



# BB621E

## Track-Type Asphalt Paver

### Specifications

#### Four-Cylinder Diesel Engine, Stage IIb Compliant

Model	Cat® C2.2
Gross Power (ISO 13496) @ 2400 rpm	34.1 kW/46 hp
Bore	84 mm (3.3")
Stroke	100 mm (3.93")
Displacement	2.2 liter (5.8 gal)

All engine horsepower (hp) are metric.

#### Transmission

Track drive is obtained by two independent hydrostatic systems. Each system transmits motion to the track system through a variable displacement pump and a two-speed hydraulic motor.

An electro-hydraulic servo-control consents machine starting and stopping operations (for asphalt supply) with no preset working speed variations.

#### Steering

An automotive-type steering wheel is used to control direction. The steering wheel controls the variable displacement pumps electric servo controls guaranteeing a gradual and precise steering.

#### RB260 Electric Screed

The electric heated screed is powered by an onboard generator with independent temperature control in all four sections. Three heating elements for each screed section ensure uniform heating over the entire screed plate.

Hydraulic Power Extendible Screed	1.40 - 2.60 m (4' 7" - 8' 6")
Max. Width with Mechanical Extensions	3.40 m (11' 2") (Optional)
Paving Width Reduction, Optional	1.40 - 0.50 m (4' 7" - 19")
Soothing Plate Width	245/210 mm (9.6"/8.2")
Soothing Plate Vibration Frequency	3400 rpm (56.7 Hz)
Crown Adjustment	+ 4.5% to - 2.5%

#### Material Feeding System

The hoppers are hydraulically operated and independently controlled facilitating applications close to walls or other vertical objects.

The asphalt mix is carried to the screed by a heavy-duty steel conveyor and is distributed by two independently controlled augers, with reversible rotation. Three automatic material feed sensors provide correct amount of material to the screed.

Augers can be hydraulically raised to avoid obstacles, facilitate machine loading on trailer and assembly of the paving width reduction option group. Conveyor and augers are reversible.

#### Operating and Shipping Specifications

Operating Weight with RB260 Screed	4500 kg (9,920 lbs)
Ground Pressure (hoppers empty)	0.68 kg/cm <sup>2</sup>
Hopper Capacity (tunnel included)	3.1 m <sup>3</sup> (109 cu. feet)
Hopper Discharge Height	
at centre	490 mm (19")
at sides	525 mm (20.5")
Ground Clearance	185 mm (7")
Maximum Production	80 t/h
Mat Thickness	5 - 200 mm (0.2" - 7.9")
Maximum Speeds (forward and reverse)	
Paving	0 - 33 m/min (0 - 1.2 mph)
Travel	0 - 3.2 km/h (0 - 19.8 mph)
Inside Turning Radius	0.70 m (27.5")

#### Operator's Platform

The operator drives the paver from the platform positioned behind the screed. The console panel is fully equipped with comprehensive controls allowing a single operator to conveniently monitor all machine functions.

The operator platform is fitted with an operator presence detector enabling machine functions when the operator is in the driving position.

#### Service Refill Capacities

Fuel Tank	65 liter (17 gal)
Hydraulic Tank	73 liter (19 gal)
Ecological Liquid	17 liter (4.5 gal)

#### Brakes

Service Brake	Closed-loop hydrostatic drive
Parking Brake	Mechanical multi-disk spring applied

#### Electrical System

The 12-volt electrical system is designed for improved durability, reliability and ease of service. Wires are colour-coded and loomed with vinyl-coated nylon braid to improve overall integrity of the electrical system and to protect against abrasion.

The onboard belt driven generator provides 12 kW @ 240 VAC output to power screed heating.

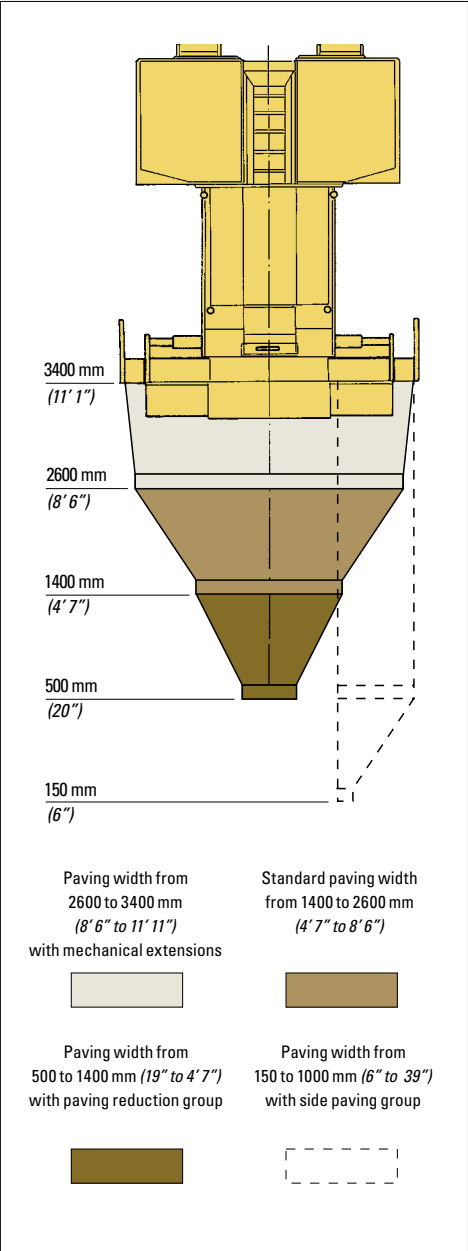
Work lights are standard machine configuration.



