



# ASPHALT PAVERS

HYDROSTATIC SENSOR PAVERS  
MECHANICAL PAVERS



# 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 known for their durability, simple operation and low cost of ownership during the complete lifespan.



### **AP 550**

Weight: 14 840 kg  
Engine power: 92/99 kw  
Screed basic width: 2500 mm  
With bolt on extension max.: 5750 mm



### **AP 600**

Weight: 17 300 kg  
Engine power: 92/99 kw  
Screed basic width: 2500–2550 mm  
With bolt on extension max.: 6000–7000 mm



### **AP 800**

Weight: 18 750 kg  
Engine power: 124.3 kW  
Screed basic width: 2550 mm  
With bolt on extension max.: 7000 mm



### **AP 1000**

Weight: 22 800 kg  
Engine power: 124.3 kW  
Screed basic width: 3000–6000 mm  
With bolt on extension max.: 9000–10000 mm





## 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.

## 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.

## ACCURATE GRADE AND SLOPE CONTROL

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

## 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.

## 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.

## SCREED OPTIONS

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

# AP 550

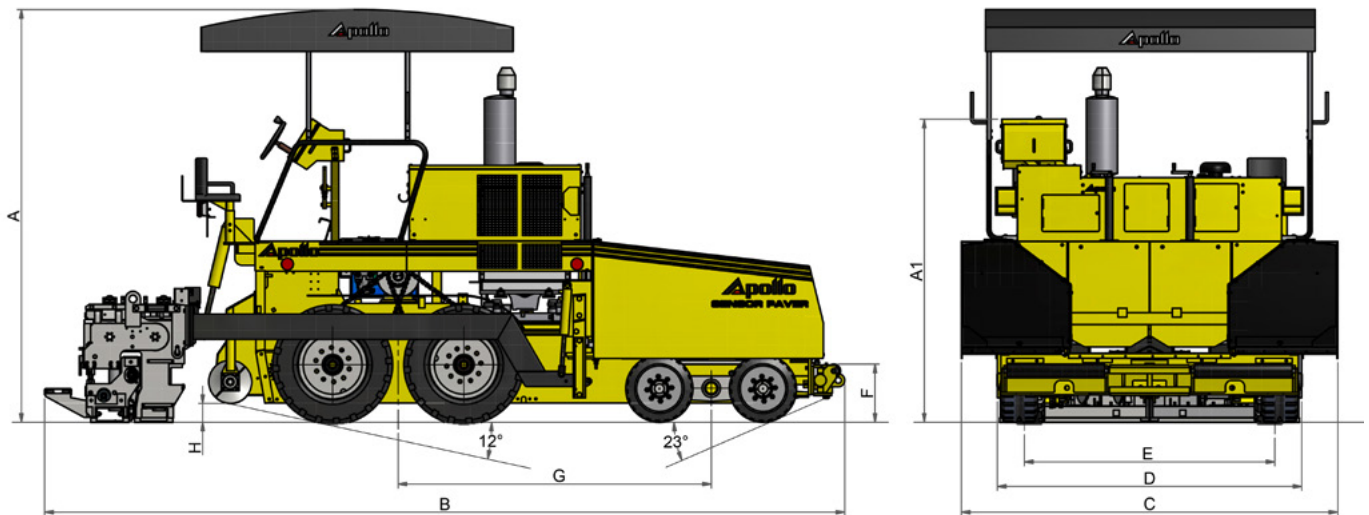
## HYDROSTATIC SENSOR PAVER FINISHER

### 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 auger 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.



### DIMENSIONS

<b>A</b>	<b>Operating height</b>	3430 mm
<b>A1</b>	<b>Shipping height</b>	2520 mm
<b>A1</b>	<b>Height w/o canopy</b>	2520 mm
<b>B</b>	<b>Length</b>	6610 mm
<b>C</b>	<b>Operating width</b>	3140 mm
<b>D</b>	<b>Shipping width</b>	2540 mm
<b>E</b>	<b>Tread width</b>	2080 mm
<b>F</b>	<b>Truck dumping clearance</b>	485 mm
<b>G</b>	<b>Wheel base</b>	2610 mm



OVER 1600 UNITS IN OPERATION.



