

UWM-05

MECHANICAL PAVER



Key Features

Mechanical Transmission
Engine Power 76 hp @ 2200 rpm
Laying Capacity 150 TPH
Hopper Capacity 4.25 CM
Paving Width 2.5 m to 5.0 m
Weight 13,200 kg
Four Wheels on Rear Axle
Hydraulic Conveyor Drive
Double Operator Seat
Supports MOBA Sensor Device

Options Available

MOBA Germany make electronic sensor
Material Handling

- Bituminous Material Only
- Bituminous, Wet mix, GSB, DLC, DBM Material

APPROVED BY ARAI

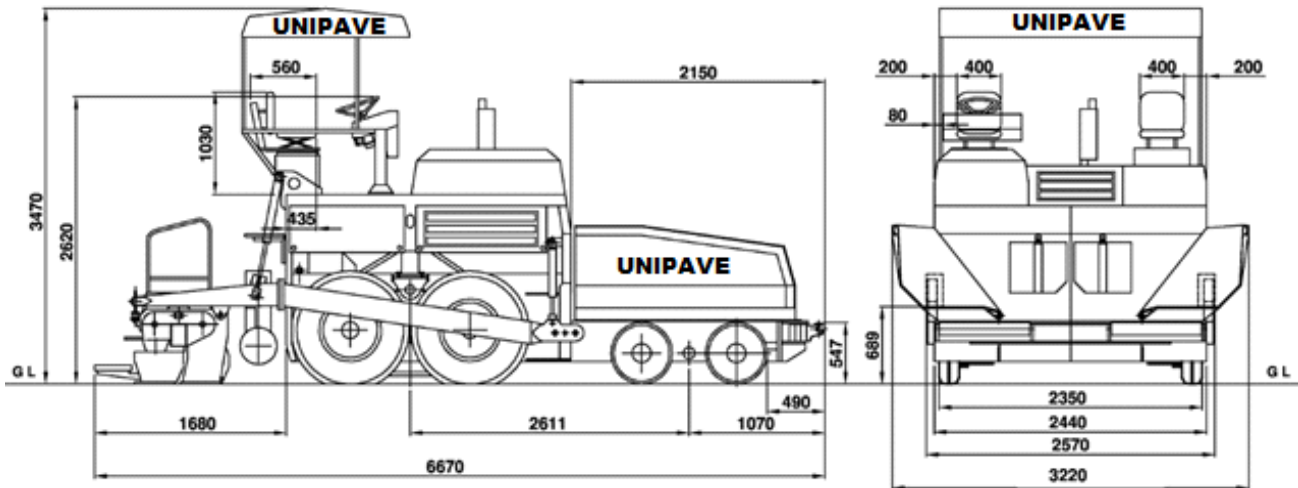
(Automotive Research Association of India)



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* All dimensions are in mm.

POWER UNIT

Engine	Kirloskar make water-cooled electric start diesel engine, Model 4R 1040 T, 76 hp (57 kW) @ 2200 rpm or equivalent
Electrical System	12 V DC
Emission Standard	BS-III
Speed Reduction Gearbox	Eight speed reduction gearbox

PERFORMANCE

Laying suitability	Option 1: Bituminous material Option 2: Bituminous, Wet mix, GSB, DLC, DBM material
Laying Capacity	150 TPH
Laying Thickness	200 mm (Max) to 10 mm (Min) 8" (Max) to 3/8" (Min)
Transmission	Mechanical
Working Speed	1.27 to 24 m/min (Max.)
Travelling Speed	16 km/hr (Max)
Weight	13,200 kg (29,101 lb) approx.
Slope & Grade Control	Manual mode Optional: MOBA Germany make electronic sensor
Maintenance Shutters	On one side of machine
Traction & Conveyor Pump - Motor	Sauer Danfoss, Germany or equivalent

SCREED

Screed width	2.5 m (8' 2 1/2") basic width, Hydraulically extendable up to 4.5 m (14' 9 1/8"), bolt on extension up to 5.0 m (16' 5")
Crown (Manual)	-1° / +4°
Screed Heating	Yes, with 8 LPG burner facility
Screed Vibration	Yes (Fix Speed)
Screed Tamping	No. Available on request.

UNDER CARRIAGE

Rear Wheel	Four no. Pneumatic Tyre Size: 10.00 x 20
Front Wheel	Four no. Solid Rubber Tyre 550 Dia. x 175 mm wide

REFILL CAPACITIES

Fuel	100 L
Hydraulic Oil	85 L
Cooling System	6.5 L
Engine Oil	14 L

OPERATOR STATION

Control Panel Type	Sliding
Operator Seat	Double
Travelling Function	Left & Right side
Operating Function	Left & Right side
Steering	Hydraulic
Brake	Caliper disc brake on both the sides

CONVEYOR & AUGER SYSTEM

Conveyor & Auger	2 Sets, one on each side
Drive	Hydraulic
Control	ON/OFF switch function
Auger Screw Size	Dia 350 mm
Auger Material	Ni-Hard Steel Material

HOPPER & FEEDING SYSTEM

Hopper Operation	Hydraulic
Hopper Capacity	4.25 m ³ (151 ft ³)
Hopper Width	Working: 3.220 m (10' 6 3/4") Closed: 2.440 m (8')
Feed Tunnel Width	1.268 m (4' 1 5/8")

DIMENSIONS

Operating Height	3.47 m (11' 4 5/8")
Shipping Height (canopy tilted)	2.90 m (9' 6 1/4")
(w/o canopy & exhaust)	2.68 m (8' 9 1/2")
Shipping Width	2.57 m (8' 5 1/4")
Length (Tractor unit + screed)	6.67 m (21' 10 1/2")
Wheel Base	2.61 m (8' 6 7/8")
Dump Height	0.70 m (2' 3 1/2")
Thrust Roller Height	0.54 m (1' 9 1/4")

MACHINERY ACCESSORIES

Canvas Canopy; Working & Traveling Lights; Tool Kit with Jack; Horn

OTHER FEATURES

Single Level control for speed gearing is provided which prevent dual engagement and breaking of gears; All operating levers including panel switch board are handy and within easy reach; All gears and shafts of gear box are made from alloy steel and are hardened and ground for efficient working; Screed is vibrated with hydraulic motor to compact laid layer; All jacks are having same kind of seal kit (Piston seal and rod seal of PU material).

(Note: Specification / description / dimensions are indicative and subject to change without notice due to modification alteration or custom engineering.)

* Maximum parameters may not be obtained simultaneously.

UNIPAVE
Engineering Products

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