

VOLVO WHEELED PAVER

P4370B

5,5 m 88 kW



PAVE WITH POWER & PERFORMANCE.

The Volvo P4370B is the ideal machine for all highway, commercial and utility paving applications. It's Volvo through and through, from the engine to components to the entire machine. This means it delivers Volvo reliability, along with comfort, safety and exceptional visibility of all aspects of each application. One machine, one warranty – your solution: Volvo.



Comfort & visibility

The comfortable seating position puts the operator safely in complete command of the entire paving operation. Excellent visibility to the hopper, material delivery truck, auger area, material flow, screed and final mat. Ergonomically-positioned controls on the central control panel slide to both machine sides. Handrails permit safe movement around machine platforms.



Patented hydraulic load level suspension

Volvo-patented system provides uniform, three-point contact pressure on wheels when operating on uneven surfaces. Front wheels feature independent auto leveling, to minimize shock load and maintain uniform ground contact over the complete tire width. System stabilizes the overall machine to improve screed performance. Improves: tractive effort, steering performance and paving smoothness on uneven conditions.



Volvo Power

A genuine Volvo paver from hopper to screed. Provides customer the time saving benefit of an all-in-one solution. The best in class power of the Volvo D5 engine delivers performance to easily push trucks and pull the Volvo screed of widths up to 5.5 meters. All this power delivered at low noise level and low fuel consumption.



Volvo Omni V screed

Proven, variable width design employs on-the-go operation. The powerful, single tamping bar and a vibration system delivers high precompaction density. A mechanical crown adjustment flexes the screed plate +/- 3 degrees. Gas screed

heating system, designed with flame failure protection, quickly and efficiently heats the screed plate. Electronically-ignited LPG blower burner system. Produces a smooth and uniform mat with quality precompaction.



Volvo designed hydraulic systems

The hydraulic systems are matched to focus the paver on delivering a consistently level and consistently smooth mat. All heavy duty components are designed to complement each other to perform under the toughest conditions.

Heavy duty sealed bearings

Every bearing of the material handling system are specially designed with multi-level seals. Protection to reduce maintenance repair costs.

Wear resistant features

The P4370B paver material handling system design incorporates special hardness and extra thick, wear resistant components. The conveyor floor plates, screed plates, auger flight and double bushing conveyor chains all deliver long life while resisting wear from any abrasive lay down material.

PROFITABILITY IN VIEW.

Comfort & visibility

Operate safely, in complete command with visibility to the hopper, material delivery truck, auger area, material flow, screed and final mat.

Safe access

Handrails and all-weather grip walk areas permit safe movement around all machine platforms.



Volvo engine with Volvo support

Environmentally-friendly Volvo engine delivers best-in-class 88 kW (118 hp) performance along with quiet, fuel-efficient operation. Capable to push 25-ton trucks. One stop support center from your local Volvo dealer.



Load sensing hydraulic system

Hydraulics perfectly matched to all Volvo components, from engine to screed to hopper providing long life, less maintenance and high-traction performance. The trouble-free, load-sensing system is powered by a variable-displacement axial piston pump.



Patented hydraulic load level suspension

Volvo-patented system with independent auto leveling minimizes shock load while providing constant ground contact in uneven ground conditions.

Optional front wheel assist

As an option, the paver can be equipped with two additional drive bogies, providing added tractive effort when required.



Foldable sunshade

All-weather sunshade with wide open sides, provides good operator visibility and reduced fatigue for increased safety and productivity.



Operator friendly controls

Proven, adjustable operator control from a position that offers excellent visibility, ergonomic operation and operator-adjustable seating comfort.

Automatic conveyor & auger control

Paddle switches provide on-off control of the conveyor and auger, helping to provide uniform and consistent control of the material.



Omni V Screed

Using hydraulic telescoping cylinders the screed features on-the-go width changes from 2.5 to 4.75 m. Features both tamping bar and vibration for high compaction off the screed. This heavy screed delivers a high quality, consistent mat.

Crown adjustment

Flex the heavy-duty screed plate +/- 3 degrees using the mechanical crown adjustment, easily obtaining road crowns and drainage profiles.