# AP 600

## HYDROSTATIC SENSOR PAVER FINISHER

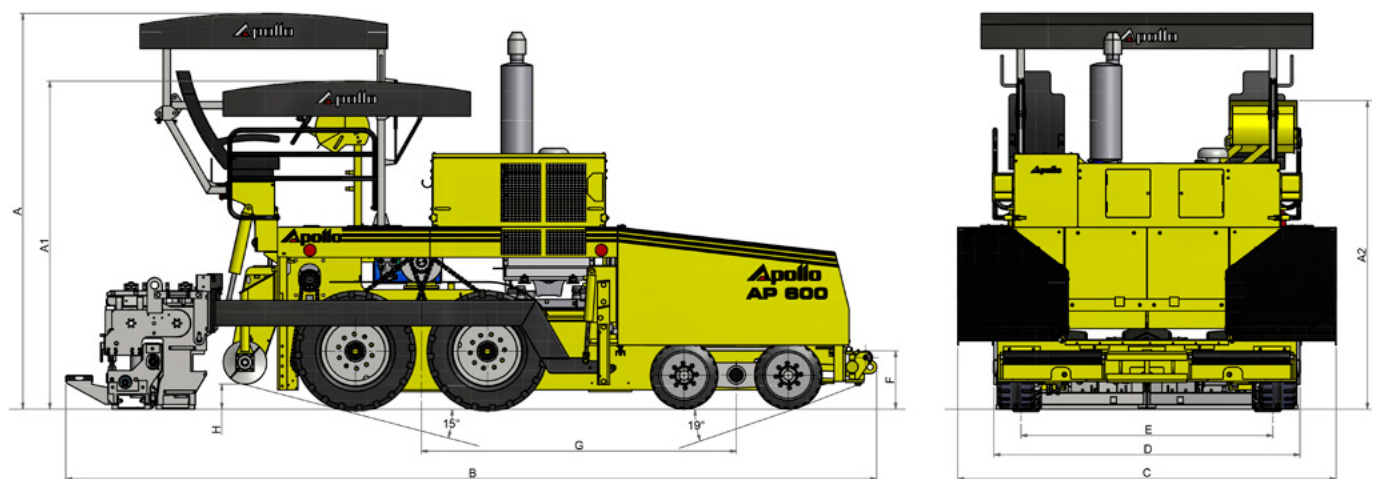
### TV 4900 SCREED

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 × 650 mm & 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 proportional controls for augur
- 2 Nos of on – off type controls for feed.
- The steering and transmission are hydraulically controlled



### DIMENSIONS

<b>A</b>	<b>Operating height</b>	3280 mm
<b>A1</b>	<b>Shipping height</b>	2720 mm
<b>A2</b>	<b>Height w/o canopy</b>	2550 mm
<b>B</b>	<b>Length</b>	6730 mm
<b>C</b>	<b>Operating width</b>	3140 mm
<b>D</b>	<b>Shipping width</b>	2540 mm
<b>E</b>	<b>Tread width</b>	2080 mm
<b>F</b>	<b>Truck dumping clearance</b>	485 mm
<b>G</b>	<b>Wheel base</b>	2610 mm





AP 600 ON WET MIX PAVING.



AP 600 ON ASPHALT PAVING.

