



Blaw-Knox PF-6160 · PF-6170

Wheeled Pavers



*Moving the
World Forward*

We're as dedicated to paving as you are

The new highway-class pavers from Ingersoll Rand have been designed with global technology and customer input to include independent auger and conveyor systems, automatic conveyor tensioning, and a patented front-wheel suspension — all to take you to the next level of paving. But there is also something familiar about these pavers — from their large footprint to their simple controls. They're built with a heritage of 75 years of Blaw-Knox and 60 years of ABG experience: the same worldwide resources and commitment to reliable performance that have made Ingersoll Rand the name to trust in the road equipment industry.



Introducing innovation and technology for a new level of paving performance



Tractive effort

The PF-6160 is designed without front-wheel assist (FWA). The PF-6170 comes standard with two-wheel FWA, and optional industry-leading four-wheel FWA. The FWA includes load-dependent torque control to optimize tractive effort and minimize slippage.



Unsurpassed operator comfort

The operator seats extend beyond the edge of the machine for improved visibility. Each operator seat can be adjusted forward or rearward, and each console rotates and adjusts at two pivot points for enhanced operator comfort.



Improved material flow control

Independent control of the auger and conveyor provides optimal control of material flow. Sonic sensors are used to control each of the two auger and conveyor drives while a priming function simplifies the filling of the auger tunnel. Reversible augers and conveyors are available.



Paver-mounted 30-kW generator

Standard on all models, a 30-kW generator has been integrated into the machine to electrically heat the screed while providing plenty of power for auxiliary applications such as lighting or other jobsite tools.



Ease of operation

Automatic tensioning of the chains ensures the proper performance of the conveyor system — saving maintenance time and costs.

New Ingersoll Rand highway-class pavers, des

Job specifications and requirements are impacted by global influences, and Ingersoll Rand has developed a new line of pavers incorporating technology and innovation from around the world. As an industry-leading manufacturer of paving and compaction products, Ingersoll Rand has designed the PF-6160 and the PF-6170 with proven components and systems to offer pavers that give you a competitive edge.

Ease of use

The intuitive control panel places all controls within the reach of the operator, while keeping the design simple and reliable with toggle switches, a single diagnostic panel, and a steering wheel.



▲ Power tunnel synchronization

Standard, two-stage power tunnels operate from the tractor or from the screed and are synchronized to retract in conjunction with the screed. Tunnel extension ranges from 10' to 16' 3".



Screed versatility

Multiple screed configurations are available on the PF-6160 and PF-6170 tractors, including vibratory with front- or rear-mounted extensions. Also available are high-density, single- or dual-tamping screeds with vibration.

Efficient screed heating

All screeds for the PF-6160 and PF-6170 pavers are heated electrically with heater bar technology, reducing set-up and heating times. The heat bars are interchangeable and can be replaced without removing the screed plate.

igned with innovation from around the globe

Onboard diagnostic system ▶

An integrated diagnostic panel provides clear error readouts for quick problem diagnosis and less downtime. It also retrieves and stores error logs for further analysis.



Lower operating costs

The Blaw-Knox PF-6160 and PF-6170 pavers are powered by quiet, efficient 205 hp Cummins QSB6.7 Tier 3 diesel engines that operate at 1,800 rpm to provide better fuel economy and lower operating costs.

Level-load steering

The Blaw-Knox wheeled pavers are equipped with a level-load suspension system to improve stability and extend the life of the bogey wheels.



Better flotation

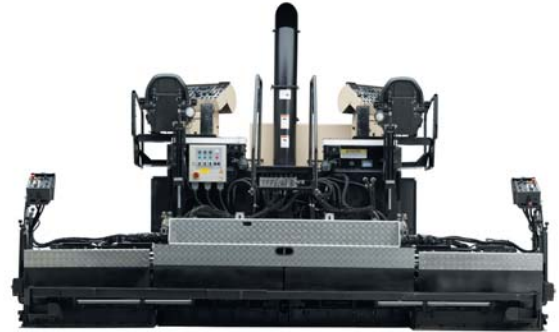
The PF-6160 and PF-6170 utilize low-pressure tires, exclusive to Ingersoll Rand, providing a larger footprint flotation and better traction.

Easy access to cooling system

The variable speed cooling fan provides on-demand cooling, reducing engine power stress and providing quiet operation. The tiered design of the radiator supplies easy access and serviceability.

Blaw-Knox screeds — matched to your application

Gain an advantage with the versatility of Blaw-Knox screeds. Two platforms and six different configurations allow you to choose the screed to meet your job requirements and fit your budget. Attach a high-density screed to your PF-6000 Series paver for base or difficult jobs; switch to a high-production vibratory screed for routine projects.



