DYNAPAC PNEUMATIC TYRE ROLLERS

DYNAPAC CP1200 / CP1200W /
CP2100 / CP2100W and CP2700

DYNAPAC
FAYAT GROUP

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DYNAPAC PRESENTS A SERIES OF PNEUMATIC TYRE ROLLERS in the 21 - 27 ton weight class including a 21 ton wide base tyre version. The CP2100, CP2100W and CP2700 incorporate several new features that will enhance efficiency, serviceability, operator comfort and the end result. The unique cab design offers an outstanding workplace for the operator, and the dual-circuit braking system is another Dynapac-only feature.
With genuine Dynapac performance you can add the final touch to any project. The flexible ballast solution, the versatile scraper and sprinkler solutions and possibility for Air-On-the-Run, heat covers, asphalt temperature meter, edge presser/cutter and speedometer makes the machines optimal to seal surfaces. Thanks to its weight, it also serves as a roller for other types of ground.

THE DYNAPAC TOUCH

PERFORMANCE

A pneumatic tyre roller is a specialized machine – with a wide range of applications. Finishing and sealing are obvious ones but soil compaction can also be carried out with top quality. A significant feature is the smooth start-stop procedure when changing driving direction. The air-on-the-run option and backup sprinkler further enhance the end result quality.

SAFETY

The braking system has two separate circuits which are able to maintain full braking capacity even if a damaged hose or other failure should disable one of the circuits.

Visibility and manoeuvrability are safety cornerstones. Dynapac's cab design, as well as the 4-post ROPS, minimizes obstruction of the operator's field of view. Also, precise steering and the powerful braking system keep the operator in control.

ERGONOMICS

In a Dynapac roller, the seat, steering wheel, dashboard and controls are built as an integrated unit, easily adjusted to personal preferences. The entire operator unit can slide and rotate in order to give the best visibility and working conditions possible. Add to that a wide range of options, including air condition or automatic climat control, as well as on-screen troubleshooting information.

ENVIRONMENTAL CARE

Every Dynapac is designed and built with focus on reduced environmental impact. Optimized hydraulic systems and engines reduce fuel consumption and emissions, and engines complying with Stage IIIA /Tier 3 or Stage IV/Tier4Final depending on emission requirements.
Biodegradable hydraulic fluid can be used, and it is easy to change engine liquids and hydraulic fluid without risk of spillage. To reduce noise, the cooling fans are thermostatically controlled, and the entire machine produces a surprisingly low level of ambient noise.

SERVICEABILITY

Daily service points are few and the large hood and location of filters and filler caps make routine service tasks smooth and fast. And in order to assist the operator, service information is displayed on the dashboard LCD.

Several Dynapac models share many common components and subsystems. This modularization simplifies stock keeping of spare parts and enable quicker service to end-users.

	CP2100	CP2100W	CP2700
Operating mass, kg (Cab)	10 550	10 550	12 500
Operating mass, kg (Rops)	10 400	10 400	12 350
Operating mass, kg (Canopy)	9 800	9 800	11 750

ECOMODE

We are proud to announce that we have fulfilled our promise to offer customers soil and asphalt rollers with very low fuel consumption. The secret is our EcoMode. We closely monitored the fuel consumption of the new rollers. As a result, we can now confirm that in EcoMode, all big PTR can get up to 30% less fuel consumption than our previous range without EcoMode.

Redundant dual-circuit braking system for increased reliability and safety. This means that full braking capacity is maintained even if a damaged hose or other failure should disable one of the circuits.

The new CP2100/2700 rollers are under three metres in height with Cab or ROPS. This can be a key factor when transporting the roller between worksites.

Dyn@Link provides a tool to monitor and manage the roller fleet efficiently and conveniently.

Asymmetrical cab and ROPS with a wide range of optional equipment.

Engine type Stage IIIA/Tier 3 or Stage IV/Tier4Final standard for all markets depending on emission regulation.

Optional back-up sprinkler pump.

Choice of two travel speeds

24 volts electrical system increases cranking capacity and general durability.

Easy and fast drain of water ballast increases productivity.

Optional air-on-the-run for adjusting tyre pressures.

Fully hydraulic propulsion reduces maintenance costs.

Modular design enhances serviceability.

ATTENTION TO DETAILS - THE BASE OF PERFECTION

VALUE YOU CAN COUNT ON

- The flexible ballast system allows the use of water, sand or metal as ballast. The frame is water tight and the ballast can be placed for optimum weight distribution over the wheels. CP2700 has a large surface capability due to the width of the machine and high speed possibility. Large tire overlap and a water system that on all times keep the tires wet also contributes to the large productivity.