**OVER 160 UNITS IN OPERATION.**



# AP 800

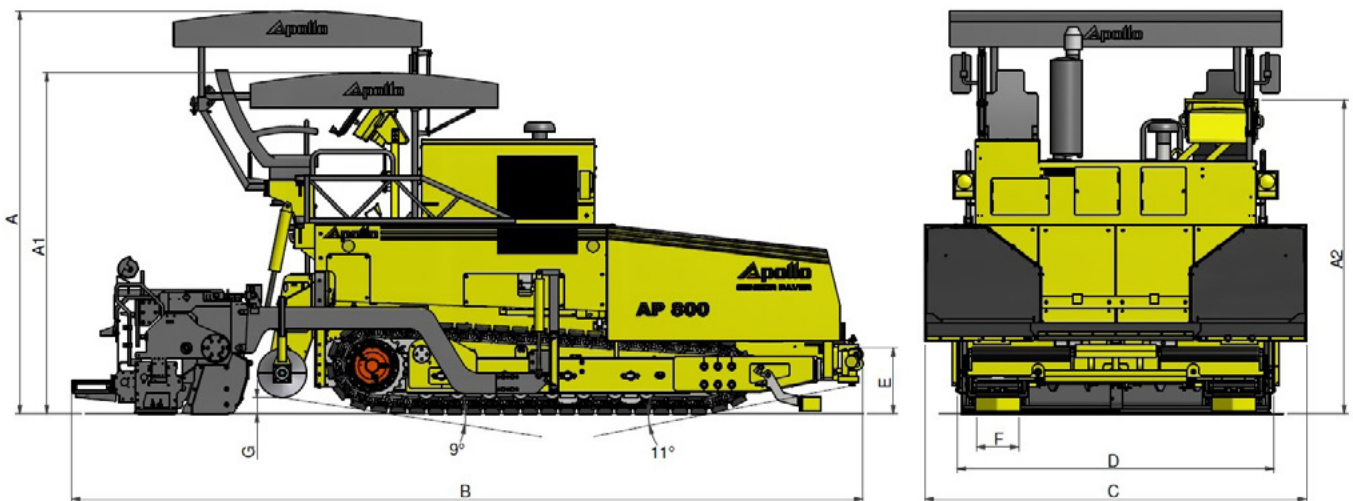
## HYDROSTATIC SENSOR PAVER FINISHER

### HYDROSTATIC SCREED TV 4900

- 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 control.



### DIMENSIONS

<b>A</b>	<b>Operating height</b>	3350 mm
<b>A1</b>	<b>Height with tiltable canopy</b>	2840 mm
<b>A2</b>	<b>Shipping height w/o canopy</b>	2620 mm
<b>B</b>	<b>Length</b>	6560 mm
<b>C</b>	<b>Operating width</b>	3160 mm
<b>D</b>	<b>Shipping width</b>	2620 mm
<b>E</b>	<b>Truck dumping clearance</b>	550 mm
<b>Frame plate thickness</b>		16 mm



## BENEFITS

- 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 auger 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.
- Tilttable canopy for easy transportation.

## NEW: MOBA DASHBOARD



# AP 1000

## HYDROSTATIC SENSOR PAVER FINISHER

### AP 1000 IS OFFERED WITH 2 SCREED VARIANTS

#### HYDROSTATIC SCREED

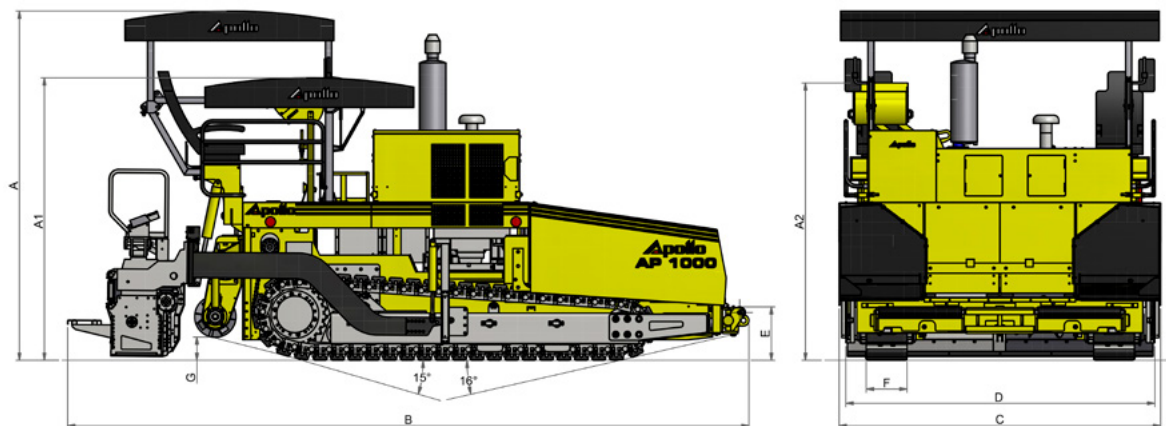
Has a basic screed width of 3 metres hydraulically extendable to 5.56 metres. Bolt on mechanical extensions offered on either side of the screed to facilitate paving width of 9 metres. The tamping and vibration arrangement is in line with Ministry of Road Transport & Highways (MORT & H), Govt. of India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



### DIMENSIONS

<b>A</b>	<b>Operating height</b>	3430 mm
<b>A1</b>	<b>Height with tiltable canopy</b>	2730 mm
<b>A2</b>	<b>Shipping height w/o canopy</b>	2720 mm
<b>B</b>	<b>Length</b>	6690 mm
<b>C</b>	<b>Operating width</b>	3160 mm
<b>E</b>	<b>Shipping width</b>	3040 mm
<b>G</b>	<b>Truck dumping clearance</b>	570 mm
<b>Frame plate thickness</b>		16 mm



## 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.

## BENEFITS

- Independent drive for conveyor and augur 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.



# TECHNICAL SPECIFICATIONS



MACHINE TYPE	AP 550		AP 600		
DIMENSIONS					
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	-		-		
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 × 16 × 12		4 nos./22 × 16 × 12		
Tyre Rear pneumatic	4 nos./10.00 × 20		4 nos./10.00 × 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	14 840 kg		17 300 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		

\* Suitable engine for specific export market may be offered.  
Maximum performances can not be obtained simultaneously.





