BITELLI®

BB 650

PAVER FINISHER

CE

The machine shown can be fitted with additional equipment

ENGINE	
Make	Deutz F5L 912
Cylinders	5
Cooling system	air
Output at 2500 rpm (DIN 6271)	68 kW (92.5 HP)
Electric system	24 V

SPEED	
1st gear (work)	0÷60 m/min
2nd gear (travel)	0÷14 km/h

SCREED RB 465		
Hydraulically extending screed width		2.50÷4.65 m
with 2 extensions (0.425 m each) (optional)		max 5.50 m
Smoothing plate width		320 mm
	thickness	19 mm
Screed heating		LPG
Tamper vibration frequency		
	1000÷1850 rpm	(16.7÷30.8 Hz)
Smoothing plate vibration frequency		
	1000÷3400 rpm	(16.7÷56.7 Hz)

TECHNICAL SPECS	
Transmission	hydrostatic
Steering bogie wheels	550 x 300 mm
Drive wheels	17.5-25
Steering	power steering
Turning radius - inside	3.60 m
- outside	6.70 m
Operating weight	13500 kg
Hopper capacity (tunnel included)	11 t
Hopper discharge height - at centre	430 mm
- at sides	550 mm
Augers	Ø 325 mm

PERFORMANCES	
Max production	450 t/h
Mat thickness	5÷300 mm

TANK CAPACITIES	
Fuel	115 l
Hydraulic oil	190 l
Ecological liquid	30 l

The machine is also available with drive on one of the front axles (on request)

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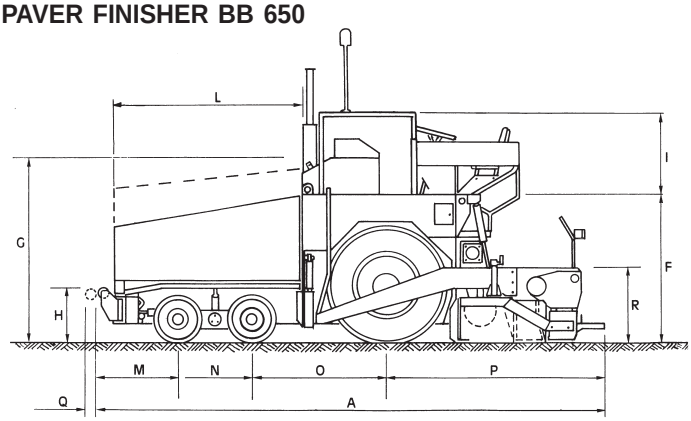

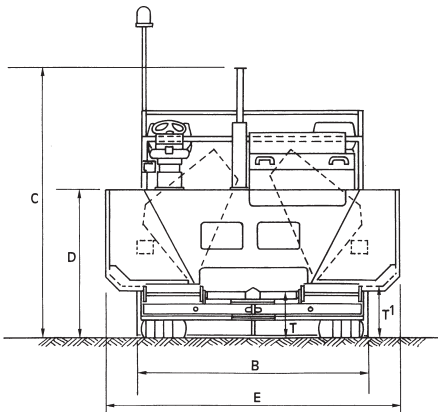

Dim.	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	T	T1
mm	5500	2500	3880	1600	3170	1600	2040	495	750	2000	775	800	1450	2475	100	830	430	550

CARRIAGE: triple axle carriage; two steering axles and one rear traction axle. Four large steering bogey wheels mounted on two equalisers. Two oscillating and adjustable thrust rollers are fixed to the front part of the machine.

TRANSMISSION: hydrostatic transmission. A variable-displacement pump feeds the drive system fitted with a fixed-displacement axial piston motor which is directly connected to the gearbox. An electric servo-control consents machine starting and stopping (for asphalt supply, etc.) with no preset working speed variation.
Self-locking differential gear with final reduction gears in oil bath.

SCREED: consists of two central fixed plates and two lateral mobile plates, hydraulically operated, sliding on two chromed telescopic cylindrical guides. The smoothing plates are made of wear resisting indeformable steel and are heated by four gas propane burners. The adjustment of the laying mat thickness is controlled by special devices so as to allow easy modifications of shapes (V∧W/\) with different angles of +4.5% and -2.5% according to the job requirements. Other adjustments allow tamper travel position to be corrected due to wear. During work operations, when the machine stops (for asphalt supply, etc.), the pistons which lift the screed automatically block, so to avoid making prints on the mat.

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 drive axle of the machine, thus increasing remarkably its adherence to the ground.

BRAKES: the hydrostatic drive acts as the service brake; the safety brake, which consists of is a multi-disk brake with a negative hydraulic control and hydraulic calipers and a brake booster, is controlled by a pedal from the operator's seats; the parking brake is applied by 2 calipers with negative hydraulic control. The safety and parking brakes act on the shafts coupled to the drive wheels.

OPERATOR'S SEAT: the machine is fitted with two adjustable seats. The instrument panel can slide from side to side permitting excellent vision in both driving positions.

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, independently controlled each side, are made of wear-resisting steel. Material conveyed to both sides is spread by two augers, each of them independently controlled. Rotation speed varies automatically according to the quantity of material required for a correct feeding of the screed. Four automatic stop feed devices control the conveyors and the augers. One pair of auger extensions are standard supply.

ELECTRICAL-ELECTRONIC SYSTEM: an electronic circuit, which governs and operates the hydraulic system, gives the machine an exceptional self-government.

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

CONTROLS: the machine is hydraulically controlled and electrically operated by means of simple switches.
In case of a breakdown all solenoid valves of the hydraulic system can be manually operated so as to AVOID MACHINE STOPS. All main machine components are easy to service.

ON REQUEST:
- FOLDING CANOPY
- Automatic LEVELLING devices
  - GRADE control
  - DIGITAL ULTRASOUND GRADE control
  - COMBINED ULTRASOUND GRADE control
  - SLOPE control
  - DIGITAL SLOPE control
- LONG SLIDING SKI 6000 mm for grade control
- SELF LEVELLING SKI 6000 mm
- MECHANICAL EXTENSION ELEMENTS with auger extensions for laying widths up to 5500 mm
- Augers proportional speed with ULTRASOUND electronic CONTROL
- REVERSIBLE direction augers
- BURNERS ELECTRONIC IGNITION with automatic adjustment of screed temperature
- TRACTION on ONE of the FRONT AXLES

TIPOGRAFIA BITELLI

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