



Machines

Asphalt Pavers

Hydrostatic Sensor Pavers
Mechanical Pavers

Productivity Partnership for a Lifetime

Ammann Apollo India Private Limited –
a member of Ammann Group

Apollo has been the market leader for asphalt mixing plants and asphalt pavers in India for more than 30 years. A total of 500+ employees at three plants in the Gujarat province produce plant and machinery for Apollo's main market India and other emerging markets. Additionally, Apollo also has a broad network of sales and service points throughout India.



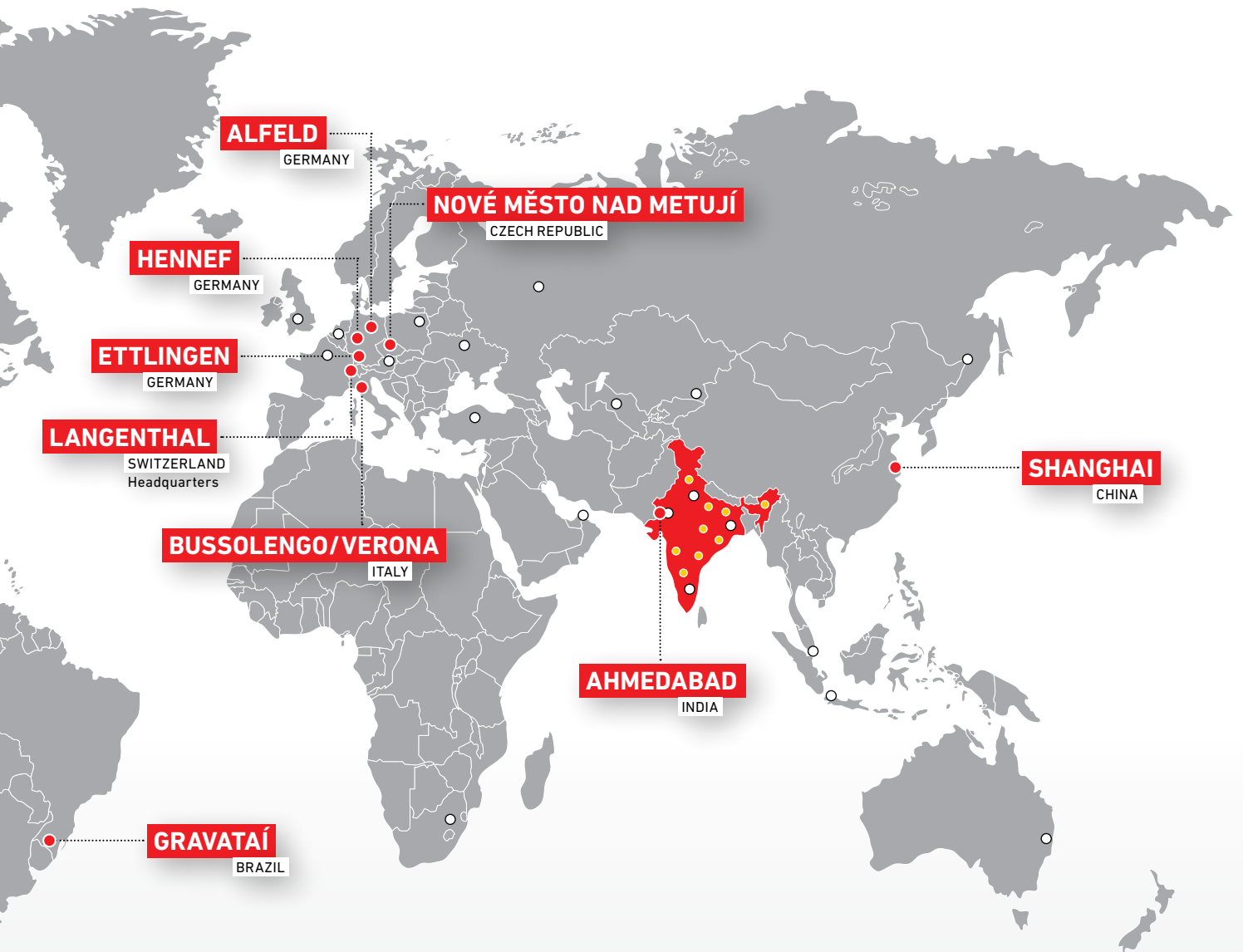
AMMANN
Apollo



AMMANN

Joint Venture Ammann Apollo

With the joint venture with Apollo, Ammann is expanding its market position in the field of asphalt mixing plants, asphalt pavers and compaction machines in India and its neighbouring markets. The joint enterprise is responsible for the sale of the Ammann product range in the region whilst the Ammann Group continues to operate on a global basis. The partnership with Apollo therefore represents a significant contribution towards strengthening Ammann's global market position.



