BITELLI®

BB 760

PAVER FINISHER

CE

The machine shown can be fitted with optional equipment

ENGINE

Make	Caterpillar 3056E ATAAC
N. of cylinders	6
Cooling system	liquid
Output at 2200 rpm (DIN 6271)	129 kW (173 HP)
Fuel consumption	225 g/kW.h
Electric system	24 V

SCREED RB 4700 E

Hydraulically extending screed width		2.50÷4.70 m
with 2 extensions (0.25 m each) (optional)		max 5.20 m
with 2 extensions (0.70 m each) (optional)		max 6.10 m
with 4 extensions (0.70 m each) (optional)		max 7.50 m
Electric heating with thermostatic electronic control		
Tamper vibration frequency	0÷1700 rpm	(0÷28.3 Hz)
Smoothing plate vibration frequency	0÷3400 rpm	(0÷56.7 Hz)

SCREED RB 4700

Hydraulically extending screed width		2.50÷4.70 m
with 2 extensions (0.25 m each) (optional)		max 5.20 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 with 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 bogey wheels	550 x 300 mm
(with drive on one front axle)	
No. 2 drive wheels	17.5-R25
Steering	power steering
Turning radius - inside/outside	3.90/7.00 m
Operating weight with RB 4700 (CECE reg.)	17800 kg
Hopper capacity (tunnel included)	11 t
Hopper discharge height - at centre/at sides	430/500 mm
Augers	Ø 360 mm

PERFORMANCES

Max. production	600 t/h
Mat thickness	5÷350 mm

SPEED

1st gear (work)	0÷60 m/min
2nd gear (travel)	0÷15 km/h

TANK CAPACITIES

Fuel	260 l
Hydraulic oil	150 l
Ecological liquid	27 l

Maximum performances cannot be obtained simultaneously.

255-00-0903-GB

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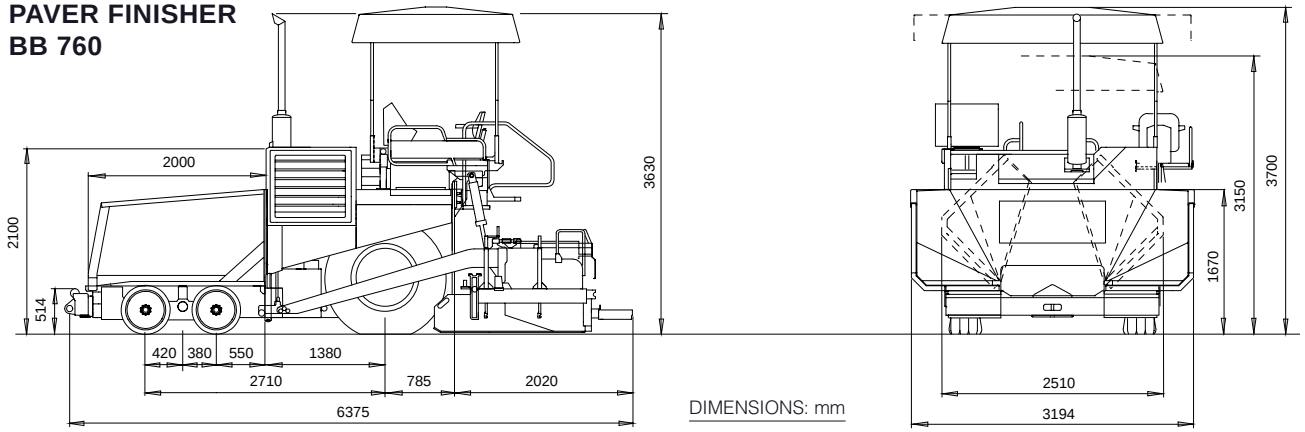

CARRIAGE: triple axle carriage with two front steering axles (including one driving) and one rear drive axle.
Four steering bogey wheels are mounted to the front oscillating axle rocker arms. The rear driving axle is fitted with two large pneumatic tires.