# BB621E - A Compact and Highly Versatile Paver.

With a single operator, the BB621E meets all requirements for small and medium sized jobsites. Easy, simplified driving – with controls which give precise, immediate response.

The BB 621E is a compact, extremely versatile paver finisher, ideal for small jobsites in urban centers. For sidewalks, cycle paths, playgrounds, trench back filling and all maintenance and repair work, where it shows its notable qualities and features. This paver is designed to operate in limited spaces, thanks to its compactness and exceptional maneuverability.



On request, the BB621E paving width can be reduced to a minimum width of 500 mm (19"). This option is used to great advantage in urbanization work.

When the trench is at the side of the road, adjacent to fencing, walls and ditches the machine can be equipped with a side paving group. This option enables the machine to pave on the right, from 150 to 1000 mm (6" to 39"), outside the machine's mainframe.

The machine is set up to use both the grade control and the slope control available on request.

BB621C with LPG heated screed shown.



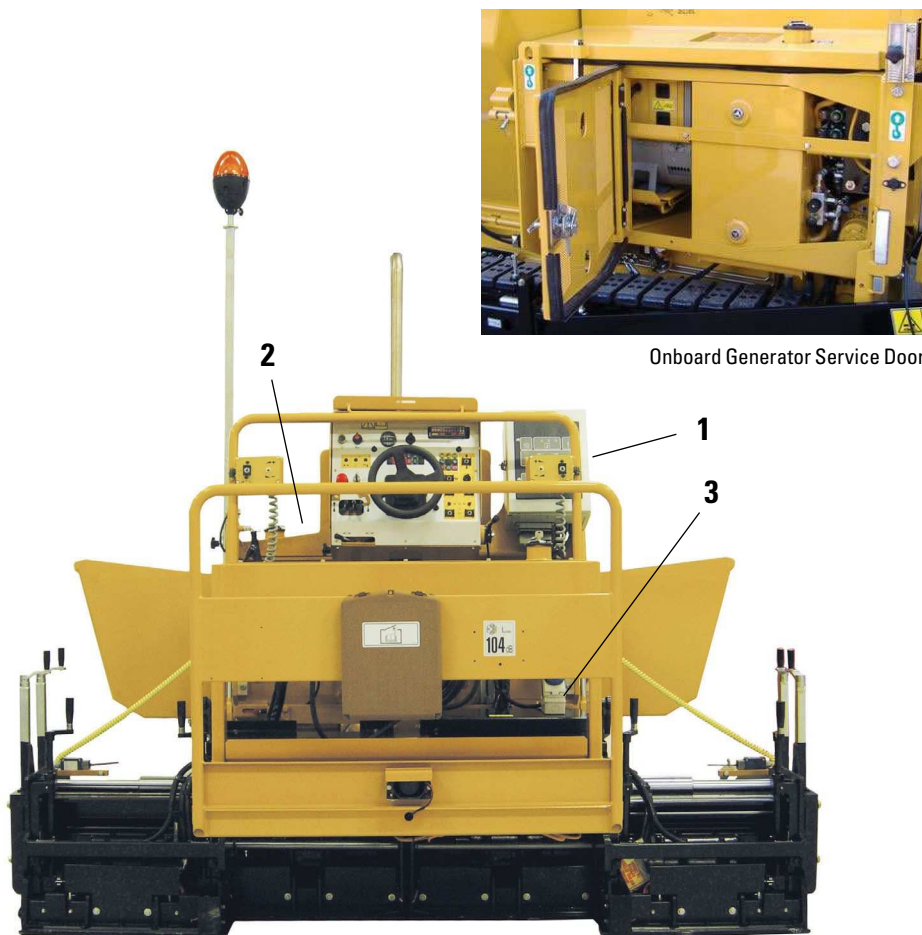
Options that enhance the operating potential and paving width flexibility for the BB621E.