AN INNOVATIVE FAMILY FIRM

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. We are aware that plants and machines that prove their merits day after day under tough operating conditions are the only way to give our customers the critical, competitive edge they need. As you would expect, we provide a well-developed service network and reliable supply of spare parts, together with support throughout the lifetimes of the plants and machines that we offer.

Hydrostatic Sensor Paver Finishers

For Asphalt and Wet Mix Paving

Apollo offers 4 models of Hydrostatic Sensor Pavers for paving widths ranging from 5.5 m to 9 m. The pavers are manufactured in modern manufacturing facilities located in Khatrej near Ahmedabad and Ditasan near Mehsana in the state of Gujarat, India.

Proven Technology

Over 2000 machines are in operation in India and abroad and 12–15 units are delivered each month. This is manifestation of a high level of customer acceptance of the proven technology of Apollo Hydrostatic Sensor Pavers.

Long Life

The sturdy constructions using quality components mean years of trouble free performance even under adverse conditions. The product life cycle cost is the lowest in Industry.

Hydrostatic Drive

The pavers have variable displacement motor and pump for infinitely variable paving and travel speeds. No mechanical shifting either in the paving or travel mode – effortless selection through finger-tip control.

Prompt After Sale Service

A team of trained service personnel at factory/regional/branch/dealer locations provide prompt after sale service. This is supported by a high service level on the spare parts front, thereby ensuring high up time.

Accurate Grade and Slope control

The latest European technology electronic grade and slope control sensing device offers accuracy levels meeting international standards.

Screed options

Various screens are available throughout the line of AP Pavers, assuring the best possible paving result for each machine.







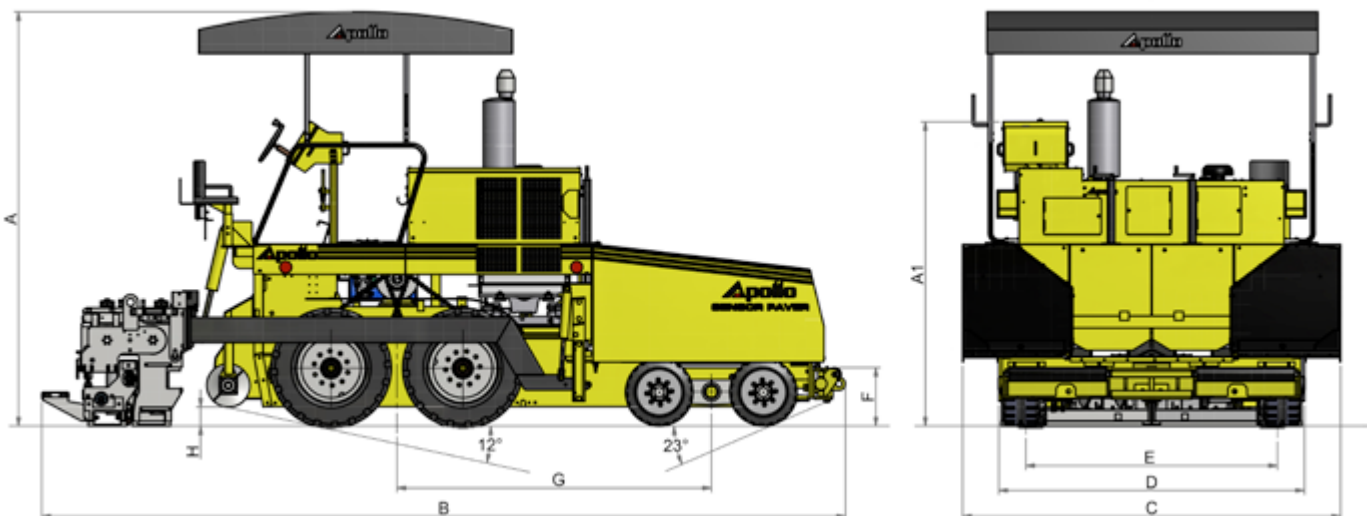
AP 550 Hydrostatic Sensor Paver Finisher

TV 4500 Screed

AP 550 has a basic screed width of 2.5 metres hydraulically extendable to 4.5 metres. Bolt on mechanical extensions of 500 mm each on either side of the screed offer a paving width of 5.5 metres. The tamping and vibration arrangement is in line with Ministry of Road Transport & Highways (MORT & H), Govt. of India and accepted international specifications. Uniform screed heating across the screed width is with diesel burners. LPG heating is offered as an optional extra.