Heavy duty sealed bearings

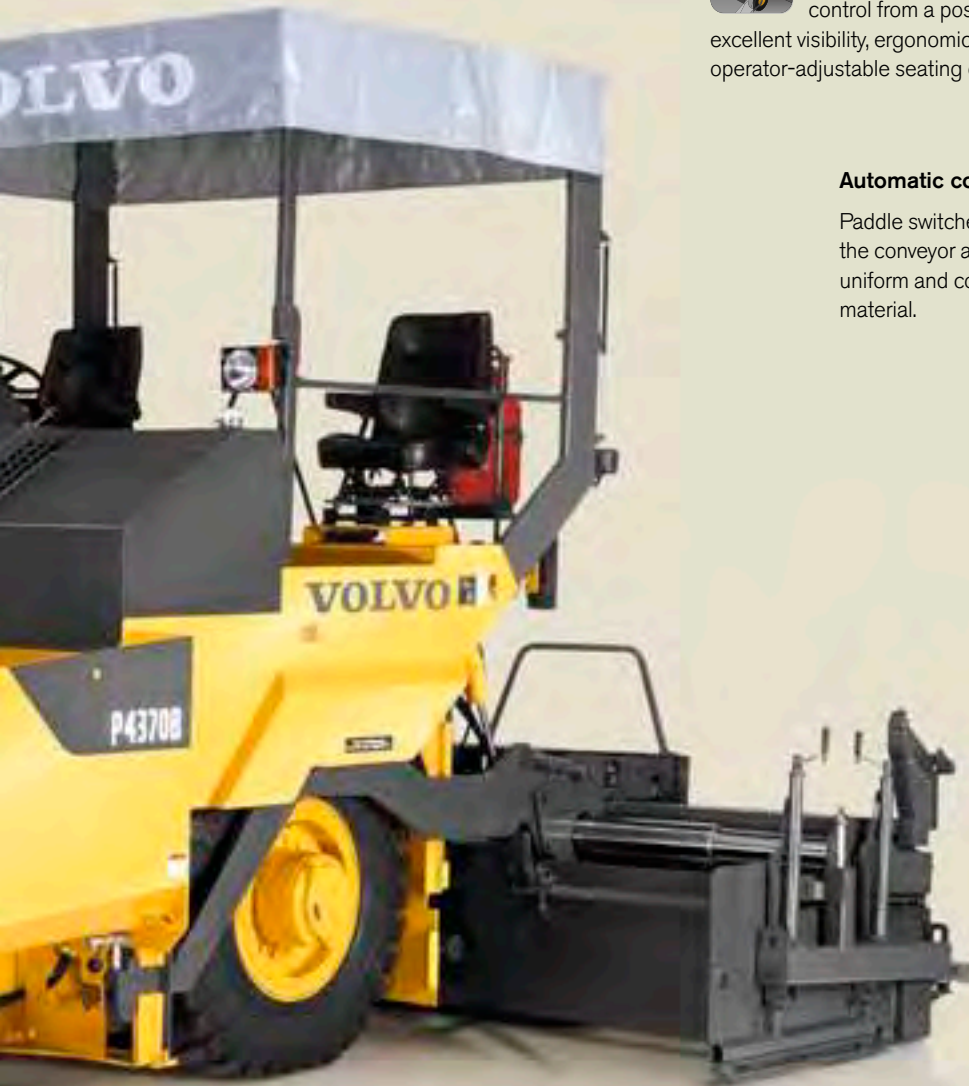
Every bearing of the material handling system are specially designed with multi-level protection to reduce maintenance repair costs.

Automation

Paver's electrical system will accept most major leveling systems.

Adjustable height and reversing auger

Ability to adjust auger height to improve material transfer and flow. Reversing the auger improves material control and reduces hand labor.



YOUR SERVICEABILITY & SUPPORT.

Rely on your local Volvo dealer for all the support services you need. They've got the parts, service and support to help you do more and make more profit on each job.



Your access to serviceability

Easy, safe access with no difficult climbing around the machine. Engine and all major hydraulic components are easily accessible from all sides. Designed for fast, open access to grease points, oil drains and other routine maintenance areas. Faster intervals minimize operating costs and increase machine availability.

