

DYNAPAC SOIL COMPACTOR

Dynapac CA255



Atlas Copco

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DYNAPAC CA255

DYNAPAC IS THE WORLD'S most specialized manufacturer of compaction, milling and paving equipment. With over 100 years of expertise in compaction knowledge and applications, we transform groundbreaking ideas into cost efficient solutions and reliable machines. Committed to customer's performance is what we strive for.

EXCELLENT COMPACTION PERFORMANCE

Dynapac CA255 is designed for long working hours at tough applications. They are utilized for compaction of most types of soil. Typical applications are road building, airfields, harbors and industrial sites. All types of base courses and reinforcement course can be compacted to considerable depth. Padfoot shell is available.

Easy maintenance

The rollers are designed to simplify and facilitate maintenance and periodic service.

Engine dipstick, oil-filler cap, oil fuel filter, air filter and radiator-level control are easily reachable.

Analyze instead of Guessing

In all projects it is vital to do the right thing – and to do the things right. The compaction meter is the basic tool to meet the compaction requirement. It displays the increase of compaction to eliminate over compaction and bouncing-saves fuel, environment and money.

Front & rear working lights

Easy to reach service points

Fuel Efficient, Water cooled Kirloskar Engine-BS-III

Heavy duty rear axle with failsafe brakes



50mm drum frame

Hard top canopy

Back up alarm,
Well protected battery
Battery cut off switch

Large fuel tank – enough
for full day's use

Driving lights

Heavy duty
steering hitch

Efficient shock absorbers
reduce vibrations on driv-
ers platform to a minimum.

High static linear load

DESIGNED FOR PRODUCTIVITY



Improved engine,maximised performance

The Dynapac CA255 comes equipped with a powerful & fuel efficient water cooled KOEL engine, model 4R 1040TA3, which ensures that your soil compactor gives you non-stop performance and maximum reliability at the lowest operating costs .

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Improved hydraulics,optimised results

The Dynapac CA255 features an advanced hydraulic system, which comes with a host of features that ensure high efficiency: Closed loop hydraulic circuit; Various hydraulic components from world leading brands; Lowest-in-class hydraulic tank volume: 52 litres; Hydraulic oil changing frequency: 2000 hours

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Improved Service Access & Security

CA255 comes with Gas strut Mounted, FRP hood which allows easy opening & lowering of hood & it gives complete service access to engine & Hydraulics. The hood comes with a hood lock which means increased security and peace of mind.

Improved ergonomics-informative operator console

The Dyna CA255 comes equipped with informative operator console, having vandalism protection cover as a standard fitment.

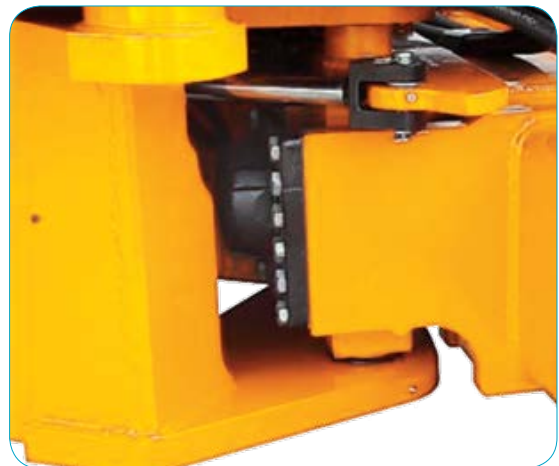
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Heavy Duty steering hitch

Best in class, Havy duty The steering hitch is one of the heavily loaded parts and should be as solid as possible, to avoid excess wear.

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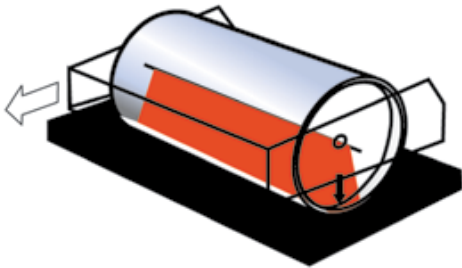


Improved convenience - extra storage space

The large in-built storage facility, under the seat, makes it possible for the operator to store personal belongings close at hand.