Hydrostatic Controls

Conveyor and augur drive is through variable displacement hydraulic pump and fixed motor for material feed. Proportional hydraulic feeding system for step-less feeding control is an optional extra. The steering and transmission are hydraulically controlled



AP 550 basic details

- A Operation height with tiltable 3438 mm
- A1 Height without canopy 2525 mm
- B Length 6616 mm
- C Operating width 3140 mm
- D Shipping width 2540 mm
- E Tread width center 2089 mm
- F Truck dumping clearance 484 mm
- G Wheel base 2612 mm
- H Auger lowest position above the ground 157 mm



Hydrostatic Sensor Paver Finisher AP 600 on Wet Mix Paving.



Hydrostatic Sensor Paver Finisher AP 600 on Asphalt Paving.

AP 600 Hydrostatic Sensor Paver Finisher

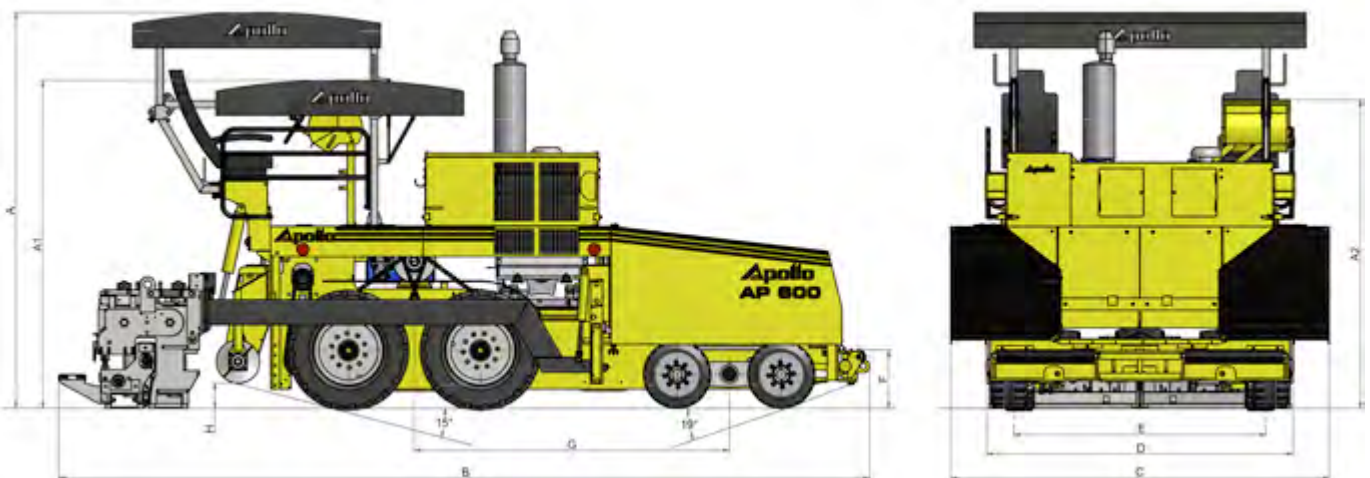
TV 4900 Screed

AP 600 is offered with TV 4900 screed with a basic width of 2.5 metres hydraulically extendable to 4.9 metres. Bolt on mechanical extensions of 850/1050 mm each on either side of the screed offer a paving width of 6.5/7 metres. The tamping and vibration arrangement is in line with Ministry of Road Transport & Highways (MORT & H), Govt. of India and accepted international specifications. Uniform screed heating across the screed width is with LPG heating.

AP 600 is also offered with TV 4500 screed with a basic width of 2.5 metres hydraulically extendable upto 4.5 metres. Bolt on mechanical extensions of 2×650mm & 2×750 mm offer paving width of 6/7 metres. TV 4500 screed has diesel heating.

