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AMMANN



Machines

Tandem Rollers
AVH Line Tier 3

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Heavy tandem rollers with rigid frame and split drums put optimal energy into bitumen even in bright curves.

Ammann tandem rollers AV 70-2, AV 85-2 and AV 95-2 are the best sde in compacting asphalt mixtures, also suits to mixed soils, sand, gravel and stabilizations. The vibratory rollers cope with compacting of medium and larger areas in road construction (highway, road and airfield construction) and building construction (industrial areas etc.).

The AV 70-2, AV 85-2 and AV 95-2 are built on backbone frames enabling crab-steering up to 1293 mm both sides. Two split drums help to reach small turning radius without risk of disturbing the top layer. Driver can move along the entire cab to check drum edges and surface while seating & driving comfortably with both hands. The driver can choose out of 3 options of steering via a front drum, rear drum or with both of them simultaneously. The optimum effect of compaction is accomplished via two-stage vibration exciters.

Combi rollers AV 70-2 K, AV 85-2 K and AV 95-2 K join benefits of vibratory and rubber tyred rollers. The front vibratory drum enables the machine to achieve high level of compaction, while the rear rubber tyred axle homogenizes a compacted surface (AV 85-2 K and AV 95-2 K).



ACE Ammann Compaction Expert incl. IR thermometer

System of intelligent compaction on principle of continuous changeable amplitude & frequency. Possibility to be equipped with digital printer.



Prooven Tier 3 engines from Cummins provides sufficient and reliable propulsion.



Pneu tyred rear axle



Crab up to 1293 mm



Edge Cutter & Compactor

Controlled from cab, two-piece compactor-wheel with sprinkling nozzles.



Chip Spreader

Stable flow of chips within entire compacting width. Possibility to be equipped with crumble shaft, vibrator and stand.



Thermometer

Infrared sensor inspects IR-rays of bitumen. Driver reads temperature displayed on the dashboard.



Benefits

Operator stays in one simple best position while sliding within entire width of cab even while rotating the seat in 170° range. Driving becomes more precise along edges, while turning or using crab mode. Less fatigue, longer working ability in hi-quality level.

1. Long intervals service

- Resistant bearings of the joints
- Perfect hydraulic oil filtration
- Maintenance intervals between the quarter of the year and 2 years
- Reliable vibration exciters

2. Long working intervals

- Optimal water tanks capacity (capacity versus weight change) 710 (1300) l
- Fuel tank 160 (210) l

3. Drive control

- Smooth start/stop function
- Continuous speed selection
- Inter-wheel & inter-axle differential lock
- Three control modes (front/rear/both of the drums) with crab run available in all 3 modes
- LCD display informs about steering mode & angle, crab distance, drum(s) frequency, machine speed and engine rpm

4. Drums (Efficient compacting)

- Split drums for max maneuverability
- Preset frequencies and amplitudes for the most applied asphalt layers
- Asphalt undulation-free drums (owning extra Nijboer factor values)
- Reliable sprinkler system

5. Cab (Operator's comfort)

- Spacious cab with two-side access
- The seat sliding within entire width of cab, swiveling in 170° range
- All major controllers are positioned directly on the operators seat or nearby
- Excellent view from operator cockpit towards drum surfaces and their edges, even at night



Finger Tip Steering Precise and Ergonomic Steering Systems

Finger Tip Steering is unique way to optimize ergonomic position of all parts of drivers body during every operation. It helps to reach excellent view from operators cockpit towards front drum surface and both front/rear drum edges. Comfortable seat includes 2 integrated side boxes with controls. Right box hosts drive lever forward/ backward. Left side of the seat furnish mini steering wheel. Driver can choose among 3 control modes (front/rear/both of the drums). LCD display informs him about chosen steering mode & actual turning angles of front and rear drum.