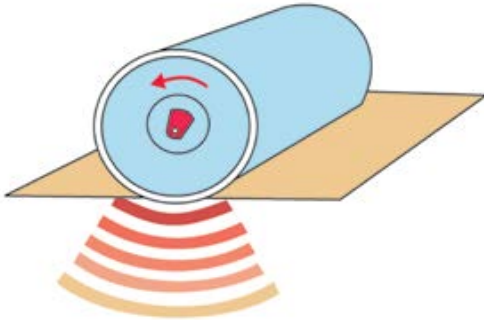
UNPARALLELED COMPACTION PERFORMANCE



Static linear load

The more the better:

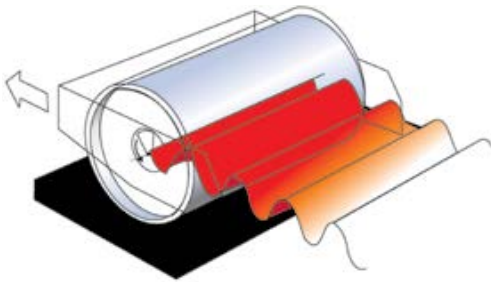
- CA 255 has the highest static linear load at 30.9 kg/cm



Amplitude

The higher the amplitude, greater the depth effect

- Dynapac CA 255 offers two different amplitudes i.e.
 - High : 1.7mm (thicker layers)
 - Low : 0.8mm (thinner layers)



Frequency

Optimised to match the amplitude

- Frequency of Dynapac CA 255 : 33Hz
 - Optimum frequency for best results
- CA 255 uses electronically operated vibration (vibration pump with EDC)
 - This reduces resonating frequencies that cause structural failure/ driver discomfort



Intelligent compaction system

- CA 255 is equipped to have the compaction meter as an option
- Easy to read compaction meter with two scales available
- Gives the roller operator information on the increase in compaction for each pass.
 - it shows variations in the rigidity of the underlying surface,
 - it can localize weak areas, and
 - it indicates when the material is fully compacted.
- Avoids harmful bouncing, preventing structural damage
- Avoids extra passes, thus saving both time and money



Compaction meter

TECHNICAL DATA DYNAPAC CA255

	CA255	CA255D	
Operating mass with ROPS (kgs)	10830	11030	
Drum/wheel module mass (kgs)	6580/4250	6780/4250	
Traction			
Speed (kmph)	0 to 11	0 to 6.3	
Vertical oscillation (°)	+/-9	+/-9	
Tyre size (12 ply)	23.1×26	23.1×26	
Theoretic gradeability(%)	34	57	
Compaction			
Static linear load (Kg/cm)	30.9	31.8	
Nominal amplitude,high/low(mm)	1.7/0.8	1.7/0.8	
Vibration frequency at high/low (Hz)	33	33	
Centrifugal force (kN)			
- at high amplitude	246	246	
- at low amplitude	119	119	
Engine			
Model	Kirloskar Engine 4R1040TA3		
Type	Turbocharged + Intercooler BS - III Diesel Engine		
Rated power,SAE J1995,at 2200 rpm,kW(hp)	77.2(105)		
Fuel tank capacity(ltrs)	250		
Hydraulic System			
Propulsion	Axial piston pump with variable displacement/Axial piston motor with constant displacement + Axial piston motor with Variable displacement (D)		
Vibration	Axial piston pump with variable displacement/Axial piston motor with constant displacement		
Steering	Gear pump with constant displacement		
Service brake	Hydrostatic in forward and reverse lever		
Parking/emergency brake	Failsafe multi-disc brake in rear axle		
Dimensions(mm)			
Length overall	Width overall	Drum width	Drum diameter
5550	2324	2130	1523

*Optional pad foot drum drive units also available

REGIONAL CUSTOMER CENTRES

BRANCH	ADDRESS	CODE	PHONE	FAX
Chennai	8th Floor, West Wing Shyamala Tower,136,Arcot Road,Saligramam,Chennai 600 093	044	39156021	39156039
Gurgaon	Unitech Business Park, First Floor, Building A,Block F, Sector 41, South City I, Gurgaon122 001	0124	3027934	3027924
Hyderabad	6-3-1191-1196, "Brij Tarang" Greenlands, Begumpet, Hyderabad 500 016	040	32934556	23417923
Kolkata	Trinity Plaza, 2nd Floor, West Wing, 84/1 A, Topsia Road (South), Kolkata 700 046	033	22851041	22851043
Mumbai	Mahatma Gandhi Memorial Building, Netaji Subhash Road, Mumbai 400 002	022	32544556	22819946

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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.

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