



ACP 300–500 CONTIHRT

ASPHALT-MIXING PLANT PREMIUM

A CONTINUOUS RECYCLER

The Ammann ACP ContiHRT meets the needs of customers who want a continuous asphalt-mixing plant with advanced recycling capabilities. The plant features a parallel RAP dryer for the addition of warm recycled materials and a separate cold recycling feed. This enables the plant to develop mix consisting of up to 60 percent RAP – a rate unrivaled by other North American continuous plants.

RECYCLING TECHNOLOGY

- Parallel RAH60 warm recycling system for high RAP utilization of 60 percent
- Separate RAC30 cold recycling system for RAP utilization of 30 percent
- Simultaneous incorporation of both recycling systems for maximum flexibility

HIGH QUALITY AND LOW EMISSIONS

- Mixed in a twin-shaft Ammann Amix mixer to produce highest mix quality
- Separate drying and mixing processes to ensure the highest quality and flexibility – even with complex designs utilizing RAP and additives
- Minimal emissions because RAP, binder and additives do not face excessive dryer temperatures
- Optimized baghouse that features Ammann Heatpackage to minimize temperature loss and emissions

EASY TRANSPORT, HIGH PRODUCTION

- Horizontal plant design ensures fast and easy assembly and disassembly
- Optional quick cabling and steel foundations allow even faster relocation
- Continuous production capacities of 330 tons, 440 or 550 tons (300, 400 or 500 metric tons) per hour deliver maximum performance for large projects

WIDE RANGE OF OPTIONS

- Cold feed system options include additional feeders, gravimetric dosing, vibrators and more
- Burner available for light oil, natural gas and LPG
- Capable of adding shingles, liquid additives, fiber granulate and foam bitumen

AMMANN

TECHNICAL SPECIFICATIONS
ACP 300–500 CONTIHRT
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PLANT TYPE *	300	400	500
CONTINUAL PLANT CAPACITY AT 5% MOISTURE	330 tons/h 300 metric tons/h	440 tons/h 400 metric tons/h	550 tons/h 500 metric tons/h
RECYCLING SYSTEM	RAH60 (parallel flow)		
MAX. RECYCLING ADDITION	60%		
NUMBER OF RECYCLING FEEDERS	As desired		
CONTENT RECYCLING FEEDERS	706 ft ³ 20 m ³		
TYPE RECYCLING DRYING DRUM	RT 25140	RT 29140	RT 32140
MAX. RECYCLING CAPACITY AT 3% MOISTURE	198 tons/h 180 metric tons/h	264 tons/h 240 metric tons/h	330 tons/h 300 metric tons/h
BURNER RECYCLING DRUM POWER OUTPUT	40.9 million Btu/h 12 MW	54.6 million Btu/h 16 MW	68.2 million Btu/h 20 MW
FUELS	Natural gas, fuel oil extra light, liquid propane gas (LPG)		
BAGHOUSE CAPACITY	56,075 SCFM 90 000 Nm ³ /h	62,305 SCFM 100 000 Nm ³ /h	87,227 SCFM 140 000 Nm ³ /h
NUMBER OF COLD FEEDERS	As desired		
CONTENT COLD FEEDERS	706 ft ³ 20 m ³		
TYPE DRYING DRUM	T 27110	T 29120	T 32140
MAX. AGGREGATE DRYING CAPACITY AT 5% MOISTURE	318 tons/h 289 metric tons/h	398 tons/h 361 metric tons/h	585 tons/h 532 metric tons/h
BURNER POWER OUTPUT	88.7 million Btu/h 26 MW	109 million Btu/h 32 MW	136.49 million Btu/h 40 MW
FUELS	Natural gas, fuel oil extra light, liquid propane gas (LPG)		
AGGREGATE SCALE	Weighing belt		
FILLER SCALE	Weighing screws (optional)		
BITUMEN SCALE	Coriolis massflow system		
TYPE MIXER	Amix twin-shaft paddle mixer with mix dwell time control for filling level		
MIXER SIZE / CONTENT	4.4 tons 4 metric tons	5.5 tons 5 metric tons	6.6 tons 6 metric tons
MAXIMUM MIXING CAPACITY	352 tons/h 320 metric tons/h	463 tons/h 420 metric tons/h	550 tons/h 500 metric tons/h
COLD RECYCLING ADDITION AT 3% MOISTURE	Up to 30% RAC addition directly into the mixer		
COLD RECYCLING SCALE	Weighing belt		
BINDING AGENT SUPPLY	E-Bit, vertical configurations, 26,420 U.S. gal, 30,380 U.S. gal, 39,630 U.S. gal, also divided tanks available. E-Bit, vertical configurations, 100 m ³ , 115 m ³ , 150 m ³ , also divided tanks available.		
FILLER SUPPLY	According to customer's wishes: filler silos in different desired configurations		

* Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of virgin aggregates 5 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 %.