



BITELLI®

DTV 315 - DTV 315 S

TANDEM ROLLERS
DOUBLE TRACTION - VIBRATION



TECHNICAL SPECS

Operating weight (CECE reg.)	1500 kg (3,310 lbs)
Shipping weight	1365 kg (3,010 lbs)
Front/Rear axle weight	750 kg (1,653 lbs)
Linear static pressure (front/rear)	9.3 kg/cm (52 lbs/in)
(*) front	8.5 kg/cm (47.6 lbs/in)
(*) rear	9.4 kg/cm (52.6 lbs/in)
Compaction width	800 mm (31") - (*) 880 mm (35")
Inside steering radius	2450 mm (96") - (*) 2500 mm (98")
Articulation angle	± 24°
Oscillation angle	± 14°

VIBRATION

Hydrostatic transmission	on both drums or front drum only (DTV 315 S vibration applied on rear drum only)
Vibration frequency	3200 rpm / 53.3 Hz
Centrifugal force (both drums)	927 kg / 9.1 kN (2,045 lbs) (DTV 315 S - rear drum only)

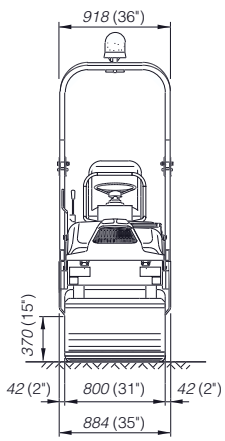
DRIVE

Diesel engine	Hatz 2G 40H
Output at 3000 rpm (ISO 3046)	14.6 kW (20 HP)
Transmission	hydrostatic
Forward/Reverse speed	0- 8 km/h (0- 5 mph)
Max. gradeability with vibration	30%
without vibration	40%
Steering system	Orbitrol power steering
Electrical system	12 V

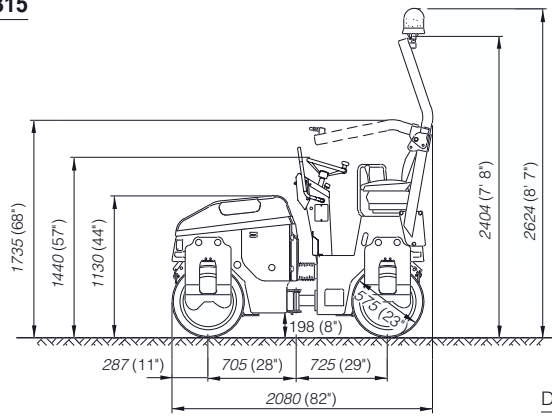
TANK CAPACITIES

Fuel	23 l (6 gal)
Hydraulic oil	43 l (11.5 gal)
Water	90 l (24 gal)

(*) DTV 315 S specifications only

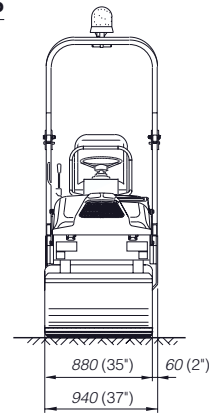


DTV 315



DIMENSIONS: mm (ft/in)

DTV 315 S



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FRAME

Central articulated frame with two half chassis. Engine and transmission system components are located at the front of the machine.

Both half chassis on the DTV 315 support a vibratory driving drum. The DTV 315 S front half chassis fits an offset driving drum whilst the rear half chassis fits a vibratory driving drum. This offset drum on the DTV 315 S permits maximum side clearance when flush rolling.

ENGINE

Air-cooled, electric starting HATZ 2G40H diesel engine. Engine and transmission system components are fully enclosed to guarantee quiet and long life operation. A wide opening angle hood provides easy access to the engine compartment simplifying maintenance and repair work.

STEERING

An orbital power-assisted steering unit offers precise machine handling. Steering system has been designed to allow the roller to be moved even if a pressure drop in the hydraulic system occurs. This highly maneuverable roller is excellent for confined work areas.

DRIVE

Dual hydrostatic drum drive ensures total traction. The drive lever, positioned beside the operator, controls infinitely variable forward and reverse drive. Roller starting and stopping motion can be efficiently controlled to avoid undesired waves normally caused by abrupt accelerations and stops.

VIBRATORY SYSTEM

The DTV 315 includes an electrically controlled vibratory system operating on both drums. Drum vibration can be selected for either both drums or for front drum only. The DTV 315 S vibratory system is fitted on the rear drum only. The microswitch activating the vibratory system is built-in on the drive control lever for operator convenience. A set of heavy duty silentblocks insulate the machine's frame against vibration.

HYDRAULIC SYSTEM

Forced air hydraulic oil cooler and filters protect drive and vibratory hydrostatic transmissions. Filter vacuum gauge conveniently positioned on the control console panel.

BRAKING SYSTEM

Service brake: hydrostatic. Controlled and applied gradually with drive lever in neutral position.
Emergency and parking brake: mechanical, multi-disk negative brake acting on both drums. An emergency push-button control applies the brake for maximum operator safety. The roller is automatically braked if a pressure drop in the hydraulic system occurs.

WATER SPRINKLER SYSTEM

Pressurized water sprinkled through special pipes on both drums maintains them clean from the sticking asphalt. Stainless steel water tank fitted for long life operation.

DRIVER'S SEAT AND CONTROLS

Driving position allows excellent visibility from all sides of the machine. Operator's seat is fitted with a pressure sensitive sensor that automatically brakes the roller when the operator leaves his seat. Steering wheel with built-in hand knob provides the operator a greater control. A well-equipped control console panel with ignition key, vibrator selector switch, engine and vibrator control warning lights is centrally positioned at easy reach. The control console vandalism cover and locks help prevent tampering to important machine components. The roller is also equipped with an acoustic alarm for reverse drive. A folding ROPS protection facilitates machine transportation without having to be unnecessarily removed.

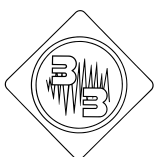
LIGHTING SYSTEM

Complete lighting system for work and travel even in low light conditions.

ON REQUEST:

- Biodegradable hydraulic oil

ROPS protection is required for CE conformity.



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