



DYNAPAC TANDEM ASPHALT ROLLER



Dynapac CC385HF



EFFICIENCY IN MIND

All Dynapac rollers benefit from solid experience, proven concepts – and advanced technology research. And when we introduce a line-up of new features, our first concern is real-life improvements for our users. Easy handling and servicing, and a clear focus on lasting performance.

180 degrees

The swiveling operator's module allow a 180° turn of seat, instruments and levers in order to keep

Visibility

The unique design ensures full visibility of drum surfaces, sprinkler nozzles and drum edges.

Water capacity

Large water capacity increases operating time between water refill breaks.

Compaction data

Compaction data that make the machine versatile. A wide frequency and amplitude range provides optimization for any layer thickness.





DCA-A
Optional DCA-A helps you do a perfect job.

Operator platform
Open platform and ROPS/FOPS integrated CAB are available as option, always with the sliding and

Low emissions
The Dynapac CC385HF comes equipped with a powerful & fuel efficient water cooled KOEL engine , compliant with Bharat Stage-III emission norms

Service friendly
Service-friendly hydraulics routing & roomy engine compartment. The location on the rear module reduces noise and heat for the operator.

Steering hitch
Heavy-duty maintenance-free steering hitch high mounted to allow trouble-free access for engine and water tank maintenance.

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Control panel with valuable information

The clear LCD control panel gives operators the information they need. All the gauges are displayed and the operator can change between menus at the touch of a button. Further information about compaction results and guidance can be provided through the optional DCA-A system.

Compacts any type of asphalt mix

With high frequency/low amplitude for thin layers and high amplitude for thick layers the machines are versatile and will efficiently compact any type of asphalt mix. Thin layers with high stone content cool off quickly and need to be compacted fast, but use of a high amplitude risks crushing the aggregate. Dynapac recommends a high frequency and lower amplitude.

Powerful engine

The Dynapac CC385HF comes equipped with a powerful & fuel efficient water cooled KOEL engine, compliant with Bharat Stage-III emission norms.

Dynapac's automatic engine idling system together with a highly efficient hydraulic system makes fuel consumption low and efficient. Infinite adjustable maximum speed is standard.





Impactometer

Optimizes speed and avoids rippling.

	Frequency		Speed		Impacts	
	Hz	vpm	Km/h	mph	/meter	/feet
CC385HF	67	4020	7,7	4,8	31	10
CC385HF	50	3000	5,7	3,5	32	10

$[(l/m)=\text{frequency/velocity}[(l/s)/(m/s)]$

Electronic drive control

Smooth start and stop prevents shuffling Transport mode and working mode with different characteristics

Infinitely adjustable maximum speed as standard Display with all vital working and compaction information; speedometer in centre, as well as the Impactometer.

Easy to read the display and simple to use the menus.

Easy to change between Metric and Imperial values.



Steering hitch

Heavy-duty maintenance-free steering hitch high mounted to allow trouble-free access for engine and water tank maintenance.

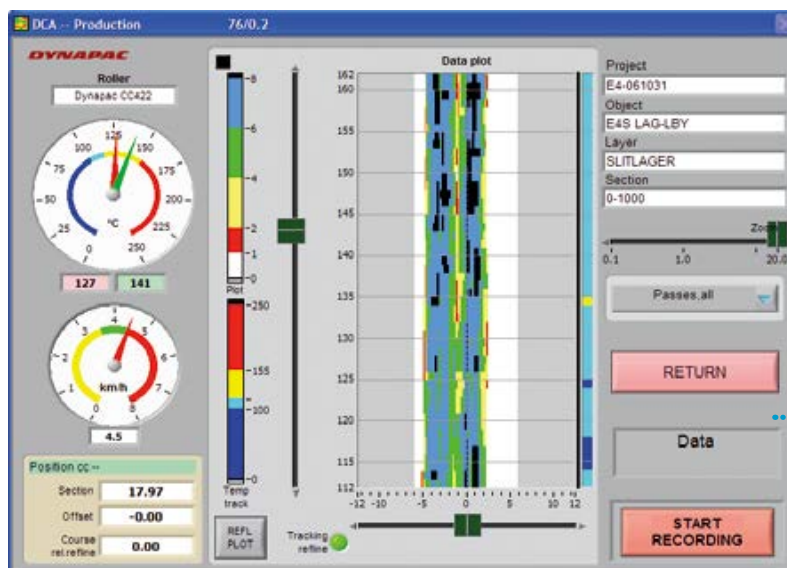
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Dynapac Compaction Analyzer

Compaction is precision work. In order to reach the right density and obtain the right surface texture, a series of parameters must be monitored. By using the Dynapac DCA-A compaction analyzer this delicate task becomes a lot easier. Graphic, real-time display of temperature and number of passes, plus the support of GPS positioning, help you in making every job world class.

Furthermore, DCA-A provides full statistics, documentation and thorough data for quality analysis. The rolling pattern can be played back and all results printed on paper or to a PDF file. It is easy to understand how these benefits improve quality and clients' trust in your capabilities. The DCA-A analysis tool takes the guesswork out of compaction.



Compaction analysis

Temperature- first and last pass

Number of passes at each position inside and outside the temperature range

Playback of the rolling pattern

Full statistics

Print to paper or export to PDF

Compaction Documentation

Number of passes

Surface temperature (core temperature)

Graphic display of the temperature and the number of passes

Background material for the quality analysis

Support for continuous improvements of the paving process, rolling patterns and overall compaction results

The pass-count and asphalt temperature are presented in real-time on the operator screen - providing vital information for a successful compaction job.

TECHNICAL DATA

Masses (kg) CC385HF

Operating mass with ROPS	9400
Operating mass	9100
Drum module mass,front/rear	4550/4550

Traction

Speed range (km/h)	0-12
Vertical oscillation(°)	±7
Articulation (°)	±32
Theor. gradeability (%)	37

Compaction

Static Linear load, front/rear (kg/cm)	26,3/26,3
Nominal amplitude, high/low (mm)	0.7/0.3
Vibration frequency, at high/low amplitude (Hz)	50/67
Centrifugal force, at high/low amplitude (kN)	101/75
Water tanks, front/rear (l)	750

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)	140

Hydraulic system

Driving	Axial piston pump with variable displacement Axial piston motors (2) with variable displacement
Vibration	Axial piston pump with variable displacement Axial piston motors (2) with constant displacement
Steering	Gear pump with constant displacement
Service brake	Hydrostatic in forward and reverse lever
Parking/Emgerency brake	SAHR Drum Brakes

Dimensions (mm)

Length Overall	Width Overall	Drum Width	Drum Diameter
4490	1730	1730	1150

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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www.atlascopco.com
www.dynapac.in