Hydrostatic Controls

- Independent Drives for conveyor and augurs
- 2 Nos of on – off type controls for feed
- 2 Nos of proportional controls for augur
- The steering and transmission are hydraulically controlled



AP 600 basic details

- A Operation height with tiltable 3279 mm
- A1 Shipping height with tilt canopy 2719 mm
- A2 Height without canop 2556 mm
- B Length 6727 mm
- C Operating width 3140 mm
- D Shipping width 2540 mm
- E Tread width center 2089 mm
- F Truck dumping clearance 484 mm
- G Wheel base 2612 mm
- H Auger lowest position above the ground 107 mm

AP 800

Hydrostatic Sensor Paver Finisher

Hydrostatic screed

AP 800 is offered with TV 4900 hydrostatic screed

- Basic screed width of 2.5 metres.
- Hydraulically extendable to 4.90 metres.
- Mechanical extensions offered to facilitate paving width up to 7 metres.
- The tamping and vibration arrangement is in line with Ministry of Road Transport & Highways (MORT & H), Govt. of India and accepted international specifications

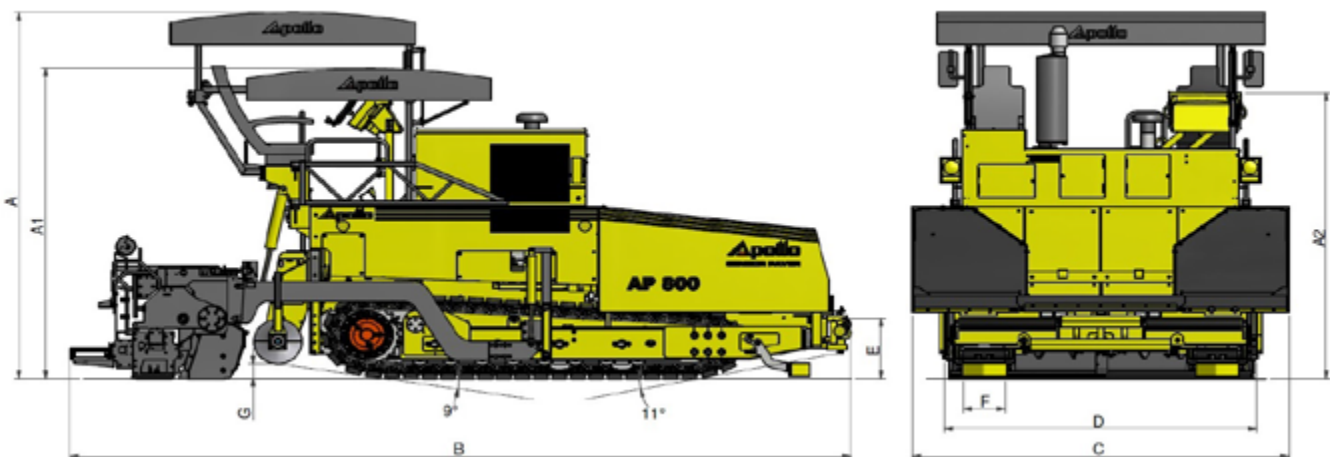
Hydrostatic Controls

- Variable displacement pump with servo control – one each for individual track drive.
- 2 units of variable displacement pump with servo control for independent feeder drive.
- Fixed displacement pump for vibrator / tamper circuit with flow control valves for frequency adjustment.
- Centralized pressure line filters for long life and less frequent replacements
- Remote controlled solenoid with function check LED to assist system diagnosis
- The steering and transmission are hydraulically controlled.



Benefits at a glance

- Independent drive for conveyor & auger for better operation, longer life & less maintenance.
- Independent direct Hydraulic transmission drive in each track.
- MOBA Dashboard for ease of operation & precision.
- MOBA sonic controller for auger & conveyor.
- Long Life heavy Duty alloy steel Slat Conveyor.
- Larger Hopper Capacity of 10 Tons.
- 350mm(14") wide Track Pads for Higher Life, Better Stability & Wide Paving.
- 3 Point Suspension track for smooth riding.
- Cam lock, swinging type operating console for a quick changing over from LH to RH & vice Versa.
- Sliding height adjustment for augur drive.
- Swinging console.
- Hardox material for screed plate & pan plate for low wear.
- Lifting arrangements for bolt on extensions.
- Forward/Reverse system arrangement for conveyor & augur.
- Tiltable canopy for easy transportation.