**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
	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



MACHINE TYPE	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					
Screed type	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		7 m	6.00 m	
Screed weight main	2890 kg		3220 kg	2890 kg	
Bolt on extension weight	210 kg (625 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 × 12 mm Wear Resistant		350 mm × 12 mm Wear Resistant	320 mm × 12 mm Wear Resistant	
Screed heaters	4 nos. Diesel		6 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		

Maximum performances can not be obtained simultaneously.





**AP 800**



**AP 1000**

	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
	2.55 m	3.00 m
	2.55 m to 4.90 m	3.00 m to 5.56 m
	7 m	9.00 m
	3220 kg	2640 kg (main) 6390 kg (9 m)
	380 kg (1050 mm)	800 kg (1500 mm × 2) 595 kg (1000mm × 2) 240 kg (500 mm × 2) 120 kg (250 mm × 4)
	-2.5 to +4.5 %	- 1 to +4.5 %
	10 % Gradient Slope	10 % Gradient Slope
	25–54 Hz	0–30 Hz
	12–29 Hz (4mm)	0–10 Hz × 2 (12/9) (4 mm)
	350 mm × 12 mm Wear Resistant	500 mm × 15 mm Wear Resistant
	6 nos. Propane	18 nos. Propane
	Foldable	8 nos. Propane / Diesel Optional
	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	

# MECHANICAL PAVER FINISHERS

## FOR ASPHALT AND WET MIX PAVING

**Ammann Apollo offers two variants in the mechanical paver finishers. 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.



### **WM 6 HES**

Weight: 10000 kg  
Engine power: 105 HP  
Paving width: 2500–4500 mm



### **RM 6 HES**

Weight: 9500 kg  
Engine power: 76 HP  
Paving width: 2500–4500 mm





## 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 SALE 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  
PAVERS  
UNITS  
IN OPERATION**



# WM 6 HES RM 6 HES

## MECHANICAL PAVER FINISHER

### 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).



### 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.





# TECHNICAL SPECIFICATIONS



MACHINE TYPE	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

With 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.



LARGE DIAMETER AUGUR.



HYDRAULICALLY EXTENDABLE SCREED.

# AFTER SALES

## COVERING ALL NEEDS

**Contracted maintenance services and technician training provided by Ammann India help protect your investment, while operator training ensures your team is able to utilise all the features and benefits built into your machines.**

### PUT AMMANN INDIA EXPERTISE TO WORK

Ammann India offers a service that ensure all maintenance is current, making your machine more efficient and also protecting it from premature wear that can result from poor service practices. Well trained service experts from Ammann India are available to support with maintenance and repair work on your equipment, assuring you get the maximum out of your investment.

### VALUE AND AVAILABILITY

Ammann India parts provide the best value over the life of your product. The parts are built to last and have a longer life than low-cost products on the market. Ammann India parts also are a perfect fit for your machine, enabling other components to run more efficiently and last longer. Availability is another key Ammann India focus. The Ammann India logistics team recently overhauled stocking centres and processes to ensure the most essential parts are always nearby.

### READY WHEN YOU ARE

Ammann India experts are ready to assist you in emergency situations 24 hours a day, seven days a week. The help line team is highly trained and experienced. Representatives can talk you through the challenges. – in many different languages.





# TRAINING

## AMMANN INDIA ACADEMY

Over the years, road construction equipment manufacturers have provided the equipment to build and maintain the world's infrastructure. As technology changed, so did the equipment, increasing the ability of the user to perform more efficiently.

Developments in equipment technology have altered the job specifications and requirements. In order to stay up-to-date with these changes, Ammann India Academy (AIA) brings you the training courses for Fresh and Experienced youngsters. These programs will enhance the employment opportunities with certification by Infrastructure Equipment Skills Council (IESC).

(For more details, log on to [www.iescindia.com](http://www.iescindia.com)).

### BASIC TRAINING

This course helps to use the Employment Opportunity for Fresher and who are helpers to become Junior Operator by learning production sequence, processes and safety of Road Construction Equipment. Instructors also explain the Equipment's components and their functions as well as proper operation and basic maintenance and the control system for the Equipment.

### ADVANCED TRAINING

Operators who want to move beyond the basics and get promoted to the next level or get Employment opportunities as Senior Operator enroll in AIA Advanced training. This course provides detailed overviews of Road Construction Equipment operation Safety and parameter settings, maintenance and troubleshooting, also the importance of the control systems software integrated into the Equipment.











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