

DYNAPAC TAMPING COMPACTOR

DYNAPAC CT3000



Atlas Copco

THE DYNAPAC CT3000 tamping compactor has been designed to efficiently achieve specified densities on cohesive and semi-cohesive soils. With an operating weight of 22 tons, and an average production capacity of 900 cubic meters per hour, the Dynapac CT3000 is ideal on projects such as highways, dams and airport runways where large-volume earthwork is required.

Unbeatable production capacity

Excellent Performance

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

The front oscillating axle works independently of the optional strike-off blade and the rigid rear axle. This enables the blade to work in a permanently level position and ensures uniform distribution of soil on any type of terrain.

The square pads of the compacting drums have been optimized in size and pattern to maximize the energy transmitted to the soil, which helps the Dynapac CT3000 produce uniform compaction density with minimum scarification.

The drums are offset by the width of a pad 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 the Dynapac CT3000 can cover a larger area in fewer passes, saving time, fuel and money on the job, as well as minimizing the environmental impact of the machine.

Comfort, operational ease and safety

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

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

Excellent maneuverability

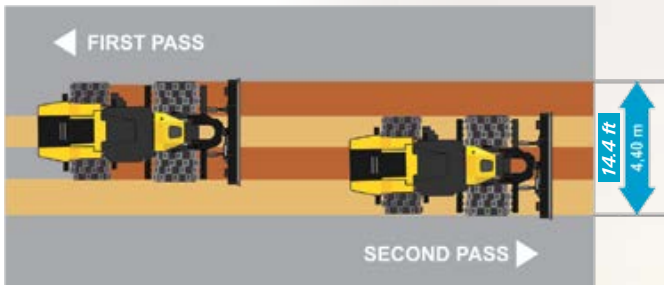
The hydrostatic steering allows a steering angle of 40° to either side and a turning radius of less than 6.3 meters for easier maneuverability in tight areas.



FEATURES & BENEFITS



The ergonomic operator's station features an adjustable swivel seat with variable suspension for a comfortable ride and excellent visibility in all directions. The operator's 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 unaligned 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 the CT3000 can cover larger area in fewer passes, saving time, fuel and money on the job, as well as minimizing the environmental impact of machine.

Excellent maneuverability

The hydrostatic steering allows a steering angle of 40° to either side and a turning radius of 6,3 meters for easier maneuverability in tight areas.

Auxiliary light

Facilitates operation with the blade.





Extra comfort for the operator

The spacious asymmetric ROPS cab offers a highly ergonomic operator environment. It can be equipped with an air conditioning system to enhance operator comfort even more.

Tier 4i Engine

The CT3000 will soon be equipped with an advanced Tier 4F engine, which offers low fuel consumption and less environmental impact.

High performance

High-performance cooling system with integrated self-cleaning reversible fan.

Easy transport

The compactor drums can be removed to facilitate and reduce transport costs.

DYNAPAC CT3000 - IMPACT ACTION



UNBEATABLE PERFORMANCE

The optimal design and distribution of the square pads on the compacting drums maximize the energy transmitted to the soil, which helps the CT3000 to produce uniform compaction density without scarification and with fewer passes. Working on semi-cohesive and cohesive soils, it achieves production levels around 900 cubic meters per hour - one of the highest among the rollers of its class.



NEW SCRAPERS AND DAMPER TIRES

Each drum is equipped with two sets of adjustable scrapers made of tempered steel. Positioned over 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 dampen vibrations, offering comfortable operation in any condition.



EASY ACCESS TO ENGINE COMPONENTS

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



MULTIFUNCTION BLADE

The CT3000 can be equipped with an optional 2-way, 4 way or 6-way strike-off tilting and levelling blade. It allows the operator to set hydraulically the raising movement, performing inclinations and adjustments simultaneously. The versatility of the blade allows the machine to operate in several types of applications.

Blade Height	958 mm / 37.7 in
Blade Width	3493 mm / 137.5 in
Lift height	953 mm / 37.5 in
Tilt Angle	6,5 °
Grade angle	11 °
Lower	-220 mm / -8.6 in (under ground)

4-SPEED AUTOMATIC TRANSMISSION

The robust and fully automatic Power Shift transmission offers the possibility of operating in four different speeds, both forward and reverse, assuring greater traction capacity. In addition, it offers extra comfort to the operator and ensures excellent performance and productivity under any working condition.



