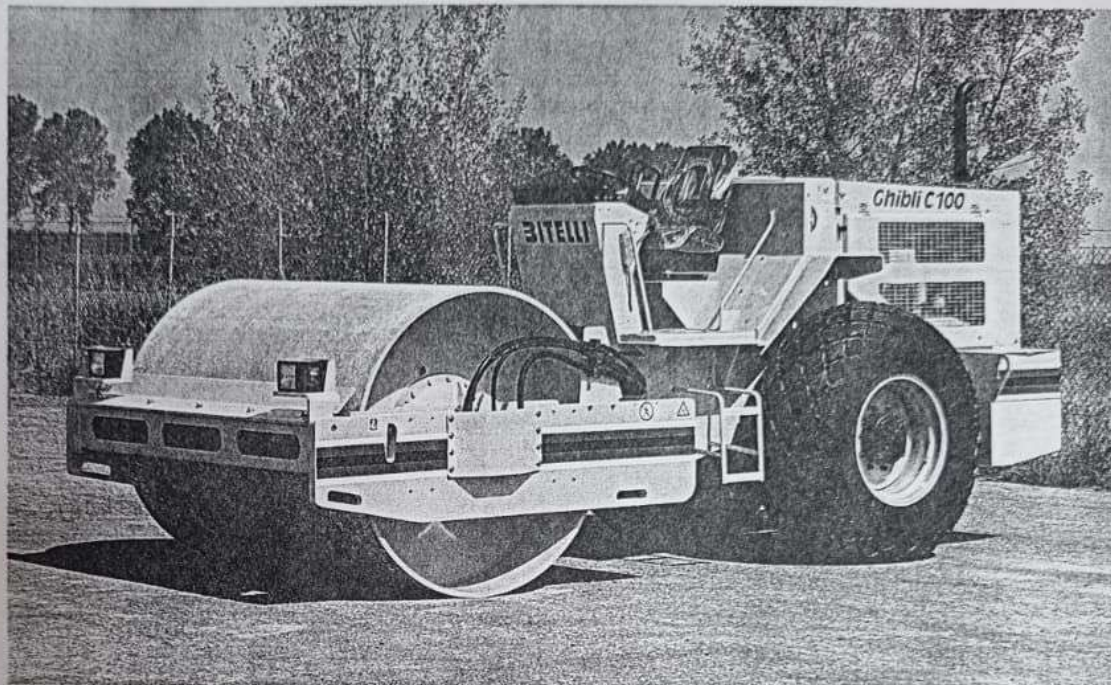




# BITELLI®

## GHIBLI C 100

SELF-PROPELLED  
VIBRATORY SOIL COMPACTOR



### MAIN SPECIFICATIONS

#### AL DT version

Operating weight (CECE reg.)	10400 kg (22928 lbs)
Front axle load	6100 kg (13448 lbs)
Linear static pressure	29 kg/cm (162 lbs/in)

#### PD DT version

Operating weight (CECE reg.)	11000 kg (24250 lbs)
Front axle load	6700 kg (14770 lbs)

Compaction width	2100 mm (84")
Outside steering radius	6500 mm (21'3")
Articulation angle	± 30°
Oscillation angle	± 11°

### TANK CAPACITIES

Fuel	300 l (80 gal)
Hydraulic oil	125 l (33 gal)

### VIBRATION

Transmission	hydrostatic
--------------	-------------

#### Frequency

- low amplitude	1900 rpm / 31.7 Hz
- high amplitude	1700 rpm / 28.3 Hz

#### Centrifugal force

- low amplitude	12400 kg - 122 kN (27337 lbs)
- high amplitude	21400 kg - 210 kN (47178 lbs)

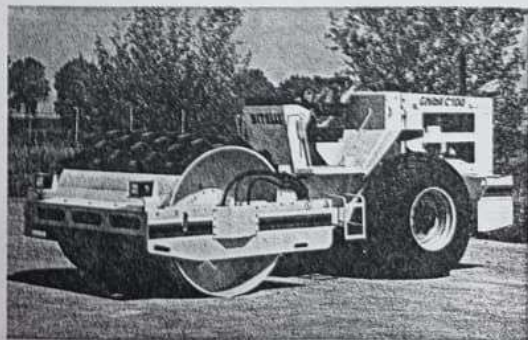
### DRIVE

Diesel engine	Cummins 6BT 5.9C Elite
Output at 2200 rpm (DIN 6271)	101 kW (135 HP)
Transmission	hydrostatic

#### Two-speed gearbox

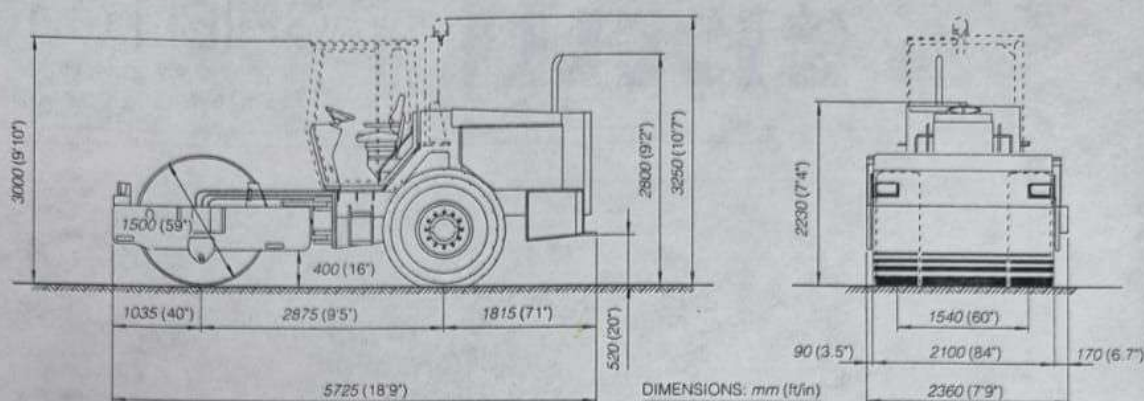
- 1 <sup>st</sup> gear	0 + 6.5 km/h (0 + 4 mph)
- 2 <sup>nd</sup> gear	0 + 11.5 km/h (0 + 7 mph)