AP 800 basic details

- **A** Operation height with tiltable 3350 mm
- **A1** Shipping height with tilt canopy 2840 mm
- **A2** Height without canop 2620 mm
- **B** Length 6560 mm
- **C** Operating width 3160 mm
- **D** Shipping width 2620 mm
- **E** Truck dumping clearance 550 mm
- **F** Track shoe width 350 mm
- **G** Auger lowest position above the ground 136 mm

AP 1000

Hydrostatic Sensor Paver Finisher

AP 1000 is offered with 2 screed variants

Hydrostatic Screed

Has a basic screed width of 3 metres hydraulically extendable to 5.56 metres. Bolt on mechanical extensions offered on either side of the screed to facilitate paving width of 9 metres. The tamping and vibration arrangement is in line with Ministry of Road Transport & Highways (MORT & H), Govt. of India and accepted international specifications.

Fixed Screed

Extendable up to 9 metres. Uniform screed heating across the screed width is with LPG heating.

Hydrostatic Controls

- Variable displacement pump with servo control – one each for individual track drive.
- 2 units of variable displacement pump with servo control for independent feeder drive.
- Fixed displacement pump for vibrator/tamper circuit with flow control valves for frequency adjustment.
- Centralized pressure line filters for long life and less frequent replacements
- Remote controlled solenoid with function check LED to assist system diagnosis
- The steering and transmission are hydraulically controlled.

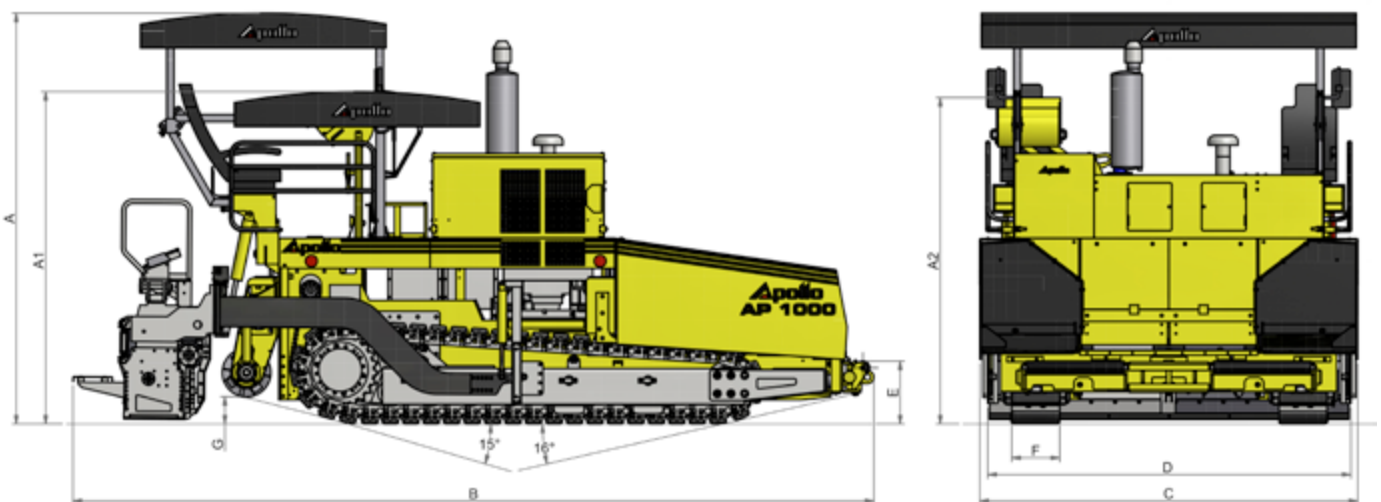


Benefits at a glance

- Independent drive for conveyor and auger for better operation, longer life and less maintenance.
- Independent direct hydraulic transmission drive in each track.
- Long life heavy duty alloy steel slat conveyor.
- Larger hopper capacity of 5,5 Cu.m.
- 457 mm Wide Track Pads for higher life and wide paving.
- 3 Points suspension track for smooth riding.
- Cam lock, swinging type operating console for a quick changing over from LH to RH and vice versa.

Tracks

The crawler mounted track has three points suspension for smooth driving. The 457 mm wide replaceable track pad against the normal 352 mm wide pad, provides higher traction force and life span.



