

Apollo[®]

Quality Construction Equipment



**HYDROSTATIC PAVER
FINISHER**
WITH SENSOR CONTROLS
Model AP 1000



★ Star Export House



Modern Manufacturing Facility at Khatraj
near Ahmedabad

PROVEN TECHNOLOGY

Apollo Model AP 1000 Hydrostatic Paver Finisher with Sensor Controls for paving width of up to 10 meters, is manufactured in India at the state of the art facility at Khatraj, near Ahmedabad.

Apollo is a pioneer in the field of Hydrostatic Paver Finisher with sensor controls in India. Over 1200 Apollo Pavers are in operation in India and abroad.

HYDROSTATIC PAVER FINISHER WITH SENSOR CONTROLS

Model AP 1000



HYDROSTATIC

- Variable displacement pumps with servo control - One each for individual track drive.
- Two units of variable displacement pumps with servo control for independent feeder drive.
- Fixed displacement pump for vibrator / tamper circuit with flow control valves for frequency adjustment.
- Centralised pressure line filters.
- Remote control solenoids with function check LED to assist system diagnosis.

SCREED

AP 1000 has a basic screed width of 3 meters which can be hydraulically extended to 5.56 meters. Bolt on mechanical extensions offered on either side of the screed facilitate paving width of 9.56 meters. The tamping and vibration arrangements are in line with MOSRT & H specifications. The screed plate heating system with LPG heating avoids sticking of bitumen to the screed surface at start-up.

ENGINE

AP 1000 is powered by Cummins, Kirloskar or equivalent engine which develops 169 HP at 2100 RPM.

TRACK

The crawler mounted track has a 3 point suspension for smooth driving. The 457 mm wide replaceable track pad as against the normal 352 mm wide pads, provide higher traction force to suit even paving of 10 meter width. In addition, the wide width track pads have a higher life span.

ACCURATE GRADE & SLOPE CONTROL

The state of the art imported electronic grade & slope control sensing device in AP 1000 gives accuracy levels in slope and grade meeting international standards.

LONG LIFE

The sturdy construction using quality components means long years of trouble-free performance even under adverse conditions.

PROMPT AFTER SALES SERVICE

Prompt after sales service is provided by a team of trained service personnel located at the Factory, Regional/Branch/Dealer Offices. The high service level on the spares front ensures high up time of AP 1000.

VALUE FOR MONEY

Latest technology at competitive prices is the hallmark of Apollo.



*Quality Construction
Equipment*



Advantage Apollo

- ✓ Independent drive for conveyor and auger for better operation, longer life and less maintenance
- ✓ Pressure line hydraulic oil filters mean increased life and less frequent replacements.
- ✓ Independent direct hydraulic transmission drive in each track instead of chain drive.
- ✓ Long life heavy duty alloy steel slat conveyor.
- ✓ Larger hopper capacity of 5.5 m³.
- ✓ 457 mm wide track pads for higher life span and wide paving width.
- ✓ 3 point suspension track for smooth riding.
- ✓ Cam lock, swinging type operating console for a quick change over from LH to RH and vice-versa.



TECHNICAL SPECIFICATIONS

Basic Details

Operating Height (with Canopy)	3.40 mtrs
Shipping Height - A	2.58 mtrs
Length - B	6.50 mtrs
Operating Width - C	3.20 mtrs
Shipping Width - D	3.05 mtrs
Truck Dumping Clearance - E	0.57 mtrs
Turning Radius	3.0 mtrs (Outward)
Brake	Negative multidisc
Weight	23,200 Kgs
Operating Control console	Swing type for LH/RH Operation
Bogie Wheel	Oscilating

Hopper

Capacity	5.5 m ³
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Track

Suspension	Three point
Track Shoe Width - F	457 mm
Track Rail Size	D4
Track Shoe	Bolt on type
Track Roller	Single and Double flange type
Track Drive	Direct w/o Chain

Engine

Make	Cummins 6 BTA 5.9* or Kirloskar 6R 1080T or Equivlent
Power	169 HP/126 kW @ 2100 rpm
Cooling	Water cooled

* Subject to availability
Maximum performance may not be obtained simultaneously.

Screed

Basic Width	3.00 mtrs
Infinite Variable Extension	3.00 to 5.56 mtrs
With Bolt On Extension (Max.)	9.56 mtrs
Screed weight with bolt on extension	5800 Kgs
Screed Plate	400 mm x 12 mm Wear Resistant
Screed Heating	LPG (Diesel optional)
Crown	- 1 to + 4.5 %
Gradient Slope	10%
Screed Vibration	30 - 50 Hz
Tamping (5 mm stroke)	18 - 27 Hz

Tank Capacities

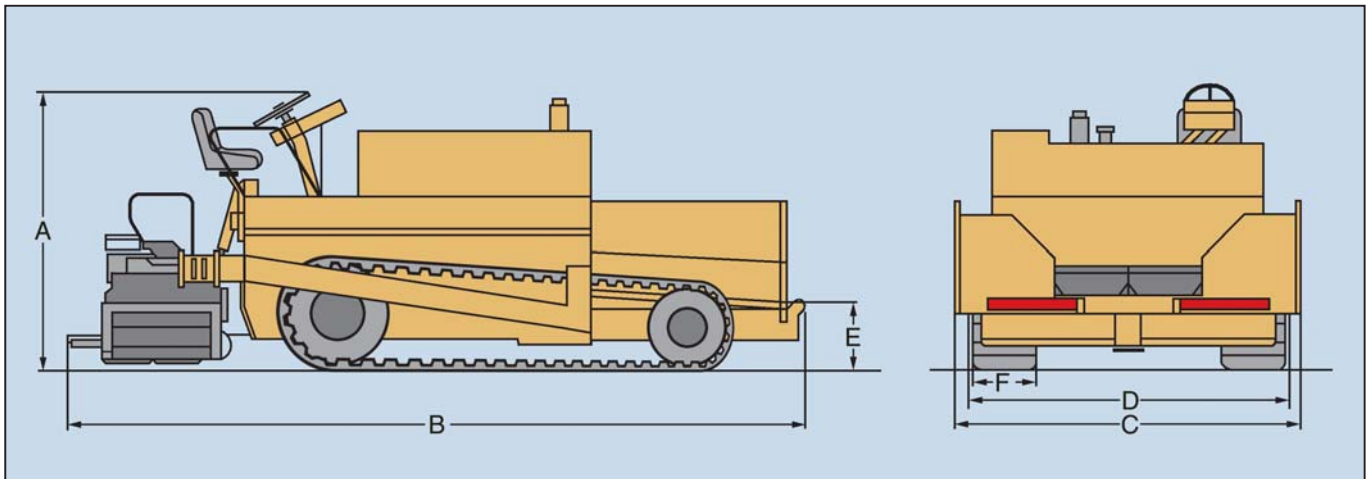
Fuel Tank	172 Ltrs
Hydraulic Oil Tank	210 Ltrs

Feeders

Auger	Highly Wear resisting steel casting of 407 mm dia & 22 mm thickness
Feed Tunnel Width	762 mm
Conveyor Floor Plate	Wear resisting steel of 12 mm thickness
Feed Control System	2 nos. On-Off type MOBA
Auger Control System	2 nos. Proportional type MOBA
Auger Height Adjustment	125 mm
Auger and Conveyor Drive	Independent

Performance

Laying Capacity	upto 700 tph
Paving Thickness	10 - 305 mm
Paving Speed	0 - 41 mtrs / min
Travel Speed	0 - 7.5 Km / hr



With Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice. Accessories shown are optional and not a part of standard supply.



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