



# RSS 120-M

SHREDDER, IRON SEPARATOR  
AND SCREEN

## A 3-IN-1 MACHINE

The Ammann RSS 120-M is a shredder, iron separator and screen – all built into a single machine. It is ideal for recycling asphalt, from milled materials to asphalt slabs and large chunks. The RSS 120-M features patented technology that utilises milling cutters with interchangeable teeth for efficient and gentle crushing. The technology is both powerful and fuel efficient, and complements other environmental friendly efforts built into the machine, including minimised sound and dust emission levels.

### SHREDDING

- Gentle crushing system retains material grain sizes and creates fewer fine particles
- Local or remote management of all shredding and screening parameters is available
- Shredder motor stops when clogging occurs
- Shredder runs in reverse for cleaning
- Oversize grain is recirculated and crushed with secondary shredder

### MOBILE AND EASY TO INSTALL

- From installation to production in 30 minutes
- Track-mounted for mobility
- Standard transport by flatbed truck

### EASY MAINTENANCE

- One-hour screen changes
- Wear parts easily replaced
- Notification system for intuitive troubleshooting

### PRODUCTIVE AND POWERFUL

- Machine processes reliably and efficiently recycling asphalt, from milled materials to asphalt slabs and large chunks
- It works in any weather conditions
- It has a maximum theoretical performance of up to 180 t/h
- Hydraulic pushers in the hopper fill the shredder
- Driving motors are hydraulically powered
- Electric motor delivers consistent crushing and screening

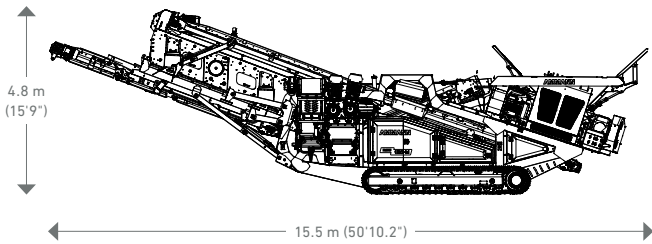
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## TECHNICAL SPECIFICATIONS

### RSS 120-M SHREDDER, IRON SEPARATOR AND SCREEN

#### WORKING CONDITIONS

Width 6.3 m (20'8") | Width with oversize grain 9.8 m (32'1.8") | Height 4.8 m (15'9") | Length 15.5 m (50'10.2")



#### GENERAL INFORMATION

TYPICAL PROCESSING PERFORMANCE WITH MILLED MATERIAL	120 tons/h (132 short tons/h)
TYPICAL PROCESSING PERFORMANCE WITH SLABS (1000 mm)	80 tons/h (88 short tons/h)
MAX THEORETICAL PERFORMANCE	up to 180 tons/h (198 short tons/h)
NUMBER OF FINAL PRODUCTS	2 + oversize grain
WEIGHT	35 500 kg (77,162 lbs)

#### FEED HOPPER

SURFACE OF THE HYDRAULIC HOPPER	4.00 × 2.30 m (13'1.5" × 7'6.5")
HOPPER VOLUME	3 m³ (3.92 yd³)
FEED HOPPER EXTENSIONS (2 × HIGH) HOPPER VOLUME	8.5 m³ (11.12 yd³)

#### SCREEN

SCREEN AREA	4.25 × 1.3 m (13'11" × 4'3")
NUMBER OF SCREEN DECKS	2
ELECTRICAL POWER	8 kW

#### OVER BELT MAGNET

WIDTH CONVEYOR BELT	650 mm (2'1.6")
LENGTH CONVEYOR BELT	1660 mm (5'5.4")
ELECTRICAL POWER	1.5 kW

#### HYDRAULIC CRAWLER TRACKS

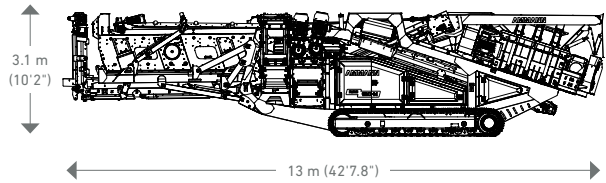
AXIS DISTANCE	3620 mm (11'10.5")
CHAIN WIDTH	400 mm (15.8")
GEAR	Trasmital
SPEED	0.2–0.8 km/h (0.12–0.5 mph)

#### STANDARD EQUIPMENT

- Radio remote control for all drives and tools
- Multifunction control for easy operation and troubleshooting
- GPS
- Telemetry (local SIM card)

#### TRANSPORT CONDITIONS

Width 2.55 m (8'4.4") | Height 3.1 m (10'2") | Length 13 m (42'7.8")



#### GENERATOR SET

ELECTRIC POWER DIESEL PACK, IVECO C87 256 kW, GENERATOR 400 kVA

ENGINE TYPE	FPT Cursor 87 TE3F 256 kW 1500 rpm
EMISSION CLASS AND CATEGORY	Stage III A/ Tier 3 (Genset 1500 rpm)
DIESEL PARTICULATE FILTER DPF	optionally available
TANK CAPACITY	
HYDRAULIC OIL TANK	85 l (22 U.S. gal)
DIESEL FUEL TANK	220 l (58 U.S. gal)

#### PRIMARY SHREDDER

SHREDDER TYPE	FTR 1200
CRUSHER INLET	1200 × 900 mm (3'11.2" × 2'11.4")
NUMBER OF KNIVES	n° 24
WIDTH OF KNIVES	50 mm (1.9")
ELECTRICAL POWER	60 kW (30 + 30)
ROTATION SPEED	10 rpm
HYDRAULIC PUSHERS	5
PRIMARY CRUSHING PRE-BREAKER BAR	hydraulically adjustable

#### SECONDARY SHREDDER

CRUSHER INLET	1200 × 700 mm (3'11.2" × 2'3.6")
ARMOR PLATES	n° 32 (16 + 16)
TEETH HEIGHT	15 mm (0.6")
ELECTRICAL POWER	44 kW (22 + 22)
ROTATION SPEED	20 rpm

#### OPTIONAL EQUIPMENT

- Water spraying system for dust suppression
- Scales for fine and medium grain belt
- Pump for re-filling fuel tank
- Paint customized 2 colors
- Feed hopper extensions (High)
- Feed hopper extensions (Low)
- Customer color design