AP 1000 basic details

- | | | |
|---|-----------------------------|---|
| • A Operation height with tiltable canopy 3428 mm | • B Length 6695.5 mm | • E Truck dumping clearance 525 mm |
| • A1 Shipping height with tilt canopy 2773 mm | • C Operating width 3159 mm | • F Track shoe width 457 mm |
| • A2 Height without canopy 2722.5 mm | • D Shipping width 3036 mm | • G Auger lowest position above the ground 126.5 mm |

Technical Specifications

AP 550 & AP 600



TRACTOR				
Model	AP 550		AP 600	
Operating Height	3.43 m		3.28 m	
Shipping Height	2.52 m		2.72 m	
Height w/o Canopy	2.52 m		2.55 m	
Length	6.61 m		6.73 m	
Operating Width	3.14 m		3.14 m	
Shipping Width	2.54 m		2.54 m	
Tread Width	2.08 m		2.08 m	
Truck Dumping Clearance	0.48 m		0.48 m	
Wheel Base	2.61 m		2.61 m	
Frame Plate Thickness	16 mm		16 mm	
PRIME MOVER				
Engine Make	Kirloskar*	Ashok Leyland*	Kirloskar*	Ashok Leyland*
Model No.	6R1080TA1	H6ETIC3RU23	6R1080TA1	H6ETIC3RU23
Engine Power	92 kW @ 2300 rpm	99 kW @ 2300 rpm	92 kW @ 2300 rpm	99 kW @ 2300 rpm
Electrical system	12 VDC		12 VDC	
Type of Cooling	Water cooled		Water cooled	
WHEELS				
Tyre Front Solid	4 nos./22 x 16 x 12		4 nos./22 x 16 x 12	
Tyre Rear Pneumatic	4 nos./10.00 x 20		4 nos./10.00 x 20	
TRACKS				
Track rail	-		-	
Suspension	-		-	
Track Shoe Width	-		-	
Track Shoe	-		-	
Track Roller	-		-	
Track Drive system	-		-	
CAPACITY				
Fuel Tank Capacity	132 Ltr.		132 Ltr.	
Hydraulic Tank Capacity	190 Ltr.		190 Ltr.	
PERFORMANCE				
Weight	14840 kg		17300 kg (with TV 4900)	
Turning radius inner	5.5 m		6.5 m	
Laying Capacity	300 TPH		500 TPH	
Paving Thickness	10-300 mm		10-300 mm	
Paving Speed	0-40 m/min		0-40 m/min	
Travel Speed (Second)	0-15 Km/hr		0-15 Km/hr	
Hopper Capacity (approx.)	10 t		11 t	

Technical Specifications AP 800 & AP 1000



	AP 800	AP 1000
	3.35 m	3.43 m
	2.84 m	2.73 m
	2.62 m	2.72 m
	6.56 m	6.69 m
	3.16 m	3.16 m
	2.62 m	3.04 m
	–	–
	0.55 m	0.57 m
	–	–
	16 mm	16 mm plate thickness
	Kirloskar or equivalent*	Kirloskar or equivalent*
	124.3 kW @ 2300rpm	124.3 kW @ 2300rpm
	12 VDC	12 VDC
	Water cooled	Water cooled
	–	–
	–	–
	D3	D4
	Three point	Three point
	350 mm (14")	457 mm (18")
	Bolt on type	Bolt on type
	Single and double flange type	Single and double flange type
	Direct	Direct w/o Chain
	132 Ltr.	172 Ltr.
	210 Ltr.	210 Ltr.
	18750 kg	22800 kg
	3.0 m	3.0 m
	600 TPH	700 TPH
	10–305 mm	10–305 mm
	0–40 m/min	0–41 m/min
	0–6 Km/hr	0–7.5 Km/hr
	10 t	11 t

