



# PF-3172

*Blaw-Knox Pavers*



*Moving the  
World Forward*

# Designed for high performance and efficiency

The Ingersoll Rand Blaw-Knox PF-3172 is a high-capacity, wheel-mounted paver / finisher capable of placing bituminous base, binder, and surface course mixes, cement- or lime-stabilized sub-base, and graded aggregate. Practical production rate capability is approximately 780 tons per hour, roughly 35 percent of the machine's theoretical capacity.

MODEL	PF-3172
<b>MACHINE DIMENSIONS</b>	
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 <sup>3</sup> )	11.4 (10.3) / 182 (5.15)
Gauge Width, Center To Center Of Drive Wheels – in (mm)	89-1/2" (2273)
Wheelbase – in (mm)	90" (2286)
Travel Height With Exhaust – ft (m)	10' 4" (3.15)
Width, Hopper Sides Up – ft (m)	10' (3.05)
Width, Hopper Sides Down – ft (m)	10' 4" (3.15)
Length, Wedge-Lock Screed – ft (m)	18' 9" (5.72)
Length, OmniScreed III – ft (m)	19' 8" (5.99)
Length, UltiMat 20 – ft (m)	21' 4" (6.5)
<b>ENGINE</b>	
Make / Model	Cummins QSB5.9-30-T, Tier 2
Rated Power @ 2,100 rpm – hp (kW)	158 (117.8)
Electrical System	12 V, negative ground, 130 A alternator
<b>PROPULSION</b>	
Paving Speed – fpm (m/min)	227 (69.2)
Travel Speed – mph (km/h)	9.8 (15.8)
Rear Suspension	(2) 16" x 24" low-pressure, sand rib, high-flotation, hydroflated tires
Front Suspension	(4) 12" x 22" solid rubber-tired wheels
<b>WEIGHTS</b>	
Tractor Only – lb (kg)	25,370 (11508)
With Wedge-Lock Screed – lb (kg)	29,870 (13549)
With OmniScreed III – lb (kg)	32,390 (14692)
With UltiMat 20 – lb (kg)	33,330 (15118)
<b>MISCELLANEOUS</b>	
Cooling Capacity – qt (L)	25.5 (24.1)
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

- 10' Wedge-Lock® screed with optional modular extensions can extend paving widths up to 21'; heating choices of diesel or electric
- 10' Wedge-Lock screed with 3/6 hydraulic extensions can extend paving widths up to 16'; optional modular extensions for the telescoping sections increase maximum paving width to 18'; heating choices of diesel or electric; hydraulic extensions are not equipped with heat and vibration
- 10' power extendible OmniScreed® III has a maximum, fully screeded, extended paving width of 18'; optional modular Wedge-Lock extensions increase maximum paving width to 24'; diesel-heated
- 10' power extendible UltiMat® 20 screed with a maximum extended paving width of 20'; optional modular extensions increase maximum paving width to 21'
  - 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 to 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
- Approximately 90% of the wear parts on 10' pavers are common to other Blaw-Knox pavers in their class

## 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
- Power flight augers
- Tower lighting kit
- Truck hitch



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