CONSTRUCTION TECHNIQUE SERVICE

ANYTIME, ANY PRODUCT, ANYWHERE -

YOU CAN COUNT ON US

Atlas Copco is much more than equipment. When you purchase a Dynapac product, you get a parts and service program and a strategically located, highly trained dealer network to back it up. As a result, you increase the uptime and availability of your equipment, which increases your productivity and profitability. It's a return on your investment that you can count on.








CUSTOMER FINANCE

Atlas Copco is pleased to offer customized equipment financing. A wide range of financing solutions for all types of Atlas Copco equipment and related products is available, with the opportunity to customize payments to suit your specific requirements. Let Atlas Copco be your source for equipment, aftermarket services and comprehensive financing packages.

FOCUS ON EXPERIENCE

When purchasing a roller from Atlas Copco, you get the latest generation of Dynapac machine backed by over seventy years of experience, research and product testing. The Technology and Application Center in Sweden and the Application Department in Brazil offer to customers - through the presence of technicians in the field and exclusive software - the most appropriate solution to the compaction problems on your job. So you get the most out of your Dynapac equipment and benefits that include excellent performance, high productivity and reduced costs.

TECHNICAL DATA: DYNAPAC CT3000

 Weight		 Compaction	
Operating mass (incl. cab and blade), kg	22,550	Number of pads per drum	60
Front module mass, kg	10,600	Pad height (mm)	185
Rear module mass kg	11,950	Contact area of pad (cm ²)	200
 Traction		 Engine	
Speeds, forward / backward (km/h)	1st) 3,7 2nd) 8,6 3rd) 14,6 4th) 20,0	Manufacturer and model	Cummins QSB 6.7, Tier 3 or 4F
Transmission	Power shift Dana 36000, transmission converter integrated, 4 automatic speeds.	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 (liters)	400
Each drum mounted on a pair of tyres, measure	11,00 x 22 - 12 ply	Hydraulic tank capacity (liters)	230
		Electrical system (Volt)	24
		Brakes	
		Service brake	Hydraulic on differential
		Parking/Emergency brake	Caliper on the disc.
 Standard equipment		Standard equipment for cab	
Back up alarm	Standard equipment	Warning - engine oil temperature	Air filtering system
Battery switch	Lights: working, front/rear for cab/ROPS/canopy (Xenon and H3 halogen)	Warning - hydr. fluid temperature	Air conditioning (AC), basic function
Cab, asymmetric with ROPS	Parking brake	Warning - Low charge	Fan, fresh air (3-speed)
Disc brake for parking	Rear view mirrors, external	Warning - Low fuel level	Interior light
Documentation, one set	Redundant brake system		Radio and CD player
Drums with standard pads: contact area of 200 cm ² / height of 185 mm	Rotating beacon		Reading lights
Emergency stop	Seat, luxury for platform and cab		Rear view mirror, internal
Engine temperature display	Swiveling operator unit		Seat belt
Fuel level display	Speedometer on display		Safety glass, tinted
Horn	Tachometer display		Side windows
Hourmeter on display	Tilt steering wheel		Heater
Hydr. fluid temp. display/transmission	Tie down points		Wiper with washer, front/rear
Hydraulic dynamic service brakes	Voltage meter display		
Hydraulic check points	Warning, air cleaner		
Interlock system	Warning, brake		
Key master and start	Warning, clogged hydr. oil filter		
Lifting points	Warning, engine temperature		
		Optional equipment	
		Blade option - 2 way / 4 way / 6 way	
		Fire extinguisher	
		First aid box	
		Lunch box holder	
		Tool set	
		Working/drum light - Xenon or LED	
		Vandal cover instr. panel (wo. cab)	
		Driving lights (incl. for blade oper.)	
		Drums with pads, contact area of 122 cm ² , 185 mm height	
			Optional equipment for cab
			Air conditioning, Automatic climate control (ACC)

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time.

This is what we call - Sustainable Productivity.

Road Construction Equipment Division

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