



ABA 100–320 UNIBATCH PERFORMANCE

ASPHALT-MIXING PLANT ADVANCED

A PRODUCTIVE COST-SAVER

Reducing your costs and boosting your profits are always at the forefront when designing Ammann Asphalt-Mixing Plants. Ammann ABA UniBatch Plants utilise an exceptionally efficient drying and heating process that conserves energy and ultimately reduces costs. The burner control regulates the the drying process to ensure reduced fuel consumption and low emissions. You also can choose the most cost-effective fuel, with options including natural gas, light fuel oil, heavy fuel oil and LPG.

PERFORMANCE

- Wide output range from 100 to 320 tonnes per hour
- Ultra-fast, homogenous mixing
- Reliability for minimal downtime
- as1 Control System
- Intuitive operation

OPTIONS

- Additives such as dye pigment, fibres and Ammann Foam
- Cold or hot reclaimed asphalt feed
- Fumes and noise mitigation systems
- Cladding
- Multiple fuel choices

DESIGN

- Stationary or semimobile
- Mixing tower modules optimised for easy transport
- Engineered to EU EHS standards
- Easy integration of future options

COST EFFICIENCY

- Efficient drying and heating process
- Burner control minimises consumption
- Multiple fuel options
- Lowest down-time
- Highest quality control for zero waste

SERVICE

- Plants designed for reduced wear
- Easy and accessible maintenance

AMMANN

TECHNICAL SPECIFICATIONS
 ABA 100–320 UNIBATCH PERFORMANCE
 ASPHALT-MIXING PLANT ADVANCED



PLANT TYPE*	100P	140P	180P	210P	240P	260P	300P	320P
CONTINUAL PLANT CAPACITY AT 5% MOISTURE	100 t/h	140 t/h	180 t/h	210 t/h	240 t/h	260 t/h	300 t/h	320 t/h
NUMBER OF COLD FEEDERS	As desired							
CONTENT COLD FEEDERS	7.5 m ³ –15 m ³							
TYPE DRYING DRUM	T 1870	T 2080	T 2390	T 2390	T 25100	T 25100	T 27110	T 27110
BURNER POWER OUTPUT	10 MW	14 MW	16 MW	18 MW	20 MW	24 MW	24 MW	26 MW
FUELS	Natural gas, LPG, light oil, heavy oil, brown-coal dust (BCD), wood dust* (*only with T 27110)							
FILTER CAPACITY AFA-G5	28 000 Nm ³ /h	37 000 Nm ³ /h	50 000 Nm ³ /h	57 000 Nm ³ /h	63 000 Nm ³ /h	70 000 Nm ³ /h	83 000 Nm ³ /h	90 000 Nm ³ /h
TYPE SCREEN	VA 1230	VA 1536	VA 1536 S	VA 1840	VA 1840 S	VA 1840 S	VA 2050	VA 2050 S
SCREENING	4-fraction	4- or 5-fraction		5- or 6-fraction				
SCREEN SURFACE	13 m ²	15–20 m ²	15–20 m ²	27–33 m ²	27–33 m ²	27–33 m ²	36–43 m ²	36–43 m ²
HOT AGGREGATE SILO 1-ROW	Basic module: 29 t Additional module 24 t (total max. 53 t)			Basic module: 36 t Additional module 25 t + 25 t (total max. 86 t)			Basic module: 40 t Additional module 25 t + 25 t + 25 t (total max. 115 t)	
AGGREGATE SCALE	2500 kg			4155 kg			4650 kg	
FILLER SCALE	300 kg			456 kg			510 kg	
BITUMEN SCALE	200 kg			264 kg			363 kg	
MIXER SIZE / MAX. CONTENT**	1.2 t	1.7 t	2.2 t	3.3 t			4.3 t	
MAX. MIXER CAPACITY	102 t/h	145 t/h	187 t/h	280 t/h			365 t/h	
BINDING AGENT SUPPLY	E-Bit, horizontal or vertical configurations, 60 m ³ , 80 m ³ , 100 m ³ , also divided tanks available. Option: hot oil heated tanks							
FILLER SUPPLY	According to customer's wishes: reclaimed and imported filler silos or filler towers in different desired configurations							
HOT MIX STORAGE SILO / COMPARTMENTS	Standard: 40 or 30 t (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +70 t (2 c.) with 50 mm isolation up to 3 in line silos with flat skip; or simplified version 45 t or 30 t (1 c.) with 50 mm isolation as optional Option lateral with skip: 62 t (1 c.); or 63 t (2 c.) + extension 49 t (2 c.)							
RECYCLING ADDITION UP TO 30%	Recommendation: RAC directly into the mixer Alternative: RAC into hot elevator or via ring into the RAH50 drum							
RECYCLING ADDITION UP TO 40%	Up to 40% with recycling drum RAH50, up to 55% with 40% via ring + 15% RAC into the mixer, or up to 60% via parallel drum system							

* Hot mix production capacity based on following conditions: 10% bitumen and filler addition, input moisture of aggregates 5%, aggregate temperature increase 175 K, recipes AC16 (6-fraction) - AC22 (5-fraction) | Mixing batches: 85 per hour.

** The improved addition of filler and bitumen into the mixer increases mix efficiency of 85 batches per hour.

