



# ACM 100–210 PRIME

ASPHALT-MIXING PLANT MOBILE

## MOBILE AND PRODUCTIVE

Ammann ACM Prime Asphalt-Mixing Plants provide the quality control benefits of a higher capacity plant, yet come in a fully mobile package. The compact design ensures the entire plant fits on one or two trailers, making relocation easy and efficient. Plug-in components reduce costs and enable a quick setup. The plants' design and continuous flow also ensure productivity upon arrival. The result is a fully mobile plant with production capacity of 100 tonnes per hour to 210 tonnes per hour.

### MOBILITY

- Fully chassis mounted
- Compact design
- Plug-in components
- Adheres to international transport codes

### PRODUCTION

- Output capacity of 100 to 210 tonnes per hour
- Continuous flow
- Quality control benefits of a plant with much higher capacity
- Intuitive as1 Control System
- Proven, reliable and robust field bus system

### FUEL EFFICIENCY

- Optimal heat exchange between hot gases generated by the burner flame and aggregates
- Well-insulated, enclosed gaskets between dryer and chamber
- Control of air pressure inside drum and MIBG burner
- Precise dryer and burner settings

### MIX

- Adjustable mixing times based on recipe and capacity
- Able to use as much as 40 % RAP in mix
- Ability to produce warm mix
- Can incorporate filler, fiber and other additives

### LONG LIFE, ADVANCED SUPPORT

- Built for long life and reliability
- Parts and components tried and tested around the world
- Low pressure, gentle cleaning process reduces bag wear
- Easy access for service and maintenance
- 24/7 hotline and support organisations ready for service globally
- Technical services and training available

**AMMANN**

TECHNICAL SPECIFICATIONS  
ACM 100–210 PRIME  
ASPHALT-MIXING PLANT MOBILE

PLANT TYPE *		100	140			210	
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE		100 t/h	140 t/h			210 t/h	
NUMBER OF COLD FEEDERS		Standard: 3   + Option 4 or 5				Standard: 4   + Option 5 or 6	
CONTENT COLD FEEDERS		7 m³ each   Option: 10 m³ each with extension plates				10 m³ each with extension plates	
TYPE DRYING DRUM		T 1650	T 1860			T 2080	
BURNER POWER OUTPUT		7 MW	10 MW			14 MW	
FUELS		Standard: Light oil, heavy oil   Option: Natural gas, LPG					
FILTER CAPACITY		22 000 Nm³/h	30 000 Nm³/h			44 000 Nm³/h	
AGGREGATE SCALE		Belt scale with 2 load cells by cold feeder					
BITUMEN DOSING SYSTEM		Volumetric   Option: massflow system					
TYPE MIXER		Amix twin-shaft paddle mixer with mix dwell time for filling level					
MIXER SIZE / CONTENT		0.9 t	1.5 t			2.1 t	
NUMBER OF AGITATOR PLANES		24	20			28	
CONTROL SYSTEM		as1					
COLD RECYCLING ADDITION AT 3 % MOISTURE		Up to 15 % directly into the mixer	Up to 20 % directly into the mixer			Up to 40 % directly into the mixer	
MOBILITY		1 chassis	1 chassis or 2 chassis			2 chassis	
TRANSPORT DIMENSIONS WITHOUT TRUCK		1 chassis	1 chassis	2 chassis Cold feeder module	2 chassis Dryer module	2 chassis Cold feeder module	2 chassis Dryer module
Overall length		21 m	22.7 m	13.5 m	13.6 m	14.6 m	18.4 m
Length (from kingpin)		17.9 m	19.6 m	12.5 m	12.7 m	12.9 m	17.5 m
Width   Height		3.2 m   4.4 m	3.2 m   4.4 m	3.2 m   4.4 m	3.2 m   4.4 m	3.2 m   4.4 m	3.2 m   4.4 m
Number of axles		2	3	1	2	2	3
Maximum load per axle		8.5 t	8.5 t	7.1 t	9.5 t	7 t	8.3 t
Maximum on kingpin		17 t	17 t	7.1 t	12 t	10.1 t	16.4 t
Overall weight approx.		34 t	42.5 t	14.2 t	31 t	24 t	41.2 t
OPTIONS		Extensions plates for cold feeders (available for ACM 100 Prime & ACM 140 Prime) Additional one ore two cold feeders Protection grid for oversized material for cold feeders Additional wall vibrator for cold feeders Tri-fuel burner for additional combustibles (natural gas, etc.) Mobile or stationary bitumen and fuel tanks Heater for heavy oil Recycling addition: directly into the mixer Imported filler addition Reclaimed filler dosing system Bitumen counter for gravimetric dosing Oil meter Bitumen foam generator Fiber addition Hot mix storage silo lateral More options upon request					
* Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, hot mix temperature of 150 °C and 0/2 fraction share max. 40 %.							