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**DYNAPAC CT3000**

# DYNAPAC CT3000

The compactor **DYNAPAC CT3000** was designed to achieve densities specified in cohesive and semi-cohesive soils. With an operating weight of 22 tonnes and an average production capacity of 900 cubic meters per hour, the Dynapac CT3000 is ideal for projects such as highways, dams and airport runways, where a large volume of earthwork is required.

## *Unbeatable production capacity*

### **Excellent performance**

Driven by a powerful turbo-diesel engine, the Dynapac CT3000 features a 4-speed automatic transmission that provides optimal all-wheel drive for high productivity.

The oscillating front axle works independently of the optional throttle and the rigid rear axle. This ensures better contact of all drums with the ground in any type of terrain.

The special compactor drum shoes have been optimized in size and standard to maximize the energy transmitted to the soil, which helps the Dynapac CT3000 to produce uniform compaction density with minimal scarification.

The drums are offset by the width of a shoe, so that the rear drum compacts areas that have not been compacted by the front drum. Therefore, a double pass of the machine results in a compaction width of 4.4 meters. This means that the Dynapac CT3000 can cover a larger area in fewer passes, saving time, fuel and money on the job, while minimizing the machine's environmental impact.

### **Comfort, operational ease and safety**

The ergonomic operator station is designed to reduce fatigue and increase productivity. An adjustable seat with a variable suspension provides a comfortable ride and the control console gives the operator easy access to all functions and a clear view of the LED panel, displaying the machine's information.

Excellent visibility in all directions helps the operator to maintain control of the machine, including the blade, for superior compaction and safe operation. Additional safety features include a low center of gravity to ensure optimum machine stability and two brake systems - a service brake with a dual independent circuit that operates on all four drums and a parking brake that acts on the transmission.

### **Excellent maneuverability**

The hydrostatic steering allows a steering angle of 40° for each side and a turning radius of less than 6.3 meters to facilitate maneuverability in tight areas.

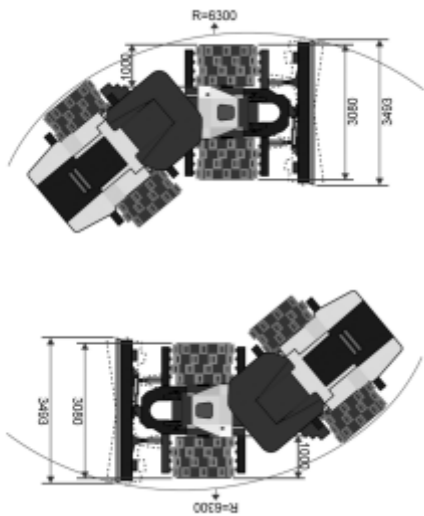


# CHARACTERISTICS AND BENEFITS



The operator station has an adjustable swivel seat with variable suspension for comfortable driving and excellent visibility in all directions.

The operating station also rotates up to 180 degrees, which reduces fatigue and increases productivity. The clear and modern LCD control panel gives operators all the information they need.



The non-aligned position of the drums also allows the rear drum to compact areas that have not been compacted by the front drum. Therefore, a double pass of the machine results in a compaction width of 4.4 meters. This means that the CT3000 can cover a larger area in fewer passes, saving time, fuel and money on the job, while minimizing the machine's environmental impact.

## Excellent maneuverability

The hydrostatic steering allows a steering angle of 40° to each side and a turning radius of 6.3 meters to facilitate maneuverability in tight areas.

## Auxiliary light

Facilitates blade operation.

## Extra comfort for the operator

The spacious asymmetrical ROPS cab offers a highly ergonomic operating environment. It can be equipped with an air conditioning system to further increase operator comfort.

## Tier 4f Engine

The CT3000 features Tier3 and Tier 4f engine options that offer lower fuel consumption and lower environmental impact.

## High performance

High-performance cooling system with built-in self-cleaning reversible fan.

## Easy transport

Compactor drums can be removed to facilitate and reduce transportation costs.



# DYNAPAC CT3000 IMPACT ACTION



## Unbeatable Performance

The design and distribution of the special shoes in the compactor drums maximizes the energy transmitted to the ground, which helps the CT3000 to produce uniform compaction density without scarification and with fewer passes. Working on cohesive and semi-cohesive soils, it reaches production levels of around 900 cubic meters per hour - one of the highest of its class rolls.



## New scrapers and shock absorber tires

Each drum is equipped with two sets of adjustable scrapers made from tempered steel. Positioned on the rows of pads, the scrapers keep the drums free of residual dirt during operation. In addition, each drum of the CT3000 is mounted on a pair of rubber tires that absorb shocks and cushion vibrations, offering comfortable operation in any condition.



