



Volvo Construction Equipment is different. It's 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 – **More care. Built in.**



*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.*

**VOLVO**

Volvo Construction Equipment  
[www.volvoce.com/na](http://www.volvoce.com/na)

Ref. No. VOE 22 A 100 4080  
Printed in USA 2008.2-5,0  
Volvo, Asheville

English

VOLVO WHEELED PAVERS

# PF6160, PF6170



**MORE CARE. BUILT IN.**





# WE'RE AS DEDICATED TO PAVING AS YOU ARE

The new highway-class pavers from Volvo Construction Equipment have been designed to take you to the next level of paving, with independent auger and conveyor systems, automatic conveyor tensioning, and a patented front-wheel suspension. Features like these, born of the Blaw-Knox and ABG legacy, have combined with our never-ending commitment to reliable performance to make Volvo the name to trust in road equipment.

## Decades of innovations

For years, these pavers have featured innovations that were ahead of their time but quickly became paving-industry standards, including:

- Fast-attach extensions
- Extendible tunnels
- Pneumatic rubber tires
- Hydrostatic drive
- Sonic feed controls
- Off-set bogie wheels
- Raising hopper
- Dual operator stations

## Tractive effort

The PF6160 is designed without front-wheel assist (FWA). The PF6170 comes standard with two-wheel FWA, and can be equipped with optional industry-leading four-wheel FWA. The FWA includes load-dependent torque control to optimize tractive effort and minimize slippage.

## Unsurpassed operator comfort

The operator seats extend beyond the edge of the machine for improved visibility. Each operator seat can be adjusted forward or rearward, and each console rotates and adjusts at two pivot points for enhanced operator comfort.

## Improved material flow control

Independent control of the augers and conveyors provides optimal control of material flow. Sonic sensors are used to control each of the two auger and conveyor drives while self-priming function simplifies the filling of the auger tunnel. Reversible augers and conveyors are available as options.

## Power comes standard

A paver mounted 30 kW (37.5 kVA) generator has been integrated as standard into the machine to electrically heat the screed while providing plenty of power for auxiliary applications such as lighting or other jobsite tools.

## Environmentally friendly cleaning

An integrated track coating system is standard on all PF6000 Series pavers. The environmentally friendly Blaw-Kote coating system can be used on the complete machine and applied to the tracks with the push of a button.

## Ease of operation

Automatic tensioning of the chains ensures the proper performance of the conveyor system — saving maintenance time and costs.





# NEW VOLVO HIGHWAY-CLASS PAVERS, DESIGNED WITH INNOVATION FROM AROUND THE GLOBE



## 1 Screed versatility

Multiple screed configurations are available on the PF6160 and PF6170 tractors, including vibratory with front- or rear-mounted extensions.

## 2 Ease of use

The intuitive control panel places all controls within the reach of the operator. This design built with rocker switches, a single diagnostic panel and steering wheel makes it easy to learn and easy to operate.

## 3 Efficient screed heating

All screeds for the PF6160 and PF6170 pavers are heated electrically with heater bar technology, reducing set-up and heating times. The heat bars are interchangeable and can be replaced without removing the screed plate.

## 4 Better flotation

The PF6160 and PF6170 utilize low-pressure tires, exclusive to Volvo, providing a larger footprint for flotation and better traction.

## 5 Lower operating costs

The Volvo PF6160 and PF6170 pavers are powered by an efficient 152,9 kW (205 hp) Cummins QSB6.7 Tier 3 diesel engines that operate at 1,800 rpm to provide better fuel economy and lower operating costs.

## 6 Level-load steering

The Volvo wheeled pavers are equipped with a patented level-load suspension system to improve stability and extend the life of the bogie wheels.

## 7 Easy access to cooling system

The variable speed cooling fan provides on-demand cooling, reducing engine power stress. The tiered design of the radiator supplies easy access and serviceability.

## 8 Foldable exhaust system

The SmokEater fumes extraction and engine exhaust are discharged through a combined exhaust tube. The exhaust system is foldable for transport purposes (as shown).

## 9 431.8 mm (17") auger assembly

The auger assembly consists of 431.8 mm (17") auger segments to effectively move the material to the endgate.

## 10 Onboard diagnostic system

An integrated diagnostic panel provides clear information for quick problem diagnosis and less downtime. It also retrieves and stores error logs for further analysis.

## 11 Power Tunnel Synchronization

Standard, two-stage power tunnels operate from the tractor or from the screed and are synchronized to retract in conjunction with the screed. Tunnel extensions range from 3 m (10') to 5 m (16.25'). This feature provides the contractor more control of the head of material to improve performance.

## 12 Hopper lock system

This safety mechanism locks the hopper in place for safer transport and service.



Job specifications and requirements are impacted by global influences, and Volvo has developed a new line of pavers incorporating technology and innovation from around the world. As an industry-leading manufacturer of paving and compaction products, Volvo has designed the PF6160 and the PF6170 with proven components and systems to offer pavers that give you a competitive edge.

