

PF-5510 Blaw-Knox Paver



Model shown with OmniScreed III.

A Productive Paver for Every Application

The Blaw-Knox PF-5510 is a high-capacity, track-mounted paver / finisher capable of placing bituminous base, binder and surface course mixes, cement or lime stabilized sub-base and graded aggregate materials. Practical production rate capability is approximately 865 tons (785 T) per hour, which is approximately 35 percent of the machine's theoretical capacity.

KEY FEATURES

- Continuous, Flexible, Hi-Speed, EzRider, Rubber Track — the traction and flotation of a track machine with the mobility and rideability of a wheeled machine — smooth track design for improved rideability.
- Positive Cog / Socket Track Drive — eliminates the potential power loss associated with friction drive slippage.
- Hydraulic Power Tunnels and Baffles (chain curtains) — assists the operator in maintaining an even head of the material in front of the screed and quickly accommodates paving widths to 16' 0" (4.88 m) without additional components.
- Clamp-in Conveyor Floor Plates — exclusive to Blaw-Knox, clamp-in conveyor floor plates reduce maintenance time required, making them a vastly superior alternative to traditional bolt-in designs.
- Maintenance-free Sealed Auger and Conveyor Bearings — eliminates daily greasing.
- Durable Curved Hopper — rounded configuration of the hopper enhances the flow of hot mix asphalt and makes cleanup quick and easy.
- High-efficiency 16-inch Augers — 3/4-inch thick for better delivery and longer wear. Patented power adjustable height 4.5" – 11" (115 – 279 mm) permits the operator to quickly adapt to varying job requirements.
- Designed for Easy Maintenance — pinned engine hoods and removable deck plates provide convenient access to vital components, filters are easily accessible and a common-platform electrical system is utilized.
- Parts Commonality — approximately 90 percent of the wear parts on 10-foot pavers are common to other Blaw-Knox pavers in their class.

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Specifications

ADDITIONAL FEATURES

- Dual Operator Consoles — two fully equipped control stations allow operators the convenience and control to work safely with the best visibility.
- Hydrostatic Direct Traction Drive — eliminates approximately 70 percent of mechanical drivetrain components.
- Easy Access Electrical Circuit Boards — service procedures are faster and easier.
- Counter-rotating Tracks — provide superior tight-quartered maneuverability.
- Central Hydraulic Valve Block with Interchangeable Cartridge Valves — speeds service access and simplifies troubleshooting.
- Unitized Rear Feed Section — reduces service access time to all major feeder system components by approximately 50 percent.
- The Most Extensive Selection of State-of-the-Art Equipment Options — to automate and improve the end result quality of your HMA paving operation.

OPTIONS / ACCESSORIES

- Additional operator's umbrella
- Auger and auger guard extension kits
- Back-up alarm
- Blaw-Kontrol® II
 - Mechanical Grade Sensor
 - UltraEye® V Ultrasonic Grade Sensor
 - Ultra IV™ Sonic Averaging System
 - Mobile Reference Systems
- Engine Shutdown Kit
- Generator set
- Material Indicator Kit
- Material Management Kit
- Mixer / agitator
- Power flight augers
- Light beacon and worklights
- Tower Lighting Kit
- Truck hitch

SCREED CHOICES

- **10' (3.05 m) Wedge-Lock® Screed** with optional modular extensions to extend paving width up to a standard maximum of 27' 0" (8.23 m), custom extended widths to 30' 0" (9.14 m). Heating choices of diesel, propane or electric available.
- **10' (3.05 m) Wedge-Lock Screed with 3/6 Hydraulic Extensions** to extend paving width up to a maximum of 16' 0" (4.88 m). Optional modular extensions for the telescoping sections will increase the maximum paving width to 18' 0" (5.49 m). Heating choices of diesel, propane or electric available. Hydraulic extensions are not equipped with heat and vibration.
- **10' (3.05 m) Power Extendible OmniScreed® III** with a maximum, fully screeded, extended paving width of 18' 0" (5.49 m). Optional modular Wedge-Lock extensions will increase the maximum paving width to 24' 0" (7.32 m), diesel heated.
- **10' (3.05 m) Power Extendible OmniScreed VII** with rear-mounted extendible sections and telescoping prestrike-off plates with a maximum fully screeded, extended paving width of 19' 3" (5.87 m). Optional modular extensions will increase the maximum paving width to 30' 0" (9.14 m), heating choices of diesel or propane.
- **10' (3.05 m) Power Extendible UltiMat® 20 Screed** with a maximum extended paving width of 20' 0" (6.1 m). Optional modular extensions will increase the maximum paving width to 22' 0" (6.71 m).
 - Equipped with a patented, high-efficiency electric heating system
 - Four heating zones for even distribution
 - Temperature control automatically maintained by a patented Energy Management System

MODEL	PF-5510	
MACHINE DIMENSIONS	US	METRIC
Basic Screed Width	10'	3.05 m
Max Paving Width	30'	9.14 m
Paving Depth	1/4" – 12"	6.35 – 304.8 mm
Hopper Capacity	13.6 t (218 cu ft)	12.3 T (6.17 m³)
Gage Width — Center to Center of Tracks	87.34"	2218 mm
Length of Track on Ground	117"	297.2 cm
Track Width	19"	482.6 mm
Travel Height with Exhaust	9' 7"	2.92 m
Width — Hopper Sides Up	10'	3.05 m
Width — Hopper Sides Down	10' 4"	3.15 m
Length — Wedge-Lock Screed	19' 6"	5.94 m
Length — UltiMat 20 Screed	20' 3"	6.17 m
Length — OmniScreed III	20' 5"	6.22 m
Length — OmniScreed VII	21' 1"	6.43 m
ENGINE		
Brand	Cummins QSB 5.9-30TAA	
Horsepower @ 2,100 rpm	188 hp	140.2 kW
Electrical System	12V, negative ground with 130A alternator	
PROPULSION		
Paving Speed	230 fpm	70.1 m/min
Travel Speed	10 mph	16.1 km/h
Suspension	Unitized, bolt-on track frames, 6 sets of oscillating bogie wheels	
WEIGHTS		
Tractor Only	32,450 lb	14719 kg
With Wedge-Lock Screed	36,950 lb	16760 kg
With Wedge-Lock Screed with 3/6 Hyd. Extns.	38,385 lb	17411 kg
With OmniScreed III	39,470 lb	17903 kg
With UltiMat 20	40,410 lb	18330 kg
With OmniScreed VII	40,965 lb	18581 kg
MISCELLANEOUS		
Cooling Capacity	28 qt	26.5 L
Fuel Capacity	54 gal	204 L
Hydraulic Reservoir Capacity	54 gal	204 L

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