINE COMPLIES WITH EMISSION REGULATIONS	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIA, U.S. EPA Tier 3	EU Stage IIIa, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f	EU Stage IIIa, U.S. EPA Tier 3	EU Stage IV, U.S. EPA Tier 4f
ROAD CONSTRUCTION TECHNOLOGY	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}	ACE ^{force}



ARS 220 - Tier 4f



ASC 250 - Tier 3