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DYNAPAC CT3000

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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.

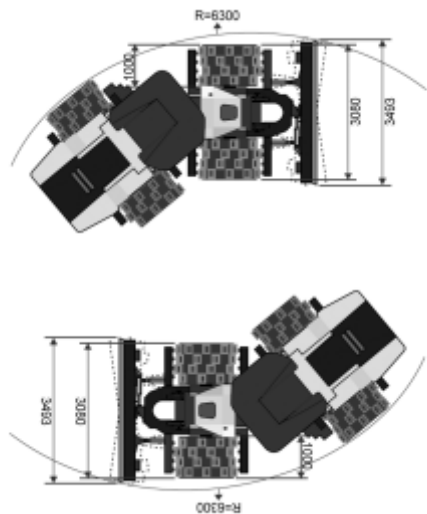


CHARACTERISTICS AND BENEFITS



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

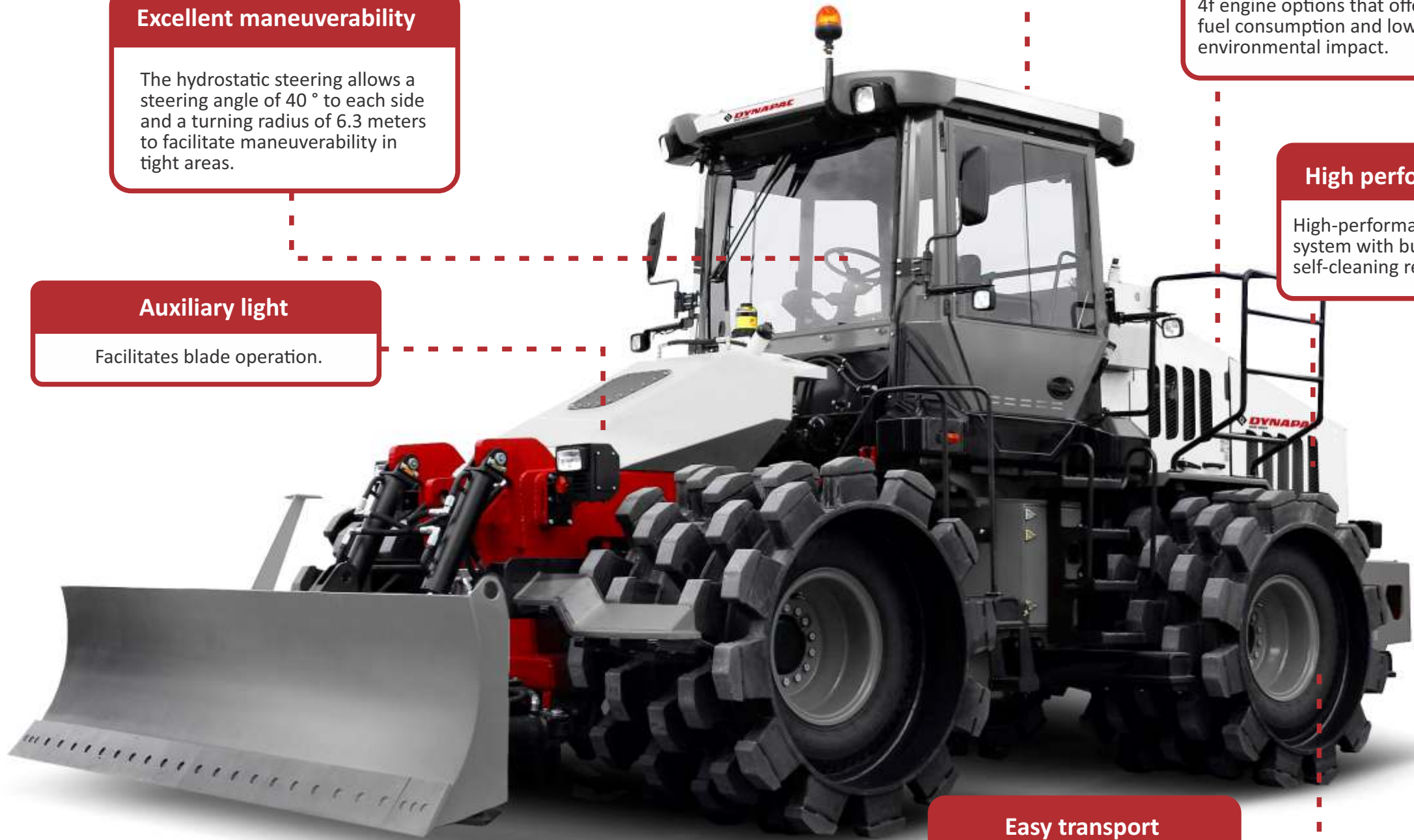
The CT3000 features Tier3 and Tier 4f engine options that offer lower fuel consumption and lower environmental impact.

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



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.

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.



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 ²
Traction		Motor	
Forward / reverse speeds (km / h)	1st) 3,7 2nd) 8,6 3rd) 14,6 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 cm2 / height of 185 mm	Rotary headlight	Optional Equipment	
Emergency stop	Seat, luxury for platform and cabin		
Engine temperature indicator	Rotating operator unit		
Fuel level display	Speedometer		
Hooter	Tachometer		
Hour meter	Steering wheel with tilt adjustment		
Temperature Indicators	Mooring points		
Dynamic service hydraulic brakes	Voltmeter		
Hydraulic checkpoints	Air filter obstruction warning		
Locking system	Low brake pressure warning		
Lifting points	Engine Oil Filter Clogged Warning		
	High temperature engine warning		
			Blade option - 2-way / 4-way / 6-way
			Fire extinguisher
			First aid kit
		Lunchbox holder	
		Tool kit	
		Work Light / Drum - Xenon or LED	
		Instrument panel vandalism cover (wo. booth)	
		Driving lights (incl. For operating blade)	
		Drums with shoes, contact area 122 cm2, 185 mm height	

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)