



PF-1510B



The PF-1510B is a rugged, track-mounted, mid-sized paver/finisher capable of placing bituminous base, binder and surface course mixes, cement or lime stabilized sub-base and graded aggregate materials.

Impressive standard features, equipment choices, and options enable each machine to be configured in accordance with customer requirements.

KEY FEATURES

- ✓ **Track-Mounted Mobility**—Best in class extended track design provides excellent machine balance and low ground contact pressure.
- ✓ **Top Side Operator Control Stations**—Provide superior operator comfort and control from either station.
- ✓ **Hydrostatic/Direct Traction Drive**—(2) Speed hydraulic motor provides a precise match of ground speed to operating requirements.
- ✓ **100 hp (75 kW) Cummins QSB3.3 Tier 4i Diesel Engine**—Efficient, reliable power.
- ✓ **Paving Widths to 16' (4.9 m)**—Increased production results from expanded width capability (requires (2) one foot extensions).
- ✓ **SureHeat® Screed System**—Provides quick, even heat distribution to the screed (10 kW generator). Push-button activated, preset auto-off timer.
- ✓ **Three Bogies per Side (7 track rollers)**—Excellent weight distribution and improved flotation.
- ✓ **Dual Independent Feed System**—Independent hydrostatic drive for right and left side auger-conveyor systems provide precise control of material flow.
- ✓ **High Efficiency 12" (305 mm) Diameter Augers**—Equipped with replaceable, abrasion-resistant, cast steel segments on flights and shafts for maximum service life.
- ✓ **Proportional Sonic Feed Controls**—Standard
- ✓ **Tow-Point Control**—8" (203 mm) Stroke tow-point cylinder provides switch activated, material thickness control with reference indicator.
- ✓ **Four (4) Zone Screed Vibration**—0-2800 vpm improves material flow, mat texture and density.
- ✓ **Multi-block Hydraulic Valve Assemblies with Interchangeable Cartridge Valves**—Speeds service access and simplifies troubleshooting.
- ✓ **Closed Center Hydraulics**—Cooler running, longer life components and increased fuel economy.
- ✓ **120V Duplex AC Outlet**—Standard

STANDARD FEATURES – PF-1510B

TRACTOR

The new Blaw-Knox™ PF-1510B incorporates over 80 years of design excellence. Its simple yet modern design continues to help contractors build quality pavement structures while enjoying low ownership costs and superior long-term reliability with excellent value.

Tracks: The longest tracks in its class—98" (2.5 m)—provide smooth travel while paving for superior mat surface. The auto-tensioning, 14" (356 mm) wide tracks with poly-pads create positive traction in adverse site conditions.

Traction Drive: Independent, hydrostatic direct drive system with electrohydraulic controlled, single speed planetaries and two-speed motors. Speed selection is infinitely variable in each of two speed ranges:

Work Mode @ 1800 rpm . . 0-142 fpm (1.6 mph)(43 m/min)

Travel Mode @ 2200 rpm . 0-346 fpm (3.9 mph)(105 m/min)

Reverse Full reverse in both speed ranges

Powerful Engine: Cummins (4) cylinder, QSB3.3 199 cu. in. (3.3 L) (Tier 4i) water-cooled, turbocharged, diesel engine develops 100 hp (75 kW). Includes air cleaner with replaceable element, replaceable oil filter, diesel fuel filter, and 120 amp alternator. Engine rpm presets are available as well as infinite variability from 1000 to 2200 rpm.

Bogie Suspension: Three bogies per side allow equal weight distribution across each track for low ground contact pressure. Smooth poly-pads provide maximum traction while allowing long service life.



OPERATOR'S STATION

Dual seating stations are provided with a pivoting operator's console for ease of operation.



CONTROLS

Controls: Dual control positions are each equipped with an operator's seat and direction/speed control pedestal. Operating console pivots between the two positions.



MATERIAL MANAGEMENT

Hopper Design: Each hopper wing is flashed with 3/4" (19 mm) heat resistant UHMW assuring smooth truck unloading. Rear lifting hopper wings are curved for consistent flow of material to each high capacity conveyor.



Dual Feed Systems: Separate, infinitely variable, hydrostatic drive for right and left side feed systems provide optimum auger-conveyor operation through the machine's entire capability range. Right and left side proportional systems function independently and operation is controlled either manually with electrical switches on the operator's console or automatically by sonic sensing systems positioned at the outer end of each screed extension.



Power Flow Gates: Two individually operated, electrohydraulic controlled, adjustable flow gates, located in the conveyor tunnel entrance, at the rear of the hopper, meter material delivery to the augers.