Gradeability with vibration	50 %
without vibration	50 %



Ghibli C 100 AL DT  
Smooth drum fitted with one (of three) PADFOOT shell segments (on request)





### GHIBLI C 100

**FRAME:** centre-point articulation. Front axle is fitted with a vibratory driving drum. Both front and rear axles are driving.

**STEERING:** an "Orbitrol" type power-assisted steering unit and a  $\pm 30^\circ$  articulation angle offers precise and efficient machine handling.

Steering system has been designed to allow the roller to be steered even if a pressure cut occurs in the hydraulic system.

**DRIVE:** dual hydrostatic drive with an axial piston variable displacement pump and hydraulic motors fitted to both axles. Rear axle with two-speed hydraulic motor and self-locking differential.

Planetary reduction gears are fitted to both rear wheels. On request a switchable flow-divider enables total lock traction operation for optimum drum and wheels traction and maximum gradeability.

**VIBRATORY SYSTEM:** hydrostatic control with variable displacement pump and axial piston hydraulic motor. Dual vibratory amplitude, controlled from the operator's station, provides an increased range of applications. Oil bath lubrication of the vibratory components reduces servicing to a minimum.

Two-mode vibratory control for ease of operation. **AUTOMATIC mode:** drum vibration is activated with drive lever in forward and reverse position.

With drive lever in neutral, drum vibration is stopped. **CONTINUOUS mode:** drum vibration operates non-stop even with drive lever in neutral.

A set of heavy duty silentblocks insulates the machine frame against vibration.

**HYDRAULIC SYSTEM:** forced air hydraulic oil cooler and filters protect drive hydrostatic and vibration hydraulic transmissions. A filter complete with a vacuum gauge is positioned to the intake side of the variable displacement pump.

**BRAKING SYSTEM:** Service brake: hydrostatic. Controlled by the drive lever with stop in neutral position.

**Emergency and parking brake:** mechanical, multi-disc brakes acting on rear wheels and front drum. Brakes are automatically engaged if a pressure cut in the hydraulic system occurs. Machine brakes can also be released mechanically.

**DRIVING POSITION AND CONTROLS:** fitted with ROPS protection and ergonomic driving position with excellent visibility from both sides of the machine.

Steering wheel with built-in hand knob provides the operator a greater control.

Well-equipped dashboard with ignition key, electric hour counter, vibratory control, lights horn and engine control warning lights. Drive lever, vibrator control, brakes and accelerator conveniently positioned for safe and precise operation.

**LIGHTING SYSTEM:** complete lighting system for work and travel.

#### \*AL DT\* VERSION (10400 kg (22928 lbs) operating weight)

Fitted with:

- Smooth drum  $\varnothing 1500$  mm (59") - width 2100 mm (84")
- Smooth drum with padfoot shell fitted  $\varnothing 1720$  mm (67") (on request)
- No. 2 tyres 23.1-26
- Drum scrapers on adjustable supports
- Front and rear drive with negative brake

#### \*PD DT\* VERSION (11000 kg (24250 lbs) operating weight)

Fitted with:

- Padfoot drum  $\varnothing 1600$  mm (63") pads included
- Pad height 100 mm (3.9")
- Pad area 125 cm<sup>2</sup> (19 in<sup>2</sup>)
- No. 140 pads
- No. 2 tyres 23.1-26
- Drum comb-scrappers on adjustable supports
- Front and rear drive with negative brake

#### ON REQUEST:

- FOLDING canopy
- AIR-CONDITIONED and HEATED CAB
- FLOW DIVIDER kit (for TOTAL LOCK TRACTION)
- COMPACTION-METER control with LCD-DISPLAY, PRINTER and 3 ANALOGICAL DIALS
- COMPACTION-METER control with 2 ANALOGICAL DIALS
- TRANSFORMATION KIT from 2 DIALS to 3 DIALS COMPACTION-METER control
- SMOOTH DRUM with VIBRATING system
- PADFOOT DRUM with VIBRATING system
- PADFOOT SHELL for SMOOTH DRUM
- TROPICALIZATION system



# BITELLI®

Via IV Novembre, 2 - 40061 MINERBIO (Bologna) - ITALY  
Tel. 051 6607111 / 051 6605066 - Fax 051 6605576

#### Sales Department:

Fax 051 6604142

E-mail: [info@bitelli.it](mailto:info@bitelli.it) - Home Page: <http://www.bitelli.com>

Specs and data are subject to change without notice or obligation. Illustrations shown may show the machine fitted with additional equipment.