

ACC 90–120 COUNTERMIX

CLASSIC ASPHALT-MIXING PLANTS



EFFICIENT COUNTERFLOW TECHNOLOGY

The ACC 90 CounterMix and the ACC 120 CounterMix counterflow asphalt drum-mix plants are efficient and environmentally friendly. They combine the simplicity of existing continuous drum-mix plants with the added efficiency achieved through counterflow technology. The plants produce mix at a lower cost than traditional parallel-flow drum-mix plants. They require less energy to heat materials, and therefore reduce emissions as well. The plants also can easily incorporate recycled asphalt (RAP) and other additives.

COST-EFFECTIVE

- Fuel savings through counterflow technology
- Minimal dust disposal costs effective
- Use of RAP

QUALITY ENGINEERING

- Efficient counterflow dryer drum
- With 4-wheel friction drive and shaft mounted gear motors
- Efficient bag filter and pre-separator which is environment-friendly

PRODUCTION AND QUALITY

- Reduced bitumen aging
- Output capacities of 90 tons and 120 tons per hour
- High quality mix

COUNTERFLOW TECHNOLOGY

- 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

ENVIRONMENT-FRIENDLY

- Incorporates RAP usage
- Minimises energy usage
- Reduces VOC content in exhaust gases
- Eliminates dust emission into the air or disposal in mud ponds

AMMANN

TECHNICAL SPECIFICATIONS
ACC 90-120 COUNTERMIX
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PLANT TYPE*	90	120
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE	90 t/h	120 t/h
NUMBER OF COLD FEEDERS	4	
CONTENT COLD FEEDERS	8 m³ each bin with extension plates	
AUXILLIARY CONVEYOR BELT AND DRIVE	450 mm × 1.4 m / 1.1 kW × 4 nos = 4.4 kW	
GATHERING CONVEYOR BELT AND DRIVE	500 mm × 11 m / 2.2 kW	600 mm / 3.7 kW
BIN VIBRATOR MOTOR	0.18 kW	
OVERSIZE REMOVAL SCREEN MESH AND DRIVE	45 × 45 mm / 0.18 kW	
SLINGER CONVEYOR BELT AND DRIVE	500 mm / 3.7 kW	500 mm / 4.5 kW
TYPE DRYING DRUM	Cylindrical, inclined counter flow	
DIAMETER / LENGTH	1650 / 7080 mm (with RAP ring)	1800 / 8500 mm (with RAP ring)
DRUM DRIVE	7.5 × 4 = 30 kW (Total 4 nos) (with RAP ring)	9.5 × 4 = 38 kW (Total 4 nos) (with RAP ring)
BURNER POWER OUTPUT	6.59 MW (long nose S8 burner)	7.67 MW (long nose S10 burner)
FUELS	Standard burner for LDO / Diesel. Heavy oil as an options.	
FILTER CAPACITY	15 000 Nm³/h	31 000 Nm³/h
FILTER SURFACE	200 m²	420 m²
EXHAUSTER CAPACITY	45 kW motor power	75 kW motor power
LOAD-OUT CONVEYOR CAPACITY	200 t/h	
LOAD-OUT CONVEYOR BELT WIDTH	600 mm	
LOAD-OUT CONVEYOR DRIVE	5.5 kW	
GOB HOPPER CAPACITY	1.5 t	
HYD POWER PACK	3.7 kW	
FILLER SUPPLY	Mineral filler tank capacity 1.5 m³, Drive 1.5 kW. Air compressor 11 kW. Other sizes and types on request.	
OPTIONAL ITEMS		
DRAG SLAT CONVEYOR CAPACITY	100 t/h	120 t/h
HOT MIX STORAGE SILO	50 t	
BITUMEN TANKS	20 kl / 30 kl Horizontal type. Direct heating / Hot oil heating.	
RECYCLING ADDITION	Through RAP addition ring in the drum	
SPECIAL SIZE ON REQUEST		
* Hot mix production capacity based on following conditions: 10 % bitumen and 12 % filler addition, input moisture of aggregates 3 %, hot mix temperature of 150 °C and 0 / 2 fraction share max. 40 %.		