

CC424HF

Double drum vibratory rollers

DYNAPAC

Part of the Atlas Copco Group



Technical data



Masses

Max. operating mass	11,350 kg
Operating mass (incl. ROPS)	10,200 kg
Module mass (front/rear)	5,100/5,100 kg



Traction

Speed range	0-12
Vertical oscillation	±7°
Theor. gradeability	45 %



Compaction

Centrifugal force (high/low amplitude)	139/92 kN
Nominal amplitude (high/low)	0.8/0.3 mm
Static linear load (front/rear)	29.5/29.5 kg/cm
Vibration frequency (high/low amplitude)	51/67 Hz
Water tank (l)	900



Hydraulic system

Driving	Axial piston pump with variable displacement. Axial piston motors (2) with variable displacement.
Vibration	Axial piston pumps (2) 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/ Emergency brake	Failsafe multidisc brake in both drums.



Engine

Manufacturer/Model	Cummins QSB 4.5 IIIB/T4i
Type	Water cooled turbo Diesel with After Cooler
Rated power, SAE J1995	97 kW (130 hp) @ 2,200 rpm
Fuel tank capacity	240 l



Engine

Manufacturer/Model	Cummins QSB4.5 IIIA/T3
Type	Water cooled turbo Diesel with After Cooler
Rated power, SAE J1995	93 kW (125 hp) @ 2,200 rpm

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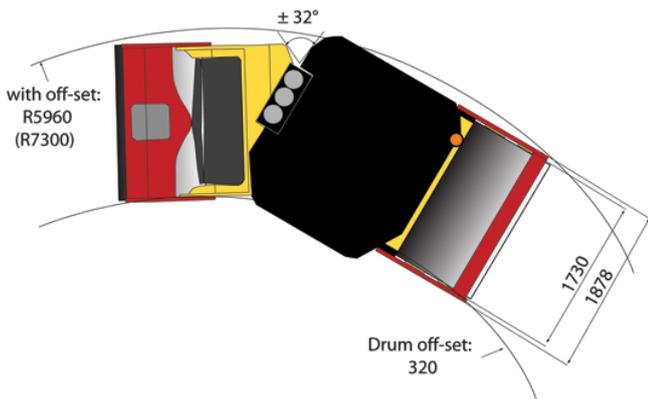
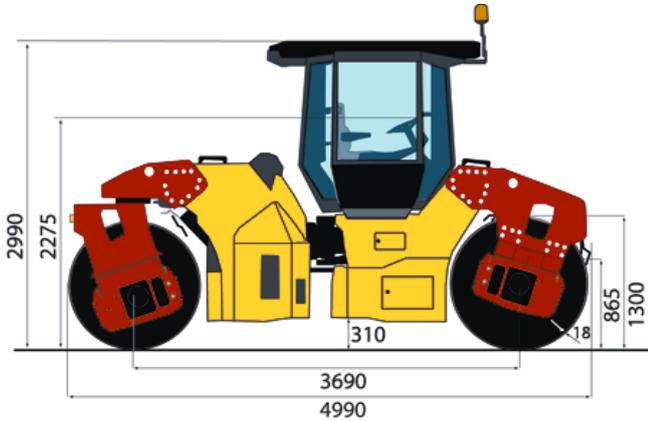
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Standard equipment

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

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Service and repair kits

Type of kit	P/N	Serial Number/Additional info
Shock absorber kit	4700945904	
Eccentric shaft kit	4700945903	
Drum rotation kit	4700938891	
Compaction Analyzer for asphalt (DCA-A)	470PP81163	DCA-A COMPACTION ANALYZER FOR ASPHALT, ONLY EQUIPMENT
Edge press, joint cutter disc	470PP81100	EDGE PRESS DEVICE, JOINT CUTTER DISC, 120 MM 4.7 INCH
Edge press, joint cutter disc	470PP81101	EDGE PRESS DEVICE, JOINT CUTTER DISC, 150 MM 5.9 INCH
Tachograph kit	470PP81083	TACHOGRAPH
Tachograph kit	470PP81162	TACHOGRAPH, ONLY INSTRUMENT
Edge press kit	470PP81098	EDGE PRESS, FRONT RIGHT MOUNTED.
Rotating beacon kit	470PP81095	ROTATING BEACON
Working lights kit	470PP81096	Std H3 lights
Working lights kit	470PP81097	Xenon lights
Driving lights kit	470PP81144	



Recommended fluids

Used in	Fluid Type	Volume	Additional info
Drum oil	Dynapac Drum Oil 1000	2 x 14 liter	Change oil every 1000 hours (every 6 months)
Transmission oil	Dynapac Gear Oil 300	2 x 1,5 liter	Change oil after first 50 hours then every 1000 hours (every 6 months)
Engine	Atlas Copco Engine 100	11 liter	Change oil after first 50 hours then every 500 hours (every 3 months)
Hydraulic system	Atlas Copco Hydraulic 300	40 liter	Change oil every 2000 hours (yearly)

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