Conveyor: Shafts, bearings, seals and drive elements are oversized for extended service life. Dual conveyors have channel drag bars riveted to their heat treated chains.

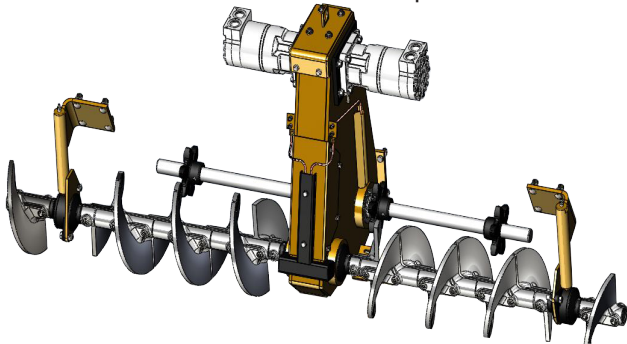
AUGERS



Augers: Replaceable, abrasion resistant, cast steel segments on flights and shafts for maximum service life.

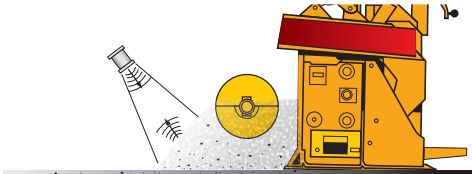
Auger Diameter 12" (305 mm)
 Auger Flight Thickness 0.5" (13 mm)
 Auger Speed Maximum 115 rpm

Extendible Tunnels: 17" (0.4 m) travel, extendible tunnels, on left and right side of the paver, accurately control the head of material. Power extendible tunnels are optional.



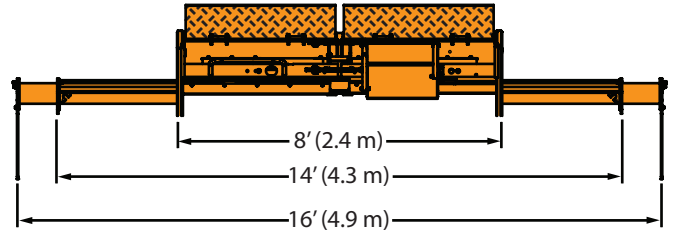
Auger Feed Assembly: The unitized modular design of the rear feed section (center chain case, left and right side planetary drives, rear conveyor shafts and auger assemblies) allows easy service access.

Automatic Feed System Control: The feed system is modulated by sonic non-contact sensors. The sonic system automatically controls the operating speed of the dual feed systems.



SCREED

New wider, heavy-weight WL screed: High density balanced screed design provides excellent surface texture and material consolidation. Pave up to 14' (4.3 m) wide hydraulically and 16' (4.9 m) wide with (2) 12" (305 mm) bolt-on extensions.



Standard paving width 8' - 14' (2.4 - 4.3 m)
 Extended paving width with (2) 12" bolt-on extensions . 16' (4.9 m)
 Paving depth range 1/4" - 6" (6 - 152 mm)
 Center crown 3" (76 mm) positive to 3/4" (19 mm) negative
 Hydraulically powered generator powers (6) six screed mounted heating elements.

Four Zone Screed Vibration: Two self-contained vibrators on the main screed and one on each extension (0-2,800 vpm) (0-47 Hz) provide material flow, smooth mat texture and density.

The two telescoping hydraulic screed extensions (one on each end of the main screed) are equipped with integral 6 3/4" (171 mm) deep replaceable screed plates.

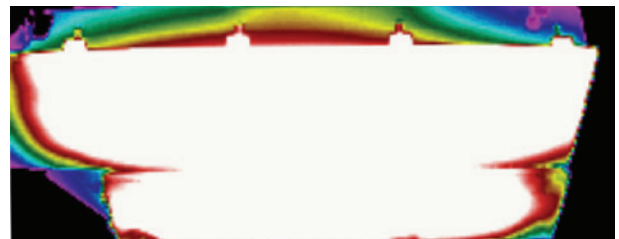
Power slope: Adjustment range is up to 1" (25 mm) in 12" (305 mm) positive at any extended width.

Power crown: Hydraulic assist permits easy adjustment of lead and tail crown.

Tow-Point Control: 8" (203 mm) stroke cylinder, electrohydraulic control for easy material thickness adjustment through angle of attack.

Power system: A 10 kW, tractor-mounted, hydraulically-powered, generator has a primary purpose of providing screed heat. Secondary 120V AC power is available through a circuit breaker-protected, duplex power outlet.

Heat: Multiple unitized, SureHeat® heat elements, on the main screed and on each extendible section, provide fast, even heat distribution to the entire screed base regardless of extension position.



