



AP-800B

ASPHALT PAVER

- **Optimum Versatility**...choice of four screeds lets you choose paving width and degree of automation.
- **Highly Productive**...basic tractor is designed for power and productivity.
- **Durable**...heavy-duty componentry for long life.
- **Operator Comfort**...dual stations with individual instrumentation, deluxe seats, side ambient air intake and outlet for cooler/quieter environment.
- **Total Customer Support System**...unmatched in the industry.

- **Perkins Model T 4.236 diesel engine** 76 kW / 102 hp
- **Basic paving widths**..... 3048 mm/10' and 2438 mm/8'
- **Hopper capacity** 5,9 cu m/206 cu ft

Model shown may have optional equipment.



SPECIFICATIONS



Diesel Engine

Gross power @ 2600 rpm...76 kw/102 hp Perkins Model T 4.236 turbocharged diesel engine.

Gross horsepower based on SAE J1349 standard conditions 25° C/77° F and 100 kPa/29.61" hg, using 35 API gravity fuel and engine equipped with fuel, lube oil and jacket water pumps. No derating up to 609,6 m/2000 ft altitude.

4 stroke-cycle diesel engine with 4 cylinders, 98,4 mm/3.875" bore, 127 mm/5" stroke and 4.236 liters/236 cu in displacement.

Air cleaner, dry element type. 12 volt electric starting system with 55 amp alternator.



Drive System

Hydrostatic transmission consisting of an infinitely variable displacement pump driving a two position variable displacement motor. The motor drives a two-speed mechanical transmission, resulting in four infinitely variable speed ranges.

Forward speed ranges:

Paving:

1st 39,0 mpm/128 fpm
2nd 95,1 mpm/312 fpm

Travel:

3rd 8,5 kph/5.3 mph
4th 20,9 kph/13.0 mph

Standard Front Tires: One (1) 22" x 12" solid rubber tire on each of four (4) wheels.

Standard Rear Tires: Two (2) 16:00 x 24 12-ply providing minimum sinkage with superior traction, even wear and no "heel and toe" effect, the sand rib tire is a maximum flotation-mobility tire.



Steering

All four front wheels are mechanically interlocked and steered by a single modulated hydraulic cylinder. Dual steering wheels for control from either operator's station.



Brakes

Primary braking system: Hydrostatic transmission dynamic braking.

Auxiliary braking system: Foot pedal activated multiple disc oil immersed brakes. Self adjusting.

Parking system: Two spring-applied, hydraulically released, parking brakes.



Hydraulic Oil Filtration

Feeder drive pumps have 10-micron filters located after charge pumps for forced filtration on suction lines to pumps. Propel pump has 10-micron suction filtration. Vibrator pump has 100 mesh suction filtration. Auxiliary pump has 5-micron filters on pressure outlet. 10-micron filters on return lines to tank.



Operator's Station

One deluxe cushioned seat with cushioned back and arm rests. Height, forward and backward adjustable for operator comfort. (Second seat optional.)



Operator Controls

Dual station, lockable consoles. Fingertip control from either station: power/run/stop, left or right side conveyor, screed vibrator, folding hopper, screed lift, forward/reverse, engine rpm/stop, differential lock, propel speed; steering; brake pedal.



Instrumentation

Operator's stations include gauges for: engine water temperature, engine oil pressure, voltmeter, hydraulic oil temperature, engine hour meter; keyed ignition switch; starter switch.



Slat Conveyors And Screws

Dual feeders, one for either side of the machine, independent variable speed hydrostatic drive and controls. Equipped with automatic and fully proportional controls for consistent material feed. Drag flights and chains are alloy steel for long life. Replaceable floor plates are 9,5 mm/3/8" thick wear resistant steel. 356 mm/14" diameter material screw constructed of all cast, wear resistant Ni-Hard alloy. Screw consists of ten 356 mm/14" and four 152 mm/6" long bolt-on segment sections. Kicker paddles distribute material under center chain-drive housing.



Vibrator Drive

Frequency is manually adjusted at screed through a variable speed hydraulic drive. Remote start-stop control with override at operator's console.



Hopper

Heavy duty, power folding dump type 5,9 cu m/206 cu ft enclosed volume. Includes deluxe flashing.



Suspension

Front wheels are mounted in bogied tandem pairs equalizing ground loading.



Service Refill Capacities

	Liters	U.S. Gallons
Fuel tank	162,8	43
Hydraulic oil tank	109,8	29
Cooling system	20,8	5.5