

UNIPAVE Engineering Products.

Sureliya Estate, Vastral Road, Amraiwadi, Ahmedabad. 380026

Ph: +91 79 22870983/84/85 Fax: +91 79 22892784

E mail: sales@unipavers.com , Web site: www.unipavers.com



AUTOPAVES 09 **Detail Technical Specification**

Engine:

Autopaves 09 is powered with 6 cylinders Ashok Leyland Diesel Engine Model ALU 680 TC, cooling system-Water cooled, generating 174 hp at 2000 rpm. It is mounted on the front side of operator seat, beside hopper. It is well insulated in such a way that the hot air of the engine does not create hazard for the operator, as well it is well ventilated from bottom so that it may not get over heated. Inspection windows are provided on both the sides of engine to easy maintenance of the engine such as checking oil level, changing oil, oil filter, diesel filter, starter and alternator.

Traction Drive:

Two axial piston motors are provided for both the tracks for individual operation. They are driven by two separate variable displacement pumps, which are coupled with the engine by a power distribution gearbox. The

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speed and steering of track is controlled by simple rotary button provided on the operator panel.

The motor is coupled with a two-speed gearbox so as to achieve two different speeds for travel and working. Speed for working is infinitely variable from 0 to 30 meters/minute and for travel it is from 0 to 5.00 KMPH.

Hopper:

Two hydraulically operated folding type hoppers are provided on the front side of the machine. The capacity of the hopper is 13.0 T of bituminous mix material.

Conveyor:

Two Hydraulic motors are provided for individual control of two conveyors, which are provided for individual control of material on both the sides of machine. The speed of conveyor is infinitely variable from 0 to maximum. Displacement sensors provided on discharge end of the conveyor controls speed of the conveyor.

Auger:

Two Hydraulic motors are provided for individual control of augers provided on both sides of the machine. The speed of augers is infinitely variable from 0 to maximum. Displacement sensors provided at the end of auger controls speed of the augers. Alloy steel material of auger gives it long service life. Manual override button is provided on the screed for operating the auger to maximum speed at the time of laying the material.

Screed:

The screed provided with Autopaves 09 is suitable for paving width from 3 meters minimum to maximum up to 9 meters. The basic screed width is 3 meters and can be extendable up to 9 meters with one left and one right piece hydraulically extendable from 0.75 meter to 1.25 meter and rest with Mechanical Bolt on extension piece. Tamper and vibration is provided for complete length of screed. Tamper frequency is infinitely variable from 0 to 30 Hz. Vibration frequency is infinitely variable from 0 to 50 Hz.

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Two grade sensor and one slope sensor are provided with the machine to control the level of laid met. Operator can have option for using one grade with one slope sensor OR grade sensor on both the sides.

Sufficient numbers of Gas burners are provided on complete length of screed for even heating the screed plate.

While in auto mode, tamper, vibration and sensor gets ON only when the Paver is laying the material.

Control Panel:

All the functions to control the machine are provided on a single control panel, mounted within easy reach of the operator. Two seats are provided on either side of machine and control panel can be easily moved in front of both the seats. Extreme care has been taken for mounting the control panel so that the operator has maximum visibility.

Folding type canopy is provided which can be folded to decrease effective height of the machine at the time of shifting the machine on trailer.