



# BITELLI®

# BB 660

## PAVER FINISHER



The machine shown can be fitted with optional equipment

### ENGINE

Make	Cummins 6 BT 5.9 C Elite
6 cylinders	liquid cooling system
Output at 2200 rpm (DIN 6271)	110 kW (147.5 HP)
Fuel consumption	212 g/kW.h
Electric system	24 V

### SPEED

1 <sup>st</sup> gear (work)	0÷45 m/min
2 <sup>nd</sup> gear (travel)	0÷14 km/h

### SCREED RB 4700 VB

Hydraulically extending screed width	2.50÷4.70 m
with 2 extensions (0.70 m each) (optional)	max 6.10 m
with 2 extensions (1.00 m each) (optional)	max 6.70 m
with 4 extensions (0.70 m each) (optional)	max 7.50 m

LPG heating	8 burners
	electronic ignition

Tamper vibration frequency	
0÷1700 rpm	(0÷28.3 Hz)

Smoothing plate vibration frequency	
0÷3400 rpm	(0÷56.7 Hz)

### TECHNICAL SPECS

Transmission	hydrostatic
Steering bogie wheels	550 x 300 mm
(with drive on one front axle)	
No. 2 drive wheels	17.5-25
Steering	power steering
Turning radius - inside	3.90 m
- outside	7.00 m
Operating weight with RB 4700 VB (CECE reg.)	16000 kg
Hopper capacity (tunnel included)	11 t
Hopper discharge height - at centre	430 mm
at sides	500 mm
Augers	Ø 360 mm

### PERFORMANCES

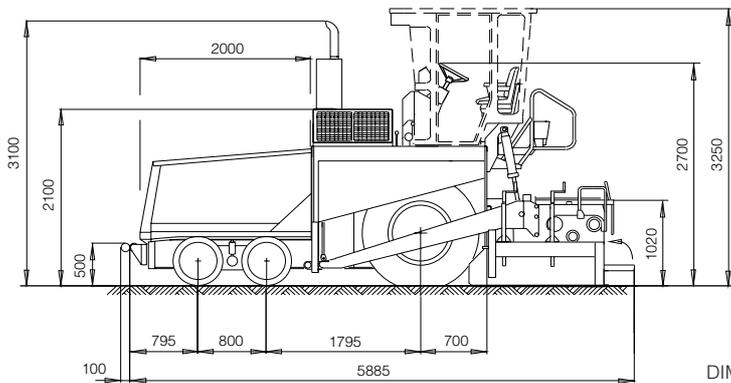
Max. production	550 t/h
Mat thickness	5÷350 mm

### TANK CAPACITIES

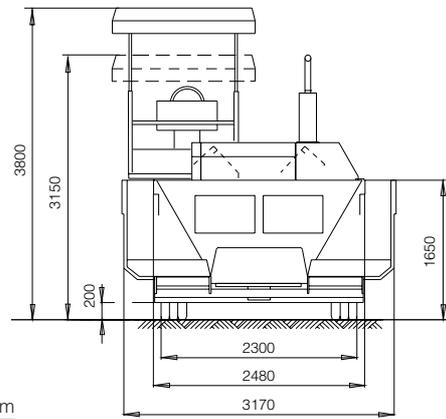
Fuel	186 l
Hydraulic oil	188 l
Ecological liquid	48 l

Maximum performances cannot be obtained simultaneously.

## PAVER FINISHER BB 660



DIMENSIONS: mm



**CARRIAGE:** triple axle carriage with two front steering axles (including one driving) and one rear drive axle.

Four steering bogie wheels are mounted to the front oscillating axle rocker arms. The rear driving axle is fitted with two large pneumatic tyres.

**TRANSMISSION:** hydrostatic. A variable displacement pump with a fixed displacement axial piston motor is directly splined to a two speed gearbox.

Self-locking differential and final reduction gears in oil bath.

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

The BB 660 is also equipped with drive on one of the front axles.

**SCREED RB 4700 VB:** the screed plate axis allows modifications of shapes (V ΛWM) with different camber angles between +4.5% and -2.5%.

Tamper and vibrator are operated automatically when the machine advances.

Tamper and vibrator follow a preset ramp when the machine begins to advance or stops.

During operation tamper and vibrator adjustment are electronically controlled and can be individually adjusted using potentiometers.

The screed is also fitted with electronic ignition and automatic adjustment of the smoothing plate temperature for central and each mobile plate.

**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 rear drive axle of the machine, thus increasing machine traction.

When the machine is stopped in "stand-by" (for asphalt supply, etc.) a weight relief pressure is automatically inserted to avoid the screed for marking the mat.

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

Parking brake is automatically applied with the machine in "stand-by" mode. When required the brakes can be released manually.

**DRIVING POSITION AND CONTROLS:** fitted with a folding canopy and an electrically controlled overhanging sliding platform for maximum view from both sides of the machine.

The console panel is fully equipped with all main operating controls and warning lights.

Controls operating tamper, vibration and screed assist are located at the rear of the machine.

All solenoid valves of the hydraulic system can be manually operated.

**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 and proportionally driven by two ultrasonic wave detectors. 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. The augers are reversible and their height can be adjusted hydraulically.

A pair of auger extensions are supplied with the machine.

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

### ON REQUEST:

- AIR-CONDITIONED and HEATED SLIDING CAB with active carbon filters
- Automatic LEVELLING devices:
  - GRADE control - mechanical
  - DIGITAL ULTRASOUND GRADE control - 5 ultrasound sensors
  - COMBINED ULTRASOUND GRADE control - electronic and mechanical
  - 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 auger extensions, wind bracing for laying widths upto 6.10 m and electronic ignition kit
- MECHANICAL EXTENSION ELEMENTS with auger extensions, wind bracing for laying widths upto 6.70 m and electronic ignition kit
- MECHANICAL EXTENSION ELEMENTS with auger extensions, wind bracing for laying widths upto 7.50 m and electronic ignition kit
- INFRA-RED JOINT HEATER
- ROTATING side SCREED BULKHEADS
- BIO-HYDRAULIC OIL



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