Technical Specifications

AP 550 & AP 600



FEEDERS			
Auger	Highly wear resisting steel casting dia. 355 mm 20 mm thickness	Highly wear resisting steel casting dia. 355 mm 20 mm thickness	
Feed tunnel Width	590 mm	620 mm	
Conveyor floor plate	Wear resisting steel 12 mm	Wear resisting steel 12 mm	
Feed control system	2 Nos. On/Off Type	2 nos. Sonic On/Off Type	
Auger Control system	2 Nos. On/Off Type	2 nos. Sonic Proportional ype	
Auger lowest position from ground	150 mm	110 mm	
Auger Height Adjustment		101.6 mm	
Auger and Conveyor drive	Synchronised	Independent	
SCREED	TV 4500	TV 4900 (option-1)	TV 4500 (option-2)
Screed Basic Width	2.50 m	2.55 m	2.50 m
Infinite Variable Extension	2.50 m to 4.50 m	2.55 m to 4.90 m	2.50 m to 4.50 m
With Bolt On Extension Max	5.75 m	6.5 m / 7 m	6.00 m
Screed weight main	2890 kg	3220 kg	2890 kg
Bolt on extension weight	210 kg (625 mm)	330 kg (800 mm) 380 kg (1050 mm)	230 kg (750 mm)
Crown	-1 to +4.5 %	-2.5 to +4.5 %	-1 to +4.5 %
Gradient Slope	10 % Gradient Slope	10% Gradient Slope	10 % Gradient Slope
Screed Vibration	30-50Hz	25-54Hz	30-50Hz
Tamping	18-27 Hz (5 mm)	12-29Hz (5 mm)	18-27Hz (5 mm)
Screed Plate	320 mm x 12 mm Wear Resistant	350 mm x 15 mm Wear Resistant	320 mm x 12 mm Wear Resistant
Screed Heaters	4 nos. Diesel (Propane optional)	10 nos. Propane	4 nos. Diesel
Foot rest		Foldable	Fixed
CONTROLS			
Operating Station	Dual Station	Dual Station	
Brake	Kaliper Disc Brake	Kaliper Disc Brake	
SENSOR DEVICE			
Grade and slope control	Moba Controls	Moba Controls	
Grade control			
Power output	On/Off Type	On/Off Type	
Grade control measuring range	(±) 70 mm	(±) 70 mm	
Obtainable accuracy for grade	(±) 1 mm	(±) 1 mm	
Slope control measuring range	(±) 10 %	(±) 10 %	
Obtainable accuracy for slope	(±) 0.05 %	(±) 0.05 %	
Enclosure protection	IP54	IP54	
Safety devices	In built pressure relief valves	in built pressure relief valves	
Make/type of Pumps and Motors	Sauer Danfoss or equivalent	Sauer Danfoss or equivalent	

* Suitable engine for specific export market may be offered Maximum Performances can not be obtained simultaneously.
With Ammann Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice.
Accessories shown are optional and are not part of the standard supply.

Technical Specifications AP 800 & AP 1000



	Highly wear resisting steel casting dia. 407mm 20mm thickness	Highly wear resisting steel casting dia. 407mm 22mm thickness		
	600 mm	762 mm		
	Wear resisting steel 12 mm	Wear resisting steel 12 mm		
	2 nos. Sonic On-Off type MOBA make	2 nos. On-Off type		
	2 nos. Sonic Proportional type MOBA make	2 nos. Proportional type		
	136 mm	130 mm		
	101.6 mm	101.6 mm		
	Independent	Independent		
	TV 4900	F2TV 3000	TV 5500	TV 5900
	2.55 m	3.00 m	3.00 m	3.00 m
	2.55 m to 4.90 m		3.00 m to 5.56 m	3.00 m to 6.00 m
	6.5 m/7 m	9.00 m	9.00 m	10.00 m
	3220 kg	2640 kg (main) 6390 kg (9 m)	4040 kg	4570 kg
	330 kg (800 mm) 380 kg (1050 mm)	800 kg (1500 mm x 2) 595 kg (1000mm x 2) 240 kg (500 mm x 2) 120 kg (250 mm x 4)		
	-2.5 to +4.5 %	-1 to +4.5 %	-1 to +4.5 %	-1 to +4.5 %
	10 % Gradient Slope	10 % Gradient Slope	10 % Gradient Slope	10 % Gradient Slope
	25-54 Hz	0-30 Hz	30-50 Hz	46-40 Hz
	12-29 Hz (4mm)	0-10 Hz x 2 (12/9) (4 mm)	18-27 Hz (4)	18-39 Hz (5)
	350 mm x 15 mm Wear Resistant	500 mm x 15 mm Wear Resistant	400 mm x 12 mm Wear Resistant	400 mm x 15 mm Wear Resistant
	10 nos. Propane	18 nos. Propane	8 nos. Propane/Diesel Optional	8 nos. Propane/Diesel Optional
	Foldable			
	Dual Station	Dual Station(Swing Type)		
	Negative hydraulic	Negative Multidisc		
	Moba Controls	Moba Controls		
	Ultrasonic type			
	On/Off Type	On/Off Type		
	(±) 70 mm	(±) 70 mm		
	(±) 1 mm	(±) 1 mm		
	(±) 10 %	(±) 10 %		
	(±) 0.05 %	(±) 0.05 %		
	IP54	IP54		
	in built pressure relief valves	In built pressure relief valves		
	Sauer Danfoss or equivalent	Sauer Danfoss or equivalent		