Support services

And with Volvo, your local dealer is always there for you, backing each and every machine with genuine Volvo parts and trained, expert service support. With solutions for all your paving jobs, Volvo helps you improve your owning and operating costs.



Capacity and weight

| | | |
|------------------------------------|----|--------|
| Weight with Omni V screed at 5.5 m | kg | 15 000 |
| Hopper capacity | kg | 12 000 |
| Fuel tank capacity | l | 150 |
| Hydraulic tank capacity | l | 165 |

Engine

| | | |
|----------------------------|-----|--|
| Make | | Volvo |
| Model | | D5 |
| Rated power at 2300 rpm | kW | 88 |
| | hp | 118 |
| Laydown rate (theoretical) | t/h | 600 (practical rate of laydown varies with paving material and paving width) |
| Paving thickness | mm | 300 |

Hydrostatic drive system

| | | |
|-------------------------|-------|---|
| Front wheel - steering | mm | (2) 580 dia. solid rubber tire |
| Rear wheel - propulsion | | (2) 14 x 25 - 20 PR. Off the road tires |
| Speed - Transport | km/h | 14 (max) |
| Paving | m/min | 45 (max) |

Conveying system

Four independent hydrostatic drives for conveyer and augers, with automatic material flow control

Screed system

Omni V, hydraulically extendable from 2.5 m to 4.75 m, add on segments 5.5 m paving width

Screed heating

Electronically ignited LPG blower burner for full screed width on main, and extension screed

Auger system

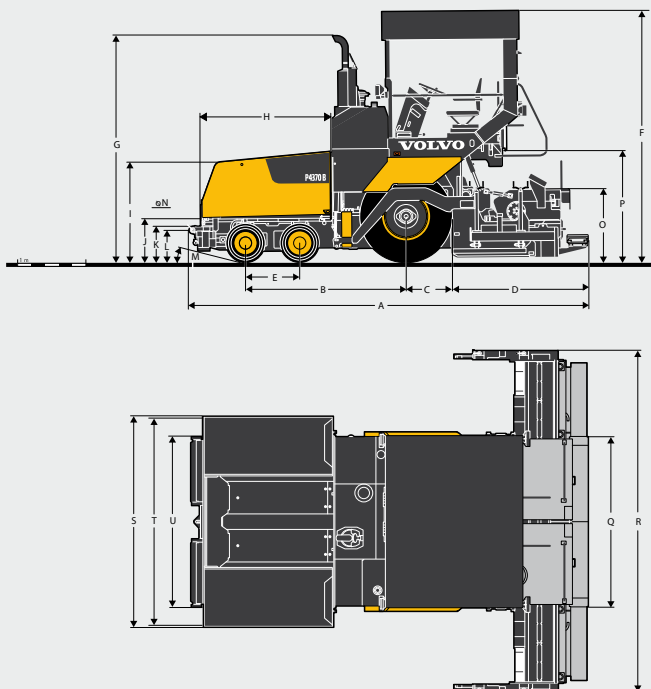
Large diameter auger with engineered auger box for smooth material spread with reduced segregation for full width paving, adjustable auger height, and reversible auger system

Brake system

| | |
|---------------|--|
| Service brake | hydrostatic |
| Parking brake | Spring applied hydraulically released (SAHR) |

Options

- (2) additional drive bogies
- Auto leveling
- Screed extensions for 5.5 m
- WMM paving kit
- Low front apron
- Beacon lights



DIMENSIONS

| | | |
|---|----|-------|
| A | mm | 5 882 |
| B | mm | 2 370 |
| C | mm | 720 |
| D | mm | 1 961 |
| E | mm | 800 |
| F | mm | 3 640 |
| G | mm | 3 487 |
| H | mm | 1 912 |
| I | mm | 1 434 |
| J | mm | 636 |
| K | mm | 520 |
| L | mm | 440 |
| M | ° | 13 |
| N | mm | 110 |
| O | mm | 1 001 |
| P | mm | 1 605 |

DIMENSIONS

| | | |
|---|----|-------|
| Q | mm | 2 502 |
| R | mm | 5 039 |
| S | mm | 3 107 |
| T | mm | 3 083 |
| U | mm | 2 490 |

VOLVO CONSTRUCTION EQUIPMENT



Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different.

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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Volvo Construction Equipment
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