## Easy access to engine components

The CT3000 engine compartment side covers are very easy to open and allow full access to the frequent maintenance points during maintenance. The machine is equipped with a high performance cooling system, with integrated self-cleaning reversible fan.



## Multifunctional Blade

The CT3000 can be equipped with a 2-way, 4-way or 6-way slope and leveling blade, optional. It allows the operator to hydraulically adjust the lift movement, performing slopes and adjustments simultaneously. The versatility of the blade allows the machine to operate in various types of applications.

Blade height 958 mm / 37.7  
Blade Width 3493 mm / 137.5 in  
Lifting height 953 mm / 37.5 in  
Angle of inclination 6,5 °  
Angle of inclination 11 °  
Lower -220 mm / - 8.6 in (under ground)



## 4 - Speed Automatic Transmission

The robust, fully automatic Power Shift transmission offers the ability to operate at four different speeds, both front and rear, ensuring greater traction capacity. In addition, it offers extra operator comfort and ensures excellent performance and productivity under any working condition.

# TECHNICAL DATA

| Weight (kg)                                    |   | Compaction                         |   |
|--|---|------------------------------------|---|
| Operating mass (incl. cabin and blade)         | 22.550 kg   | Number of shoes per drum           | 60  |
| Front module mass                              | 10.600 kg   | Shoe Height                        | 185 mm                                      |
| Rear module mass                               | 11.950 kg   | Shoe contact area                  | 200 cm <sup>2</sup>                         |
| Traction                                       |   | Motor                              |   |
| Forward / reverse speeds (km / h)              | 1st) 3,7<br>2nd) 8,6<br>3rd) 14,6<br>4th) 20,0                                | Manufacturer and model             | Cummins QSB 6.7, Tier 3 ou 4F               |
| Transmission                                   | Power Shift Dana 36000, integrated transmission converter, 4 speed automatic. | Type                               | Turbo Diesel, water-cooled with intercooler |
| Vertical oscillation                           | 12°   | Rated power, SAE J1995 at 2200 rpm | 194 kW (260 hp)                             |
| Steering angle                                 | 40°   | Fuel tank capacity                 | 400 liters                                  |
| Each drum mounted on a pair of tires, measured | 11,00 x 22 - 12 ply   | Hydraulic tank capacity            | 230 liters                                  |
|  |   | Electrical system                  | 24 volts                                    |
|  |   | Brakes                             |   |
|  |   | Service Brake                      | hydraulic differential                      |
|  |   | Parking / emergency brake          | on disk                                     |

## Standard Equipment

| Reverse Alarm   | Work lights                         | Transmission temperature warning                                   |  |
|---|-------------------------------------|--|--|
| Battery switch  | Traffic lights                      | Hydraulic oil temperature warning                                  |  |
| Asymmetric cab with ROPS  | Parking Brake                       | Warning - Low battery charge                                       |  |
| Parking brake disc  | External rear view mirrors          | Warning - low fuel level   |  |
| Documentation, a set of   | Redundant brake system              |  |  |
| Drums with standard shoes: area of 200 cm <sup>2</sup> / height of 185 mm | Rotary headlight                    | Optional Equipment   |  |
| Emergency stop  | Seat, luxury for platform and cabin | Blade option - 2-way / 4-way / 6-way                               |  |
| Engine temperature indicator  | Rotating operator unit              | Fire extinguisher  |  |
| Fuel level display  | Speedometer                         | First aid kit  |  |
| Hooter  | Tachometer                          | Lunchbox holder  |  |
| Hour meter  | Steering wheel with tilt adjustment | Tool kit   |  |
| Temperature Indicators  | Mooring points                      | Work Light / Drum - Xenon or LED                                   |  |
| Dynamic service hydraulic brakes  | Voltmeter                           | Instrument panel vandalism cover (wo. booth)                       |  |
| Hydraulic checkpoints   | Air filter obstruction warning      | Driving lights (incl. For operating blade)                         |  |
| Locking system  | Low brake pressure warning          | Drums with shoes, contact area 122 cm <sup>2</sup> , 185 mm height |  |
| Lifting points  | Engine Oil Filter Clogged Warning   |  |  |
|   | High temperature engine warning     |  |  |

## Standard cabin equipment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Air filtration system                 | Internal rearview mirror         |
| Air conditioning (AC), basic function | Seat belt                        |
| Fan, fresh air (3 speeds)             | Safety glass, colored            |
| Interior light                        | Side windows                     |
| Radio and CD player                   | Heater                           |
| Reading lights                        | Cleaner with front / rear washer |

## Optional cab equipment

Air conditioning, Automatic climate control (ACC)