

VOLVO WHEELED PAVERS

PF2181, PF3172



MORE CARE. BUILT IN.



ACHIEVE PERFECT PLACEMENT ON A VARIETY OF MATERIALS

Volvo Construction Equipment offers the Blaw-Knox PF2181 and PF3172, two high-capacity, wheel-mounted pavers built to place a variety of materials: bituminous base, binder, and surface course mixes; graded aggregate materials; and cement- or lime-stabilized sub-base. Both pavers are packed with high-performance features and plenty of options, all to reduce maintenance time, lower costs, and boost productivity.

Performance Features

- Exclusive low-pressure tires provide larger footprint for better flotation and traction
- Exclusive offset bogie front suspension distributes front-end weight more evenly for better traction
- Exclusive clamp-in conveyor floor plates reduces maintenance time than traditional bolt-in designs
- Maintenance-free sealed auger and conveyor bearings eliminate daily greasing
- High-efficiency 406,4 mm (16") augers are 19 mm (0.75") thick for better delivery and longer wear
- Patented power-adjustable auger height of 114,3 mm - 279,4 mm (4.5" - 11") lets operator adapt quickly to varying job requirements
- Dual operator consoles enable operators to work safely with the best visibility
- Pinned engine hoods and removable deck plates provide convenient access to vital components
- Easy-access filters and common-platform electrical reduces maintenance time

Available Options

- Additional operator's umbrella
- Auger and auger-guard extension kits
- Backup alarm
- Blaw-Kontrol® II (mechanical grade sensor, mobile reference system, Ultra® IV sonic averaging system, UltraEye® V ultrasonic grade sensor)
- Engine shutdown kit
- Front wheel assist
- Generator set
- Hydraulic power tunnels and baffles (chain curtains)
- Light beacon and work lights
- Material indicator kit
- Material management kit
- Tower lighting kit
- Truck hitch

Additional Features

- Hydrostatic direct traction drive eliminates approximately 70 percent of mechanical drivetrain components
- Easier access to electrical circuit boards ensures faster service
- Central hydraulic valve block with interchangeable cartridge valves speeds service access, simplifies troubleshooting
- Unitized rear-feed section reduces the time required to access all major feeder system components
- Extensive state-of-the-art equipment options help automate and improve HMA paving quality



SPECIFICATIONS

Model		PF2181	PF3172
Machine Dimensions			
Basic Screed Width	m (ft)	2,44 (8)	3,05 (10)
Max Paving Width	m (ft)	6,4 (21)	6,4 (21)
Paving Depth	mm (in)	6,35 – 304,8 (0.25 – 12)	6,35 – 304,8 (0.25 – 12)
Hopper Capacity	T (t) / m ³ (cu ft)	10 (11) / 5,15 (182)	10,3 (11.4) / 5,15 (182)
Gauge Width, Center To Center Of Drive Wheels	mm (in)	1 810 (71.25)	2 273 (89.5)
Wheelbase	mm (in)	2 260 (89)	2 286 (90)
Travel Height With Exhaust	m (ft)	3,15 (10.33)	3,15 (10.33)
Width, Hopper Sides Up	m (ft)	2,5 (8.19)	3,05 (10)
Width, Hopper Sides Down	m (ft)	3,15 (10.33)	3,15 (10.33)
Length, Wedge-Lock Screed	m (ft)	5,73 (18.67)	5,72 (18.75)
Length, OmniScreed IA	m (ft)	5,95 (19.5)	-
Length, OmniScreed III	m (ft)	-	5,99 (19.67)
Length, UltiMat 16	m (ft)	6,5 (21.33)	-
Length, UltiMat 20	m (ft)	-	6,5 (21.33)
Engine			
Make / Model		Cummins QSB 5.9-30T	Cummins QSB5.9-30-T, Tier 2
Rated Power @ Installed Speed	kW (hp)	118 (158)	117,8 (158)
Electrical System		12 volts, negative ground, 130 A alternator	12 volts, negative ground, 130 A alternator
Propulsion			
Paving Speed	m/min (fpm)	79,2 (260)	69,2 (227)
Travel Speed	km/h (mph)	13,7 (8.5)	15,8 (9.8)
Rear Suspension	mm (in)	(2) 406 x 610 (16 x 24) low-pressure, sand rib, high-flotation tires, hydroflated to 75%	(2) 406 x 610 (16 x 24) low-pressure, sand rib, high-flotation, hydroflated tires
Front Suspension	mm (in)	(4) 305 x 559 (12 x 22) solid rubber tired wheels, offset tandem bogie frame	(4) 305 x 559 (12 x 22) solid rubber tired wheels
Weights			
Tractor Only	kg (lb)	11 068 (24,400)	11 508 (25,370)
With Wedge-Lock Screed	kg (lb)	12 542 (27,650)	13 549 (29,870)
With Wedge-Lock Screed & 2.5/5 Hyd. Extns.	kg (lb)	12 701 (28,000)	-
With Wedge-Lock Screed & 3/6 Hyd. Extns.	kg (lb)	-	14 200 (31,305)
With OmniScreed IA	kg (lb)	13 313 (29,350)	-
With OmniScreed III	kg (lb)	-	14 692 (32,390)
With UltiMat 16	kg (lb)	14 515 (32,000)	-
With UltiMat 20	kg (lb)	-	15 118 (33,330)
Miscellaneous			
Cooling Capacity	l (qt)	24 (25.5)	24,1 (25.5)
Fuel Capacity	l (gal)	204 (54)	204 (54)
Hydraulic Reservoir Capacity	l (gal)	204 (54)	204 (54)

Product improvement is a continuing goal at Volvo. Designs and specifications are subject to change without notice or obligation.

	PF2181	PF3172
Wedge-Lock® Screed with modular extensions	2,4 m (8')	3 m (10')
	Modular extensions increase maximum paving width to 6,4 m (21')	Modular extensions increase maximum paving width to 6,4 m (21')
Wedge-Lock Screed with hydraulic extensions (Extensions not equipped with heat and vibration)	Diesel-heated	Diesel- or electric-heated
	2,4 m (8')	3 m (10')
	2.5 / 5 hydraulic extensions increase maximum paving width to 4 m (13')	3 / 6 hydraulic extensions increase maximum paving width to 4,9 m (16')
	Optional modular extensions for telescoping systems increase maximum paving width to 4,6 m (15')	Optional modular extensions for telescoping systems increase maximum paving width to 5,5 m (18')
Power extendible OmniScreed® IA	Diesel-heated	Diesel- or electric-heated
	2,4 m (8')	-
	Maximum paving width of 4 m (13.13')	-
Power extendible OmniScreed® IIIA (Diesel-heated) OmniScreed® IIIE (Electric-heated)	Optional modular Wedge-Lock extensions increase maximum paving width to 5,2 m (17.17')	-
	Diesel-heated	-
	-	3,0 m (10')
Power extendible UltiMat® screed	-	Maximum paving width of 5,5 m (18')
	-	Optional modular Wedge-Lock extensions increase maximum paving width to 6,4 m (21')
	2,4 m (8')	3 m (10')
Power extendible UltiMat® screed	Maximum paving width of 4,9 m (16')	Maximum paving width of 6,1 m (20')
	Optional modular extensions increase maximum paving width to 5,5 m (18')	Optional modular Wedge-Lock extensions increase maximum paving width to 6,4 m (21')
	Electric	Electric



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 – **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

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