



PF-2181

Blaw-Knox Pavers



*Moving the
World Forward*

Perfect placement on a variety of materials

The Ingersoll Rand Blaw-Knox PF-2181 is a wheel-mounted, mid-sized, heavy-service paver / finisher capable of placing bituminous base, binder, and surface course mixes, cement, or lime-stabilized sub-base, and graded aggregate materials. New standard features, equipment choices, and options offer superior quality control, increased productivity, and even greater reliability — all while greatly reducing required maintenance time and cost compared to competitive machines and earlier models.

MODEL	PF-2181
MACHINE DIMENSIONS	
Basic Screed Width – ft (m)	8' (2.44)
Max Paving Width – ft (m)	21' (6.4)
Paving Depth – in (mm)	1/4" – 12" (6.35 – 304.8)
Hopper Capacity – t (T) / cu ft (m ³)	11 (10) / 182 (5.15)
Gauge Width, Center To Center Of Drive Wheels – in (mm)	71-1/4" (1810)
Wheelbase – in (mm)	89" (2260)
Travel Height With Exhaust – ft (m)	10' 4" (3.15)
Width, Hopper Sides Up – ft (m)	8' 2-1/2" (2.5)
Width, Hopper Sides Down – ft (m)	10' 4" (3.15)
Length, Wedge-Lock Screed – ft (m)	18' 8" (5.73)
Length, OmniScreed IA – ft (m)	19' 6" (5.95)
Length, UltiMat 16 – ft (m)	21' 4" (6.5)
ENGINE	
Make / Model	Cummins QSB 5.9-30T
Horsepower @ 2,100 rpm – hp (kW)	158 (118)
Electrical System	12 V, negative ground, 130 A alternator
PROPULSION	
Paving Speed – fpm (m/min)	260 (79.2)
Travel Speed – mph (km/h)	8.5 (13.7)
Rear Suspension (2) 16" x 24" low-pressure, sand rib, high-flotation tires, hydroflated to 75%	
Front Suspension (4) 12" x 22" solid rubber tired wheels, offset tandem bogie frame	
WEIGHTS	
Tractor Only – lb (kg)	24,400 (11068)
With Wedge-Lock Screed – lb (kg)	27,650 (12542)
With Wedge-Lock Screed & 2.5/5 Hyd. Extns. – lb (kg)	28,000 (12701)
With OmniScreed IA – lb (kg)	29,350 (13313)
With UltiMat 16 – lb (kg)	32,000 (14515)
MISCELLANEOUS	
Cooling Capacity – qt (L)	25.5 (24)
Fuel Capacity – gal (L)	54 (204)
Hydraulic Reservoir Capacity – gal (L)	54 (204)

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

SCREED CHOICES

- 8' Wedge-Lock® screed with optional modular extensions to extend paving width up to a standard maximum of 21'; diesel heat
- 8' Wedge-Lock screed with 2.5/5 hydraulic extensions can extend paving widths up to 13'; optional modular extensions for the telescoping sections increase maximum paving width to 15'; diesel heat; hydraulic extensions are not equipped with heat and vibration
- 8' power extendible OmniScreed® IA has a maximum, fully screeded extended paving width of 13' 1-1/2"; optional modular Wedge-Lock extensions increase paving widths to 17' 2"; diesel-heated
- 8' power extendible UltiMat® 16 screed has a maximum extended paving width of 16'; optional modular extensions increase maximum paving widths to 18'
 - Equipped with a patented, high-efficiency electric heating system
 - Screed has 4 heating zones for even distribution
 - Temperature control automatically maintained by patented Energy Management System

ADDITIONAL FEATURES

- Hydrostatic direct traction drive eliminates approximately 70% of mechanical drivetrain components
- Easy access to electrical circuit boards ensures that service procedures are faster and easier
- Central hydraulic valve block with interchangeable cartridge valves speeds service access and simplifies troubleshooting
- Unitized rear-feed section speeds service access to all major feeder system components by approximately 50%
- The most extensive selection of state-of-the-art equipment options automate and improve the quality of your HMA paving operation

PERFORMANCE FEATURES

- Low-pressure tires are exclusive to Blaw-Knox and provide a larger footprint for better flotation and traction
- Offset bogie front suspension is exclusive to Blaw-Knox and distributes the weight of the front end more evenly for better traction
- Clamp-in conveyor floor plates are also exclusive to Blaw-Knox and reduce maintenance time required, making them a vastly superior alternative to traditional bolt-in designs
- Maintenance-free sealed auger and conveyor bearings eliminate daily greasing
- High-efficiency 16" augers are 3/4" thick for better delivery and longer wear; patented power-adjustable height of 4.5" – 11" permits the operator to quickly adapt to varying job requirements
- Dual operator consoles allow operators the convenience and control to work safely with the best visibility
- 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
- Built-in easy slide auger tunnels quickly accommodate paving widths up to 12' without additional components

AVAILABLE OPTIONS

- Additional operator's umbrella
- Auger and auger guard extension kits
- Back-up alarm
- Blaw-Kontrol® II
 - Mechanical grade sensor
 - Mobile reference systems
 - 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
- Mixer / agitator
- Tower lighting kit
- Truck hitch



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