ENGINE and PROPEL SYSTEM: 4-stroke, 6-cylinder Caterpillar 3056E diesel engine. Turbocharged for ATAAC (Air-to-Air Aftercooling). Engine meets Tier 2 (EPA U.S. standards), Stage II (European standards) emissions requirements.
A closed-loop hydrostatic propel system drives the rear wheels with variable displacement pump and fixed displacement axial piston motor 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 preset working speed variation.

SCREED RB 4700: the screed plate axis allow modifications of shapes (V∧WM) with different camber angles between +4.5% and -2.5%.
Tamper and vibrator are operated automatically when the machine advances following a preset ramp. The tamper starting and stopping ramp can be adjusted electronically. During operation tamper and vibrator frequency are electronically controlled and can be individually adjusted using potentiometers.
The RB 4700 screed is equipped with electronic ignition and automatic adjustment of the smoothing plate temperature for central and each mobile plate.

ELECTRIC HEATED SCREED RB 4700 E: with automatic adjustment of the smoothing plate and tamper bar temperature for central and each mobile plate. Rapid screed preheating is obtained at low engine rpm for quiet operation. Heavy-duty, user friendly screed heating control unit with self-diagnostic control.

SCREED ASSIST: the screed is equipped with an electrohydraulic 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 "standby" (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 "standby" mode. When required the brakes can be released manually.

OPERATOR'S STATION AND CONTROLS: the paver can be fitted with two different operator's station configurations. Both of these configurations include a folding canopy cover. The single operator's station can be electrically positioned over the entire width of the paver whilst the dual operator station configuration includes two seats fitted on mechanically sliding semi-platforms. Operator seats and console panel are mounted on pivoting pedestals that permit the operator to rotate to the left or right for enhanced visibility.
The console panel is fully equipped with all main operating controls, propel lever, a multifunctional LCD-display, warning lights and can be positioned in both driving positions. The multifunctional LCD-display provides detailed information regarding the operating parameters of the engine.

MATERIAL HANDLING SYSTEM: the independent movement of the two hopper wings is obtained by means of two hydraulic cylinders. The bottom plate of the hopper is made from abrasion resistant steel.
Two conveyors, manufactured from abrasion resistant steel, are reversible, independently controlled and proportionally driven by two ultrasonic wave detectors. Material conveyed to both sides is spread by two independently controlled augers. Auger 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.

ELECTRIC-ELECTRONIC SYSTEM: electronic circuits governing and operating the hydraulic system ensure an exceptional machine self-government allowing the operator to concentrate on driving.
An onboard generator is fitted when the paver is equipped with the RB 4700 E electric screed. The generator provides 25 kW output to power screed heating and also optional lighting assemblies.

ON REQUEST:
- Hydraulic canopy with electric control
- Air-conditioned and heated sliding cab
- Automatic leveling devices:
  - Grade control - mechanical
  - Grade control - digital and mechanical
  - Digital ultrasound grade control
  - Digital ultrasound grade control - 5 ultrasound sensors
  - Combined ultrasound grade control - electronic and mechanical
  - Sonic ski grade control
  - Laser scanner grade control
  - Slope control
  - Digital slope control
- 6 m rigid ski for grade control
- 6 m auto-leveling ski for grade control
- Mechanical extension 3 m for auto-levelling ski
- Mechanical extension elements with tamper and auger extensions for laying widths up to 5.20 m (for RB 4700 and RB 4700 E screeds)
- Mechanical extension elements with tamper, vibrator, auger extensions, wind bracing and electronic ignition for laying widths 6.10, 6.70 and 7.50 m (for RB 4700 screed)
- Mechanical extension elements with tamper, vibrator, auger extensions and wind bracing for laying widths 6.10 and 7.50 m (for RB 4700 E screed)
- Rotating side screed bulkheads
- Motorized camber adjustment
- Infrared joint heater
- Supplementary working lights package with xenon lights (24V)
- Supplementary working lights package with halogen lights (230V)
- Centralized and automatic lubrication system for tractor and screed
- Refueling pump
- Biodegradable hydraulic oil

BITELLI®

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Nr 50 100 1344 Certified
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255-00-0903-GB