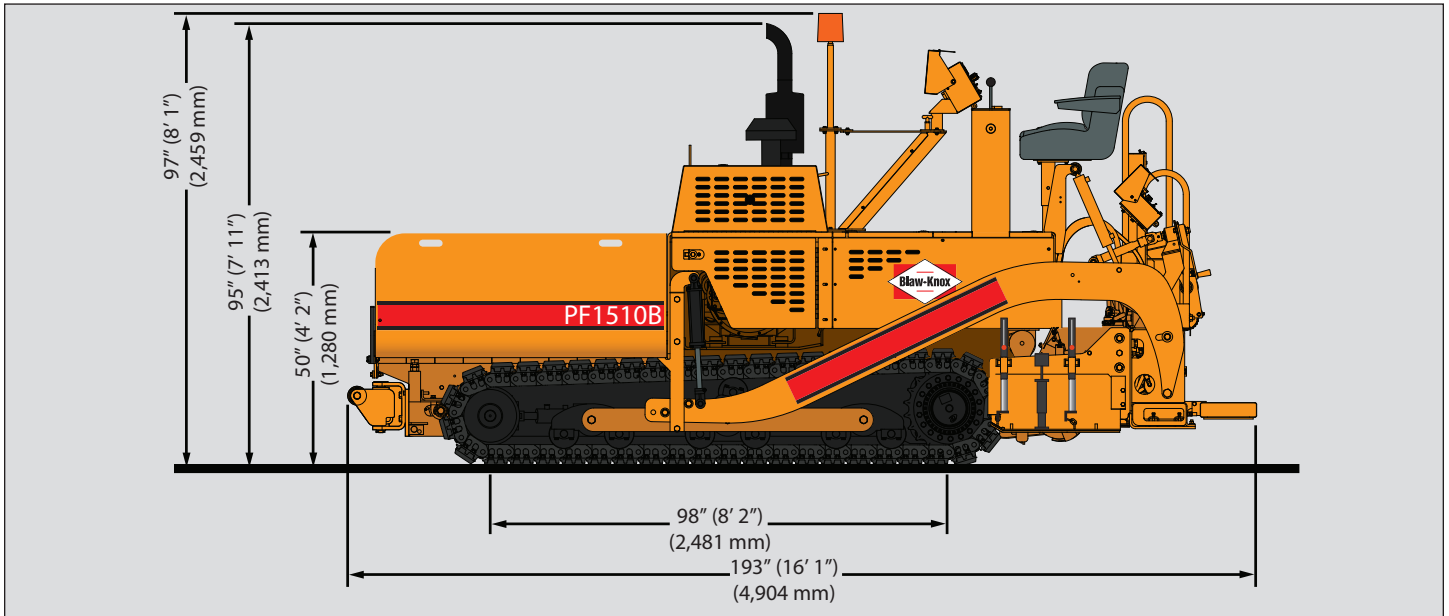
OPTIONAL EQUIPMENT

- ✓ Power tunnels
- ✓ Truck hitch
- ✓ 1' Auger extensions LH & RH
- ✓ Additional cutoff plate & extension
- ✓ Operator's umbrella
- ✓ Wired screed remotes

- ✓ Topcon System P-32 dual grade
- ✓ Topcon System P-32 dual grade & slope
- ✓ Screed remotes
- ✓ Material indicator kit
- ✓ 1' Heated extensions



SPECIFICATIONS



May depict optional Equipment.

PF-1510B

Tractor Width (hopper sides up)	8' 2" (2.5 m)
Tractor Width (hopper sides down)	10' 2" (3.1 m)
Paving Depth	¼" - 6" (6 - 152 mm)
Paver Capacity	8 T, 129 ft ³ (7.1 t, 3.7 m ³)
Gage Width (center to center of tracks)	76.5" (1,943 mm)
Track Length	98" (2.5 m)
Turning Radius	Turns within its footprint
Length - Overall with WL Screed	16' 1" (4.9 m)
Weight - Tractor Only	17,800 lb (8,074 kg)
Weight - Total with WL Screed	21,075 lb (9,559 kg)
Electrical System	12 volt, negative ground with 120 amp alternator. Wiring is color coded and harness wrapped in polyethylene looms for maximum durability.
Hydraulic System	51 gallons (193 L) reservoir capacity.
Washdown System	A pressurized, 7-gallon (26 L) release agent washdown system with 25' (7.6 m) hose and spray valve/nozzle, mounted on a self-storing, spring retracting hose reel.
Fuel Capacity	45 gallons (170L)



PF-161C



PF-150C



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