

# DYNAPAC LARGE ASPHALT TANDEM ROLLERS



DYNAPAC CC2200 - CC3200 with T4final engines

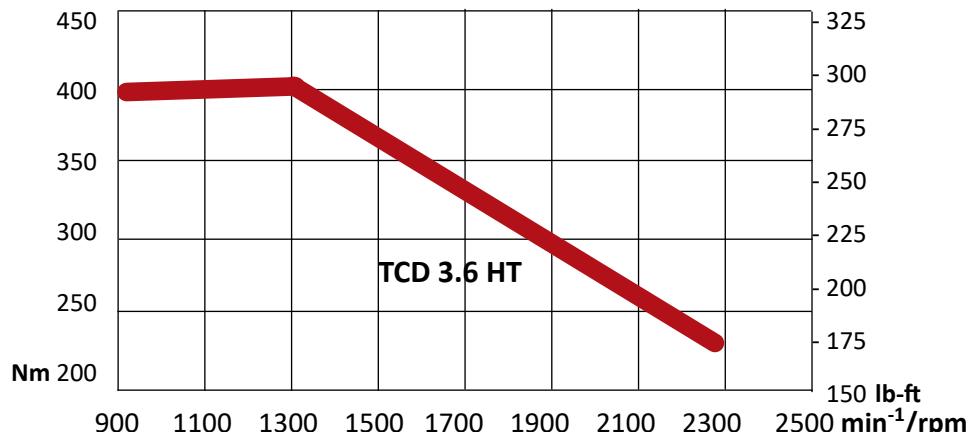


# Introducing the CC2200 – CC3200 with a new T4 final

Now Dynapac introduce a new T4final engine alternative for the CC2200 – CC3200 product range. Dynapac have had as a lead-star to always utilize the engine power as efficient as possible keeping both fuel consumption and emissions as low as possible. The new installation on CC2200 – CC3200 is no exception but on the contrary we have gathered together a number of features as standard to have best possible efficiency.

## T4 FINAL DIESEL ENGINE WITH HIGH TORQUE SETTING

We have used the 55 kW/ 75 hp Deutz TCD 3.6 HT engine. This is a turbo diesel with charge air cooler that have got a very good torque curve delivering the power in a, for a roller, very efficient way. It works with a Diesel Oxidation Catalyst (DOC) for emission reduction so it is a rather uncomplicated emission control system.



*The steep torque curve makes the engine act in a way that makes the roller strong also in hilly conditions*

## ECOMODE AS STANDARD

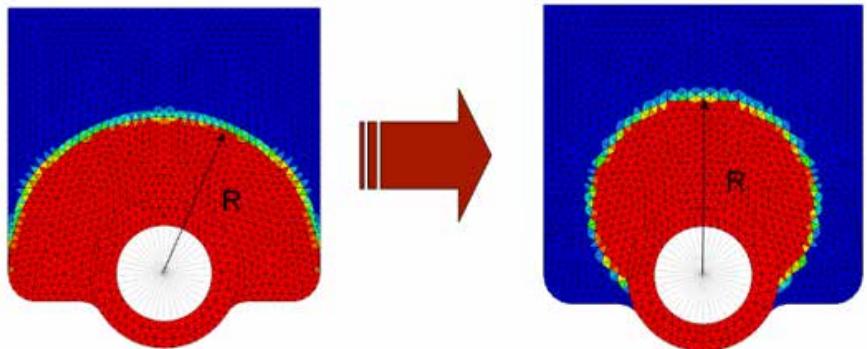
To make the CC2200 – CC3200 even more fuel efficient we have made ECO mode standard. With the ECO-mode system, it will be possible to come down 15% in fuel consumption. That means an essential amount of money saved on fuel. The ECO-mode will also make our already silent rollers even more silent as it keeps the engine rpm as low as possible.



# engine installation & highly efficient power utilization

## EFFICIENT PATENTED ECCENTRIC WEIGHTS AS STANDARD

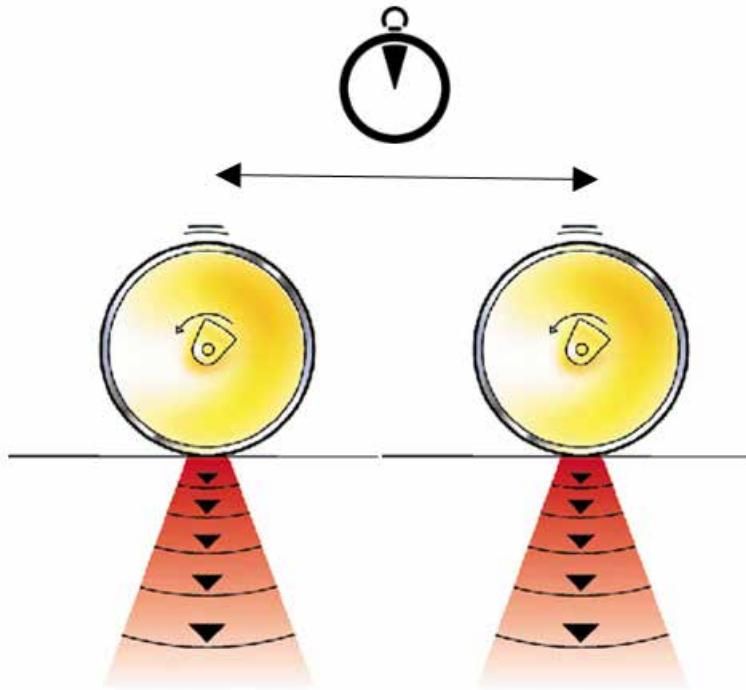
With our patented eccentric weights package designed for highest possible efficiency we gain as much as 50% lower power needed when starting up the eccentric weights. That is as much as 12 kW/ 16 hp less power needed. This in combination with our highly efficient two pump vibration system means much less need for a big diesel engine power and thereby lower fuel consumption.



