



# BITELLI®

## BB 651 C

TRACKED PAVER FINISHER



The machine shown can be fitted with additional equipment

### ENGINE

Make	Deutz F5L 914
Cylinders	5
Cooling system	air
Output at 2300 rpm (ISO 3046/1)	70 kW (94 HP)
Electric system	24 V

### SPEED

1 <sup>st</sup> gear (work)	0÷20 m/min
2 <sup>nd</sup> gear (work)	0÷32 m/min
3 <sup>rd</sup> gear (travel)	0÷4.5 km/h
4 <sup>th</sup> gear (travel)	0÷7 km/h

### SCREED RB 4650

Hydraulically extending screed width	2.50÷4.65 m
with 2 extensions (0.20 m each) (optional)	max 5.15 m
with 2 extensions (0.675 m each) (optional)	max 6.00 m
LPG heating	8 burners
Tamper vibration frequency	
1000÷1850 rpm	(16.7÷30.8 Hz)
Soothing plate vibration frequency	
1000÷3400 rpm	(16.7÷56.7 Hz)

### TECHNICAL SPECS

Transmission	hydrostatic
Track base	2342 mm
Track width	300 mm
Ground pressure (hoppers empty)	1.03 kg/cm <sup>2</sup>
Inside turning radius	1.50 m
Operating weight (CECE reg.)	14500 kg
Hopper capacity (tunnel included)	10.5 t
Hopper discharge height - at centre	460 mm
- at sides	550 mm
Augers	Ø 325 mm

### PERFORMANCES

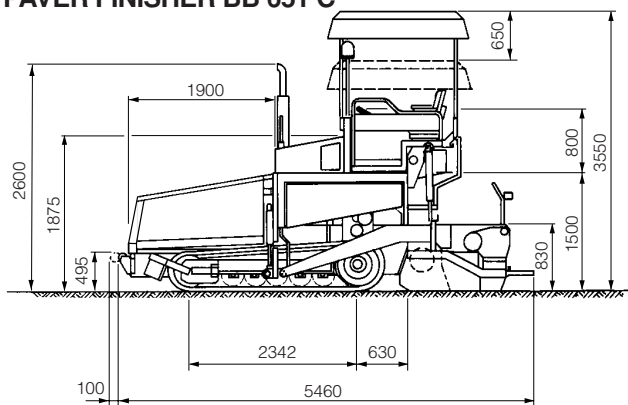
Max production	400 t/h
Mat thickness	5÷350 mm

### TANK CAPACITIES

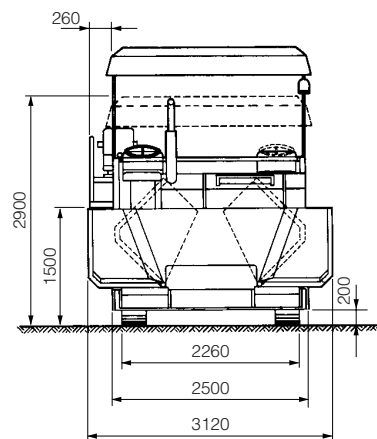
Fuel	140 l
Hydraulic oil	155 l
Ecological liquid	30 l

All top performances cannot be obtained simultaneously.

## PAVER FINISHER BB 651 C



DIMENSIONS: mm



**CARRIAGE:** machine fitted with two steel tracks and rubber shoe pads. Track tension is assured by a grease piston with a shock absorbing system.

**TRANSMISSION:** two hydrostatic transmissions are each fitted with a variable displacement pump feeding fixed displacement axial piston motors directly splined to a two speed gearbox. Planetary final reduction gears in oil bath.

An electro-hydraulic servo-control consents machine starting and stopping (for asphalt supply, etc.) with no pre-set working speed variation.

Machine steering is operated by a steering wheel that controls the variable displacement pumps electric servo-controls. This system guarantees a precise speed and direction.

**SCREED RB 4650:** consists of two central fixed plates and two lateral mobile plates, hydraulically operated, sliding on two chromed telescopic cylindrical guides. The screed plate axis allows modifications of shapes (V  $\wedge$  W M) with different camber angles between +4.5% and -2.5%. Other adjustments allow tamper travel position to be corrected due to wear.

Whenever the paver stops during work operations (for asphalt supply, etc.) the pistons lifting the screed automatically block. These pistons prevent the screed from leaving marks on the mat.

The smoothing plates, made from wear resisting indeformable steel, are heated by eight LPG burners.

The screed is fitted with electronic ignition and automatic adjustment of the smoothing plate temperature.

**SCREED ASSIST:** the screed is equipped with an electro-hydraulic device maintaining a constant screed pressure on the bituminous mix, independently from the mix bearing capacity and the paving width.

It is also possible to transfer part of the screed weight to the tracks of the machine, thus increasing machine traction.

**BRAKES:** the hydrostatic drive acts as the service brake; the safety and parking brakes are mechanical multi-disk brakes with negative hydraulic control.

**DRIVING POSITION AND CONTROLS:** fitted with two sliding platforms. Each platform is equipped with an adjustable sliding seat. The console panel, fully equipped with main operating controls and warning lights, can be positioned in both driving positions consenting an excellent view from both sides.

**HOPPER AND FEEDING SYSTEM:** the independent movement of the two side wings is obtained by means of two hydraulic cylinders.

The bottom plate of the hopper is built of abrasion-proof steel. Two conveyors, made of wear-resisting steel, are independently controlled. Two automatic stop feed devices control conveyors operation.

Material conveyed to both sides is spread by two independently controlled augers.

Rotation speed can be varied automatically to ensure a homogeneous distribution of material before the screed.

Two ultrasonic wave detectors control proportional auger movement. Augers height can be adjusted hydraulically.

A pair of auger extensions are supplied with the machine.

**ELECTRIC SYSTEM:** 24 V system with 2 batteries 100 A.h.. Complete lighting system for work and travel.

**ELECTRIC-ELECTRONIC SYSTEM:** electronic circuits governing and operating the hydraulic system ensure an exceptional machine self-government thus allowing the operator to concentrate only on driving.

*Machine meets Tier 2 (EPA U.S. standards), Step II (European standards) emissions requirements.*

### ON REQUEST:

- Folding canopy
- Automatic levelling devices:
  - Grade control - mechanical
  - Combined ultrasound grade control - electronic and mechanical
  - Digital ultrasound grade control - 5 ultrasound sensors
  - Slope control
  - Digital slope control
- Long sliding ski 6 m for grade control
- Auto-levelling ski 6 m for grade control
- Mechanical extension 3 m for auto-levelling ski
- Mechanical extension elements with tamper and auger extensions for paving widths up to 6 m
- Mechanical extension elements with tamper for paving widths up to 5.15 m
- Burners electronic ignition with automatic adjustment of extension boxes plate temperature for paving widths up to 6 m
- Reversible augers
- Rotating side screed bulkheads
- Motorized camber adjustment
- Emergency drive kit
- Biodegradeable hydraulic oil



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