HIGH-PRODUCTION

- Omni 300** – Fixed screed
- Omni 306** – Fixed screed w/ strike-offs
- Omni 318** – Power extendible screed

HIGH-DENSITY

- Omni 1000** – Vibratory screed
- Omni 1010** – Vibratory / single-tamper

FRONT-MOUNTED EXTENSIONS	OMNI 300	OMNI 306	OMNI 318
Vibration / Tamping System	Vibratory	Vibratory	Vibratory
Basic Screed Width – ft (m)	10 (3.05)	10 (3.05)	10 (3.05)
Standard Paving Width – ft (m)	10 (3.05)	10 – 16 (3.05 – 4.88)	10 – 18 (3.05 – 5.49)
Max Paving Width – ft (m)	26 (7.92)	26 (7.92)	26 (7.92)
Paving Depth – in (mm)	0.25 – 12 (6 – 305)	0.25 – 12 (6 – 305)	0.25 – 12 (6 – 305)
Screed Width – in (mm)			
Main	18 (457)	18 (457)	18 (457)
Optional	25 (635)	25 (635)	25 (635)
Extensions (front to rear)	N/A	6.375 (162)	18 (457)
Screed Plate Thickness (All) – in (mm)	0.5 (13)	0.5 (13)	0.5 (13)
Screed Weight – lb (kg)	4,530 (2055)	6,115 (2774)	7,550 (3425)

REAR-MOUNTED EXTENSIONS	OMNI 1000	OMNI 1010
Vibration / Tamping System	Vibratory	Vibratory / Single Tamper Bar
Basic Screed Width – ft (m)	9.8 (3)	9.8 (3)
Standard Paving Width – ft (m)	9.8 – 19.7 (3 – 6)	9.8 – 19.7 (3 – 6)
Max Paving Width – ft (m)	26.2 (8)	26.2 (8)
Paving Depth – in (mm)	0.25 – 12 (6 – 305)	0.75 – 12 (20 – 305)
Screed Width – in (mm)		
Main	17.7 (450)	17.7 (450)
Optional	25 (635)	N/A
Extensions (front to rear)	17.7 (450)	17.7 (450)
Screed Plate Thickness (all) – in (mm)	0.59 (15)	0.59 (15)
Screed Weight – lb (kg)	8,818 (4000)	9,039 (4100)

Designed for the customer, by the customer

While we put all of our global engineering resources into these pavers, we also sought input from our customers to help us better understand the challenges contractors face on a daily basis.

You're not just buying equipment — you're investing in the future of your business. We're committed to serving you after the sale through our dealer support system and their understanding of the paving industry. Working together, Ingersoll Rand and your dealer protect the value of your investment by providing financial solutions, Road Institute training, and aftermarket support. Make Ingersoll Rand your equipment manufacturer of choice.

MODEL	PF-6160	PF-6170
MACHINE DIMENSIONS		
Basic Screed Width – ft (m)	10 (3.05)	10 (3.05)
Max Paving Width – ft (m)	26 (7.92)	26 (7.92)
Paving Depth – in (mm)	0.25 – 12 (6.35 – 304.8)	0.25 – 12 (6.35 – 304.8)
Hopper Capacity – t (T) / cu ft (m ³)	14.38 (13.04) / 230 (6.51)	14.38 (13.04) / 230 (6.51)
Weight Of Tractor Only – lb (kg)	36,122 (16385)	36,122 (16385)
w/ Omni 300	40,352 (18303)	40,652 (18439)
w/ Omni 306	41,937 (19022)	42,237 (19158)
w/ Omni 318	43,370 (19672)	43,670 (19808)
w/ Omni 1000	44,640 (20248)	44,940 (20384)
w/ Omni 1010	44,861 (20349)	45,161 (20485)
Track Length / Wheelbase – in (mm)	103 (2616)	103 (2616)
Operating Height – in (mm)	140 (3556)	140 (3556)
Width - in (mm) Hopper Sides Up	118 (2997)	118 (2997)
Hopper Sides Down	129 (3277)	129 (3277)
Inside Hopper Width – in (mm)	127 (3226)	127 (3226)
Max Tractor Length – in (mm)	206 (5232)	206 (5232)
ENGINE		
Make / Model	Cummins QSB 6.7 Tier 3 electronic engine with CAC	Cummins QSB 6.7 Tier 3 electronic engine with CAC
Horsepower @ 1,800 rpm – hp (kW)	205 (153)	205 (153)
PROPULSION		
Suspension	2-speed planetaries, 2-speed drive motors	2-speed planetaries, 2-speed drive motors, optional 4-wheel FWA
Drive Tire Size – in (mm)	18 x 25 (457.2 x 635)	18 x 25 (457.2 x 635)
Front Wheel Size – in (mm)	14 x 22 (356 x 559)	14 x 22 (356 x 559)
Traction Drive	Hydrostatic direct drive	Hydrostatic direct drive
Paving Speed – fpm (m/min)	297 (90.5)	297 (90.5)
Travel Speed – mph (km/h)	12 (19.3)	12 (19.3)
MISCELLANEOUS		
Fuel Tank Capacity – gal (L)	80 (303)	80 (303)
Hydraulic Tank Capacity – gal (L)	62.5 (236.6)	62.5 (236.6)
Auger Diameter – in (mm)	17 (432)	17 (432)
Adj Height Augers – in (mm)	4.5 – 9.5 (114.3 – 241.3)	4.5 – 9.5 (114.3 – 241.3)

AVAILABLE OPTIONS

3-function screed assist	Material indicator
Air intake screen	Reversible augers
Balloon light kit	Reversible conveyors
Beacon	Screed lock
Blaw-Kontrol	Screed remote control
Floating beam	Special paint
Flood light	Truck hitch
Material containment baffles	Ultra 4 reference kit





Experience the power of Ingersoll Rand construction and road building equipment, industry-leading support, and service. Whatever your job, Ingersoll Rand has the solution from pavers and compactors, portable air compressors, light towers and generators, earthmoving equipment, material handlers, and concrete equipment to attachments. Running a successful business takes more than powerful equipment. That's why Ingersoll Rand partners with an experienced global dealer network to stand beside you every step of the way.

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