WM 6 HES / RM 6 HES Mechanical Pavers

For Asphalt and Wet Mix paving

Mechanical Paver Finishers

Ammann Apollo offers two variants in the mechanical paver finishers

- **WM 6 HES – for use in Wet Mix & Asphalt Paving**
- **RM 6 HES – for use in Asphalt Paving**

Over 7000 pavers are in operation in India and abroad and 48–50 units are delivered each month – manifestation of the customer confidence on the proven technology of WM6 HES & RM6 HES.

Apollo wheel mounted mechanical paver finisher is the choice of road construction companies in India for over 30 years. Proven technology, sturdy construction and ease of operation make Apollo pavers the first choice for the customers. Supplied with standard truck tyres Apollo pavers ensure long years of trouble free performance.

The hopper operations, screed lifting and vibrating/tamping arrangement are hydraulically controlled.

Long Life:

The sturdy construction using quality components leads to long years of trouble-free performance, even in adverse conditions.

Value for Money:

Latest technology at competitive prices is our hallmark

Prompt After Sales Service:

High service levels on the spares front from the Works and Regional Offices combined with prompt response to service calls mean high up time of the equipment around the year.



"Over 7000 units in operation."





"Over 4500 units in operation."

Mechanical Paver Finisher WM 6 HES.

RM 6 HES

RM 6 HES comes with a basic screed of 2.5 Meters which can be extended up to 4.5 metres Meters. The screed extension is done hydraulically. Combination Screed / Vibrating Screed or Tamping Screed are the options for customer to choose from. RM6 HES is for Asphalt Paving.

WM 6 HES

WM 6 HES comes with a basic screed of 2.5 Meters which can be extended up to 4.5 Meters. The screed extension is done hydraulically. Combination Screed / Vibrating Screed or Tamping Screed are the options for customer to choose from. WM6 HES is for paving both Asphalt & Wet Mix Macadam(WMM).



Large diameter augur.



Hydraulically extendable screed.



Mechanical Paver Finisher RM 6 HES.



Technical Specifications

	WM 6 HES	RM 6 HES
Operating height	3050 mm	3050 mm
Shipping height	2430 mm	2230 mm
Length	5800 mm	5800 mm
Operating width	3120 mm	3120 mm
Shipping width	2700 mm	2700 mm
Weight (approx.)	10 tons	9.5 tons
Truck dumping clearance	600 mm	600 mm
Wheel base	2500 mm	2500 mm
Engine make	Leyland BS III model ALHT4CTIC3/ Kirloskar BS III model R1040TA3 or equivalent	Kirloskar BS III model 4R1040TC or equivalent
Engine output	105 HP @ 2200 rpm	76 HP @ 2200 rpm
Battery	12 Volts (heavy duty)	12 Volts (heavy duty)
Tyres: Front 2 nos. – solid rubber	558 × 405 × 305 mm	558 × 405 × 305 mm
Tyres: Rear 2 nos. – pneumatic	12 × 20–18 ply	12 × 20–18 ply
Paving thickness	10–200 mm	10–200 mm
Paving speed	1.25–23 meters	1.25–23 meters
Paving width	2.5 to 4.5 meters (hydraulically extendable screed)	2.5 to 4.5 meters (hydraulically extendable screed)
Travel speed	0–16 KMPH	0–16 KMPH
Steering	Power steering	Power steering
Hopper capacity (approx.)	4 cubic meters	4 cubic meters
Fuel tank capacity	120 litres	120 litres
Hydraulic oil tank capacity	80 litres	80 litres
Screed heating	2 nos. oil burner	2 nos. oil burner
Auger diameter	300 mm	300 mm
Screed vibration	0–30 Hz	0–30 Hz
Crown	– 1 to + 3	– 1 to + 3
Standard accessories	Tool box	Tool box

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