Technical Specifications

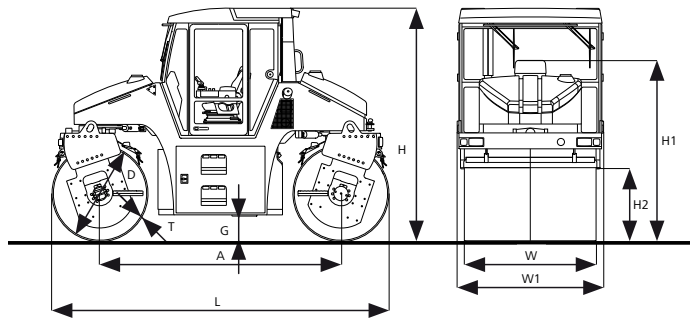
Standard

- CE conformity (incl. ROPS, noise red. kit, seat switch)
- Cab ventilated/heated
- Rotating/sliding seat with steering wheel/joy-stick
- Two drum vibration – two mode vibration
- Split drums
- Diff. lock ATC (interaxle and interdrum) – not on combi versions
- Crab mode offset 1293 mm to both sides
- Quick release of brakes (hydr. Hand pump for emergency)
- Working halogen lights
- Cummins engine
- Standard painting
- Maintenance kit
- Electronic idle control
- Display - Murphy Power View

Optional items

- Air conditioning
- Radio with antenna (Specify make and model)
- Rotating warning light
- Back-up alarm
- Additional headlights on cab 2+2
- Beacon, lic.plate
- Electronic idle control (AV 85-2/95-2)
- Edge-cutter
- Chip spreader
- Infrared-Thermometer
- ACE Ammann Compaction Expert incl. IR Thermometer
- Fire extinguisher (Minimax)
- Toolkit
- Bio. degradable hydraulic oil (Panolin)





Dimensions (mm)	A	D	G	H	H1	H2	L	T	W	W1
AV 70-2/AV 70-2 K	2800	1150	350	2905	2350	810	3950	15	1450	1590
AV 85-2/AV 85-2 K	3060	1220	325	3000	2400	897	4270	17	1680	1867
AV 95-2/AV 95-2 K	3060	1220	325	3000	2400	897	4270	17	1680	1867

		AV 70-2	AV 70-2 K	AV 85-2	AV 85-2 K	AV 95-2	AV 95-2 K
Operating weight max.	kg	8150	8150	9910	8430	10640	8800
Compacting width maximum	mm	2630	2570	2860	2973	2860	2973
Drum offset	mm	1180	1160	1180	1293	1180	1293

Weights

Operating weight (CECE)	kg	7010	6920	8640	7940	9370	8310
Front drum load (CECE)	kg	3570	3390	4240	4240	4610	4610
Rear drum load (CECE)	kg	3440	3530	4400	3700	4760	3700
Front drum linear load	kg/cm	24	-	25,2	25,2	27,4	27,4
Rear drum linear load	kg/cm	26	26	26,2	-	28,3	-

Steering

Steering angle (+-) deg	°	2*25	2*25	2*25	2*25	2*25	2*25
Oscillation angle (+-) deg	°	6	6	6	6	6	6
Turning radius inner (edge)	mm	2590	2590	2780	2780	2780	2780
Turning radius outer (contour)	mm	4130	4130	4502	4502	4502	4502
Transversal stability - straight deg	°	28	28	32	32	32	32

Riding characteristic

Maximal speed	km/h	10	10	12	11	12	11
Gradeability without vibration	%	30	30	30	30	30	30
Gradeability with vibration	%	30	30	30	30	30	30

Brakes

Operation		Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Parking		Multi disc	Multi disc	Multi disc	Multi disc	Multi disc	Multi disc
Emergency		Multi disc	Multi disc	Multi disc	Multi disc	Multi disc	Multi disc

Vibration

Amplitudes	mm	0,62/0,32	0,62/0,32	0,66/0,26	0,66/0,26	0,66/0,26	0,66/0,26
Frequencies	Hz	43/52	43/52	42/50	42/50	42/50	42/50
Centrifugal forces	kN	66/50	66/50	88/49	88/49	88/49	88/49
Watering		Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
No. of pumps		2	2	2	2	2	2
Water filtration stages		3	3	3	3	3	3

Tanks

Fuel	l	120	120	160	160	160	160
Water	l	680	680	640	640	710	710

Electroinstallation

Voltage	V	12	12	12	12	12	12
Capacity of batteries	Ah	100	100	140	140	140	140

Engine

Make		Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Type		B3.3-C74	B3.3-C74	QSB 3.3-C99	QSB 3.3-C99	QSB 3.3-C99	QSB 3.3-C99
Rated power	kW	54	54	74	74	74	74
Standard		ISO 3046/1	ISO 3046/1	ISO 3046/1	ISO 3046/1	ISO 3046/1	ISO 3046/1