BITELLI®

BB 681 CI-M

PAVER FINISHER ON TRACKS
WITH MECHANICAL SCREED

CE

The machine shown can be fitted with additional equipment

ENGINE

Make	Cummins
Model	6 BTA 5.9 Turbo Intercooler
Cylinders	6
Cooling system	liquid
Output at 2200 rpm (ISO 1585)	138 kW (185 HP)
Electric system	24 V

SPEED

1st gear (work)	0÷24 m/min
2nd gear (travel)	0÷4 km/h

MECHANICAL SCREED with TAMPER and VIBRATOR

Main screed width	2.50 m
Maximum screed width	12.00 m
Extension boxes:	
	of 1.50 m, 0.75 m and 0.25 m
Smoothing plate width	560 mm
Heating system	LPG
Electronic ignition	with automatic temp. adjustment for
	main screed and extensions
Tamper vibration	
0÷1600 rpm	(0÷26.7 Hz)
Smoothing plate vibration frequency	
0÷3000 rpm	(0÷50 Hz)

TECHNICAL SPECS

Transmission	hydrostatic
Track base	3125 mm
Track width	300 mm
Ground pressure (empty weight)	1.29 kg/cm^2
Steering	electronically controlled
	by altering the speed of each track
Max. operating weight with RB 12000 (CECE reg.)	24200 kg
Hopper capacity	14 t
Hopper discharge height - at centre	430 mm
at sides	600 mm
Augers	Ø 450 mm
Mechanical grade controls	standard
	for left and right side

PERFORMANCES

Max production (theoretical)	820 t/h
Mat thickness	max. 300 mm

Work speed is in relation to the mat thickness and paving width

TANK CAPACITIES

Fuel	250 l
Hydraulic oil	200 l
Ecological liquid	35 l

Maximum performances cannot be obtained simultaneously.

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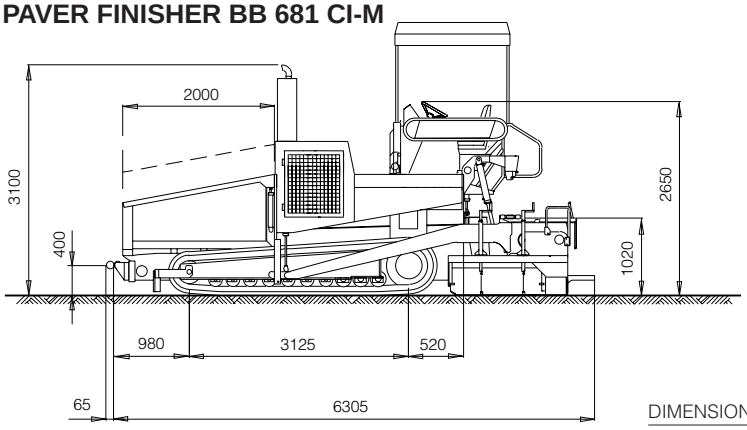

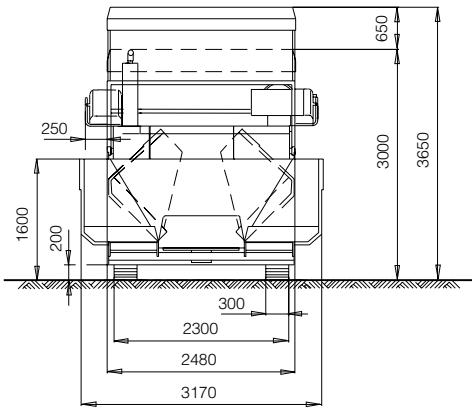

DIMENSIONS: mm

CARRIAGE: tracked machine with two rubber shoe crawlers. 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. These pumps feed in a closed circuit fixed displacement axial piston motors, directly splined to the two speed gearbox with planetary final reduction gear in oil bath.
An electro-proportional 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 acts an electronic digital device that consequently adjusts the right and left track motion guaranteeing a constant travel speed and direction.

MECHANICAL SCREED: the machine is fitted with a 2.50 m screed that can reach, by fitting mechanical extensions of 1.50 m, 0.75 m and 0.25 m, a maximum paving width upto 12 m. The mechanical screed plate axis can be adjusted to different camber angles between +4 % and -2 %.
On request the machine can be fitted with a variable stroke and high compaction tamper.
Tamper and vibrator are operated automatically when the machine advances. Tamper and vibrator follow a pre-set ramp when the machine begins to advance or stops. During operation tamper and vibrator adjustment is electrically controlled and can be individually adjusted using potentiometers.
The screed is fitted with electronic ignition and automatic adjustment of the smoothing plate temperature for central and each mobile plate equipped with a burner.

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 remarkably its adherence to the ground.

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 necessary the brakes can be released manually.

OPERATOR'S SEAT: fitted with a folding canopy and two sliding seats. 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.
All controls operating tamper, vibration and screed assist are located at the rear of the machine.
Whenever a breakdown occurs all solenoid valves of the hydraulic system can be manually operated consequently AVOIDING MACHINE DOWNTIME.

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 augers, both independently controlled. 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 (for main screed).

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

ON REQUEST:
- COMBINED ULTRASOUND GRADE control - electronic and mechanical
- LONG SLIDING SKI 6 m for grade control
- AUTO-LEVELLING SKI 6 m for grade control
- MECHANICAL EXTENSION 3 m for skis
- MECHANICAL EXTENSION ELEMENTS of 1.50 m, 0.75 m and 0.25 m with auger extensions, electronic ignition kit and wind bracing for paving widths upto 12 m
- Supplementary LIGHTS for night operation
- VARIABLE STROKE and HIGH compaction TAMPER
- BIO-HYDRAULIC oil

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