*Optimized eccentric weights take 50%/ 12 kW (16 hp) lower power to start up*

## SERIAL START-UP OF THE DRUM VIBRATION

On the CC2200 – CC3200 with T4final installation we have programmed the vibration system to always make a small time difference between starting up the drum that goes first and the drum that goes last. This makes it possible to start up the drum vibration with very little drop in the diesel engine rpm making the roller very powerful with regards to the drive of the roller. It also makes the vibration reach the correct vibration frequency very fast.



*A small time difference in start-up makes vibration reach correct frequency very fast*

## TECHNICAL DATA

	CC2200	CC2300	CC3200
Drum width, in / mm	59 / <b>1500</b>	59 / <b>1500</b>	68 / <b>1730</b>
<b>Masses</b>			
Operating mass, lb / kg (incl. ROPS)	16,800 / <b>7600</b>	18,800 / <b>8500</b>	18,000 / <b>8150</b>
Module mass, lb / kg (front/rear)	8,400/8,400 / <b>3,800/3,800</b>	9,400/9,400 / <b>4,250/4,250</b>	9,000/9,000 / <b>4,075/4,075</b>
<b>Traction</b>			
Speed range, mph / km/h	0-7.5 / <b>0-12</b>	0-7.5 / <b>0-12</b>	0-7.5 / <b>0-12</b>
Vertical oscillation (Deg)	±7	±7	±7
Theor. Gradeability (%)	42	39	37
<b>Compaction</b>			
Centrifugal force, lb / kN (high/low amplitude)	17,540/15,060 / <b>78/67</b>	16,190/13,260 / <b>72/59</b>	20,230/16,860 / <b>90/75</b>
Nominal amplitude, in / mm (high/low)	0.03/0.01 / <b>0.7/0.3</b>	0.020/0.008 / <b>0.5/0.2</b>	0.03/0.01 / <b>0.7/0.3</b>
Static linear load lb/in / kg/cm (front/rear)	142/142 / <b>25.3/25.3</b>	152/152 / <b>28.3/28.3</b>	132/132 / <b>23.6/23.6</b>
Vibration frequency, VPM / Hz (high/low amplitude)	2,880/4,020 / <b>48/67</b>	2,880/4,020 / <b>48/67</b>	2,870/4,010 / <b>48/67</b>
Water tank, Gal / l	198 / <b>750</b>	198 / <b>750</b>	198 / <b>750</b>
<b>Engine</b>			
Manufacturer/Model	Deutz TCD 3.6 HT T4f	Deutz TCD 3.6 HT T4f	Deutz TCD 3.6 HT T4f
Type	Water Cooled Turbo Diesel w. After Cooler	Water Cooled Turbo Diesel w. After Cooler	Water Cooled Turbo Diesel w. After Cooler
Rated power, SAE J1995	75 hp / 55 kW @2,200 rpm	75 hp / 55 kW @2,200 rpm	75 hp / 55 kW @2,200 rpm

### OPTIONS INCLUDED IN NORTH AMERICAN PACKAGE

Asphalt Temp Meter	Rotating beacon
Automatic vibration control (AVC)	Sliding and swiveling operator's platform
Automatic water control (AWC)	Spring loaded scrapers
Back-up alarm	Sprinkler timer
Display: Engine temp, Fuel level, Frequency/impactometer, Hydr. temp	Sprinkler system additional (Two bars per drum)
Speedometer, Tachometer, Voltage, VPM, Water level	Steering wheel tilt able
Filters for sprinkler system	Vandal cover for instrument panel
Hydraulic check points	Vibration quick stop
Lunch box holder	Vibration shut off front or rear drum
Operator platform, shock mounted	Warning lights: Air cleaner, Brake, Clogged hyd fluid filter,
Pressurized sprinkler system	Engine oil pressure/temp, Hyd oil temp, Low charge, Low fuel
ROPS canopy w/suspension seat & 3" seat belt	Working lights, Rops mounted

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*Your Partner on the Road Ahead*



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