- Central Paving
- Side Paving
- Paving Extensions with Mechanical Extensions

The machine's tracked undercarriage, fitted with heavy-duty rubber bonded pads, provides excellent stability and weight distribution minimising the negative effect of an uneven base. Track tension is assured by two grease pistons with a shock absorbing system.



## Productivity and Reliability in a Small Durable Package.



Onboard Generator Service Door

### Friendly Electric Heating System

The system provides a tractor-mounted generator, replaceable heating elements and operator friendly controls providing a cleaner environment.

### Features & Benefits

- Simple operation
- Fast heat-up time
- Multi-zone heating elements
- Thermostatic and independent control of all screed plates.

Heavy-duty, user-friendly screed heating control unit with self-diagnostic control is positioned beside the control console.

Mechanical screed extensions are also equipped with electric heating elements.

1. Electric Heat Screed Control Panel
2. Onboard Generator
3. Auxiliary Power Socket (1.5 kW @ 240 V)

The BB621E ensures excellent access to all machine parts requiring scheduled maintenance. Large access doors provide quick and easy inspection of main components.

Comprehensive control console permits the operator to have complete control of all machine operations at his finger-tips.

An automotive-type steering wheel simplifies operation and promotes ease of use.

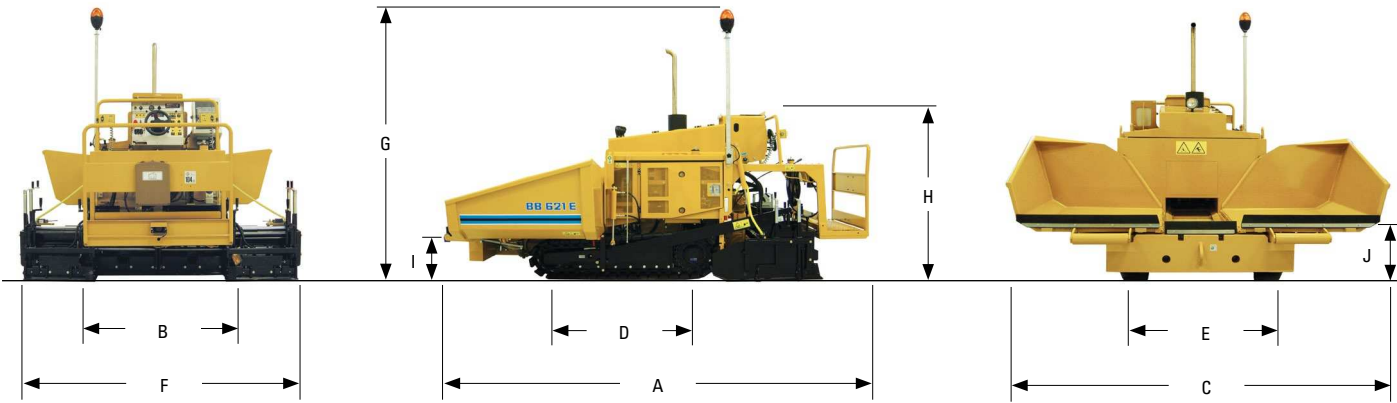
The steering system guarantees modulated, precision steering and a small turning radius. The ECM controls propel and steering.



# BB621E Track-Type Asphalt Paver

## Dimensions

All dimensions are approximate.



A	Overall Length with Screed	4040 mm (13' 3")
B	Transport width with screed end gates (hoppers raised)	1600 mm (5' 3")
C	Tractor operating width (hoppers lowered)	3050 mm (10')
D	Trackbase	1420 mm (4' 8")
	Track pad width	200 mm (7.8")
E	Track gauge width	1320 mm (4' 4")
F	RB260 width hydraulically extended	2600 mm (8' 6")

G	Operating height with rotary beacon	2600 mm (8' 6")
H	Transportation height	1800 mm (5' 10")
I	Push roller height	470 mm (18.5")
	Ground clearance	185 mm (7")
	Hopper capacity (with conveyor tunnel)	3.1 m <sup>3</sup> (109 ft <sup>3</sup> )
J	Discharge height at center	525 mm (21")
	Augers diameter	260 mm (10")

## Optional Equipment

### Controls and Grade Reference

- Contacting Grade Sensor
- Slope Control

### Screed Options

- Central Paving Width Reduction from 0.5 m to 1.40 m (20" to 4' 7")
- Right Side Paving Group from 0.15 m to 1.00 m (6" to 39")
- Extensions for 3.40 m Paving Width (11' 1")

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