SPECIFICATIONS



Blaw-Knox screeds —  
matched to your application

Gain an advantage with the versatility of Blaw-Knox screeds. Attach a high-density screed to your PF6000 Series paver for base or difficult jobs; switch to a high-production vibratory screed for routine projects.

High-Production

Omni 318 Power extendible screed

High-Density

Omni 1000 Vibratory screed

Designed for the customer, by  
the customer

While we put all of our global engineering resources into these pavers, we also sought input from our customers to help us better understand the challenges contractors face on a daily basis.

You're not just buying equipment — you're investing in the future of your business. We're committed to serving you after the sale through our dealer support system and their understanding of the paving industry. Working together, Volvo and your dealer protect the value of your investment by providing financial solutions, Road Institute training, and aftermarket support. Make Volvo your equipment manufacturer of choice.

Model	PF6160	PF6170
Machine Dimensions		
Basic Screed Width	m (ft) 3,05 (10)	3,05 (10)
Max Paving Width	m (ft) 7,92 (26)	7,92 (26)
Paving Depth	mm (in) 6,35 – 304,8 (0.25 – 12)	6,35 – 304,8 (0.25 – 12)
Hopper Capacity	T (t) / m³ (cu ft) 13,04 (14.38) / 6,51 (230)	13,04 (14.38) / 6,51 (230)
Weight Of Tractor Only	kg (lb) 16 385 (36,122)	16 521 (36,422)
	w/ Omni 318 19 672 (43,370)	19 808 (43,670)
	w/ Omni 1000 20 248 (44,640)	20 384 (44,940)
Wheelbase	mm (in) 2 616 (103)	2 616 (103)
Operating Height	mm (in) 3 556 (140)	3 556 (140)
Width	mm (in) Hopper Sides Up 2 997 (118)	2 997 (118)
	Hopper Sides Down 3 277 (129)	3 277 (129)
Inside Hopper Width	mm (in) 3 226 (127)	3 226 (127)
Max Paver Length	mm (in) 6 388,3 (251.5)	6 388,3 (251.5)
Engine		
Make / Model	Cummins QSB 6.7 Tier 3 electronic engine with CAC	Cummins QSB 6.7 Tier 3 electronic engine with CAC
Rated Power @ Installed Speed	kW (hp) 152,9 (205)	152,9 (205)
Propulsion		
Suspension	2-speed planetaries, 2-speed drive motors	2-speed planetaries, 2-speed drive motors, optional 4-wheel FWA
Drive Tire Size	mm (in) 457,2 x 635 (18 x 25)	457,2 x 635 (18 x 25)
Front Wheel Size	mm (in) 356 x 559 (14 x 22)	356 x 559 (14 x 22)
Traction Drive	Hydrostatic direct drive	Hydrostatic direct drive
Paving Speed	m/min (fpm) 90,5 (297)	90,5 (297)
Travel Speed	km/h (mph) 19,3 (12)	19,3 (12)
Miscellaneous		
Fuel Tank Capacity	l (gal) 303 (80)	303 (80)
Hydraulic Tank Capacity	l (gal) 236,6 (62.5)	236,6 (62.5)
Cooling Capacity	l (qt) 54,9 (58)	54,9 (58)
Auger Diameter	mm (in) 431,8 (17)	431,8 (17)
Adj Height Augers	mm (in) 114,3 – 241,3 (4.5 – 9.5)	114,3 – 241,3 (4.5 – 9.5)

Front-mounted extensions		Omni 318
Vibration / Tamping System		Vibratory
Basic Screed Width	m (ft)	3,05 (10)
Standard Paving Width	m (ft)	3,05 – 5,49 (10 – 18)
Max Paving Width	m (ft)	7,92 (26)
Paving Depth	mm (in)	6 – 305 (0.25 – 12)
Screed Width	mm (in) Main	457 (18)
	Optional	635 (25)
	Extensions (front to rear)	457 (18)
Screed Plate Thickness (All)	mm (in)	13 (0.5)
Screed Weight	kg (lb)	3 425 (7,550)
Vibratory Speed	Hz (vpm)	16,67 – 40 (1,000 – 2,400)
Rear-mounted extensions		Omni 1000
Vibration / Tamping System		Vibratory
Basic Screed Width	m (ft)	3 (9.8)
Standard Paving Width	m (ft)	3 – 6 (9.8 – 19.7)
Max Paving Width	m (ft)	8 (26.2)
Paving Depth	mm (in)	6 – 305 (0.25 – 12)
Screed Width	mm (in) Main	450 (17.7)
	Optional	635 (25)
	Extensions (front to rear)	450 (17.7)
Screed Plate Thickness (all)	mm (in)	15 (0.59)
Screed Weight	kg (lb)	4 000 (8,818)
Vibratory Speed	Hz (vpm)	8,33 – 50 (500 – 3,000)

Available Options

- 3-function screed assist
- Air intake screen
- Balloon light kit (as shown)
- Beacon
- Blaw-Kontrol
- Floating beam
- Flood light
- Light tower
- Material indicator alarm
- Reversible augers
- Reversible conveyors
- Screed remote control
- Special paint
- Truck hitch
- Ultra® 4 reference kit

