



## CR452 RUBBER TIRE ASPHALT PAVER



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**Features:**

- 10 ft (3.0 m) commercial and mainline paver
- Turbocharged 220 hp Tier 3 diesel engine
- Power-tilt hood with integral radiator
- Proportional feed control
- Up to 28 ft (8.5 m) paving widths
- Patented Frame Raise System
- Patented Three-Point Suspension
- Fume-recovery system mitigates fumes

# CR452 Rubber Tire Paver

## Tractor

- All-welded mainframe construction
- 23.1 x 26 in (586 x 660 mm) rear drive tires
- Oscillating front wheel bogie assemblies
- Two-wheel drive or front wheel assist
- Automatic hydraulic front wheel alignment
- Hydraulic power steering
- Differential lock
- Direct hydrostatic drive
- Three-Point suspension
- Adjustable spreading auger height via frame raise
- Oscillating push rollers or truck hitch
- Power-tilt hood with integral radiator
- Fume-recovery system mitigates fumes
- Adjustable material retaining plates
- Operator's umbrella

## Screed

- Screed assist (Stretch 20<sup>®</sup>)
- One-piece hardened steel screed plate
- Hydraulically adjustable screed vibrators
- Electric heat or oil heaters
- Manual and hydraulic power mat depth control
- Hydraulic power crown control
- Power match height adjustment (Stretch 20 and VersaScreed<sup>®</sup> 210)
- Vertically adjustable screed end gates
- Hydraulic screed lift with mechanical screed lock

## Feed System

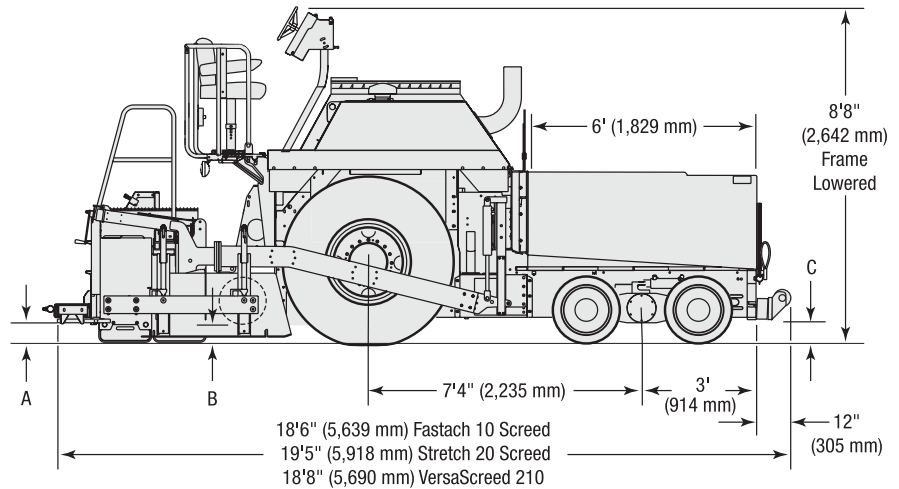
- Reinforced, sealed, tilting hopper wings with beveled corners
- Dual power-adjustable feed gates
- Reversible slat conveyor bars
- 3.075 in (78 mm)-pitch offset-link roller slat chain with hardened 8-tooth slat drive sprockets
- Conveyor bearings outside of tunnel for long life
- Long-wear #140 chain for slat and auger drive
- Independently controlled right and left feed systems
- System interlocks stop feed when paver stops

## Controls

- Operator swing console with spring-loaded center lock and variable-position cam lock
- Full instrumentation gauges
- Electric-over-hydraulic propel control steering wheel with dial-in working speed
- Lockout/tagout capable E-stop and master electrical switch

## Hydraulic System

- Engine-mounted, enclosed, Poly Chain<sup>®</sup> belt pump drive
- Variable-displacement pumps for tractor drives, right and left feed systems and auxiliary circuits
- Fixed-displacement pump for vibrator circuit with flow control valve for frequency adjustment
- Centralized filter locations
- Remote control solenoids with function-check LED



	A	B	C
	Screed Clearance	Auger Clearance Screed Up	Auger Clearance Screed Down
Frame Raised	14 in (356 mm)	8 in (203 mm)	10 in (254 mm)
Frame Lowered	8 in (203 mm)	3 1/2 in (89 mm)	5 1/2 in (140 mm)
			Frame Clearance
			5 in (127 mm)
			6 in (152 mm)

## Paver

Paver width	10 ft 4 in (3.15 m)
Paving width (std)	10 ft (3.05 m)
Paving width (max)	28 ft (8.5 m)
Paving depth (max)	12 in (305 mm)
Paving speed (max)	290 ft/min (88 m/min)
Travel speed (max)	10.1 mph (16.2 km/hr)
Drive tires	16-ply 23.1 x 26 in (586 x 660 mm)
Front wheels	16 in wide x 22 in dia (406 x 559 mm)
Brakes	hydrostatic steering; multiple disc parking

## Weight\*

Tractor	30,595 lbs (13,878 kg)
with Fastach <sup>®</sup> 10 and hydroflated tires	34,595 lbs (15,692 kg)
with VersaScreed 210 and hydroflated tires	39,470 lbs (17,903 kg)
with Stretch 20 and hydroflated tires	38,495 lbs (17,461 kg)

\*Weights are based on average shipping weights.

## Engine

Make/Model	Cummins QSB6.7
Type	Tier 3 turbocharged diesel
Horsepower	220 hp (164 kW) @ 2200 rpm
Electrical	105 amp, 12 vdc

## Capacities

Diesel fuel	72 gal (273 L)
Hydraulic oil	75 gal (284 L)
Cooling system	6.5 gal (25 L)

## Spreading Auger Sections

Construction	Cast, high alloy
Diameter	16 in (406 mm)
Thickness	5/8 in (16 mm)

## Hopper

Length and width	6 ft x 10 ft 4 in (1,829 x 3,150 mm)
Volume	219 ft <sup>3</sup> (6.2 m <sup>3</sup> )
Capacity	14 tons (12.7 tonnes)
Feed tunnel width (each)	30 in (762 mm)
Slat liners (thickness)	3/8 in (9.5 mm)

## Screed

Screed plate	34 in x 10 ft (864 x 3,048 mm)
Thickness	1/2 in (12.7 mm)
Positive crown (hydraulically powered)	3 in (76 mm)
Negative crown (hydraulically powered)	1 in (25 mm)
Vibrations per minute (max)	3,000
Heaters	
Fastach 10 (two oil heaters)	178,000 BTU (total) 1.3 gph (4.9 liters/hr)
VersaScreed 210 (electric heat)	34 kW generator
Stretch 20 (four oil heaters)	274,000 BTU (total) 2.0 gph (7.6 liters/hr)
Stretch 20 (electric heat)	34 kW generator

## Optional Equipment

- Stretch 20 screed with electric or oil heat
- VersaScreed 210 with electric heat
- Fastach 10 screed with electric or oil heat
- Generation 3 proportional or sonic material feed control
- Mechanical or sonic grade and slope control
- Multi-foot grade reference system
- Sonic averaging system
- Proportional steer assist
- Material feed package
- Bevel guide plates
- Cutoff shoes, 12 in (305 mm) and 24 in (610 mm) sections
- 30 ft (9,144 mm) hose reel for spray-down
- Back-up alarm
- Additional umbrella
- 500-hour filter kit

Effective Date: March 2008. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks, or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2008 Terex Corporation.

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