- Modularization allows for faster service response and keeps maintenance costs low, and the common parts and systems between different product lines simplify technician training and inventory. In the short term, this means maximum uptime, productivity and profitability on the job. In the long term, a well-maintained roller has up to a 15% higher resale value.

- The operator has a direct impact on compaction efficiency and cost. With one of the most modern operator platforms on the market and a dual-circuit braking system that maintains full braking operations even if one circuit is disabled, the operator works in comfort and safety – increasing productivity on the job.

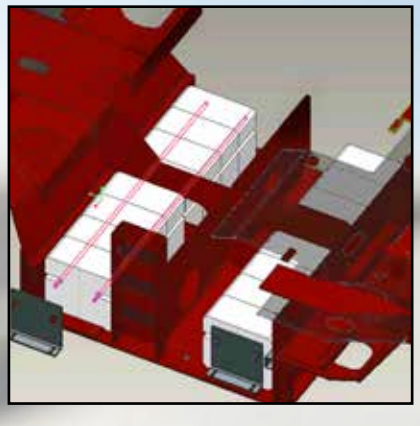
- Paving and compaction often take place at night, when working speed can drop by 20% due to poor visibility. Optional LED lights create a safer job site for nighttime operations and help maintain productivity.

- An optimized hydraulic system and thermostat regulated cooling fans can reduce fuel consumption by 3-4% compared to a traditional system.

The operator unit is designed with operator comfort and safety in mind. The whole unit can slide and rotate to give the best visibility and working conditions possible.

FLEXIBLE STEEL BALLAST COMPARTMENT

There is a very flexible steel ballast system for easy weight adjustment improving performance in any job site. To achieve the same ground pressure on front and rear tyres, the ballast is distributed evenly, whether water, sand or steel is used.



DYNAPAC CP2100/2100W: FLEXIBLE STEEL BALLAST SYSTEM WITH 2 OPTIONS
Steel ballast, 3500 kg
Steel ballast, 6600 kg

DYNAPAC CP2700: FLEXIBLE STEEL BALLAST SYSTEM WITH 3 OPTIONS
Steel ballast, front, 1150 kg
Steel ballast, 4000 kg
Steel ballast, 8000 kg

DYNAPAC CP2100/2100W APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg operator, full fuel tank, full water tank, full hydraulic system
Note: Wet sand ballast weight based on 2000 kg per m3

WEIGHTS	CANOPY, kg	ROPS/FOPS, kg	CAB, kg
Shipping weight (Empty tanks, no operator)	9 250	9 850	10000
Operating Weight / Machine empty	9 800	10 400	10550
Operating Weight / Water ballast	12 200	12 800	12950
Operating Weight / Wet sand ballast	14 600	15 200	15350
Operating Weight / 6600 kg steel ballast	16 400	17 000	17150
Operating Weight / Water + 6600 kg Steel ballast	17 800	18 400	18550
Operating Weight / Wet sand + 6600 kg steel ballast (MAX)	20 250	20 850	21000
Operating Weight / 3500 kg steel ballast	13 300	13 900	14050
Operating Weight / Water + 3500 kg steel ballast	15 200	15 800	15950
Operating Weight / Wet sand + 3500 kg steel ballast	17 100	17 700	17850

DYNAPAC CP2700 APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg operator, full fuel tank, full water tank, full hydraulic system
Note: Wet sand ballast weight based on 2000 kg per m3

WEIGHTS	CANOPY, kg	ROPS/FOPS, kg	CAB, kg
Shipping weight (Empty tanks, no operator)	11250	11850	12000
Operating Weight / Machine empty	11750	12350	12500
Operating Weight / 1150 kg front ballast added	12900	13500	13650
Operating Weight / Water ballast	15900	16500	16650
Operating Weight / Wet sand ballast	18900	19500	19650
Operating Weight / 8000 kg steel ballast	20900	21500	21650
Operating Weight / Water + 8000 kg steel ballast	22800	23400	23550
Operating Weight / Wet sand + 8000 kg steel ballast (MAX)	26250	26850	27000
Operating Weight / 4000 kg steel ballast	16900	17500	17650
Operating Weight / Water + 4000 kg steel ballast	19350	19950	20100
Operating Weight / Wet sand + 4000 kg steel ballast	21800	22400	22550

THE HIGHLY COST-EFFICIENT CP1200 is the smallest of Dynapac's series of pneumatic tyre rollers. This machine shares many of the features that make Dynapac a strong and reliable partner for all kinds of jobs. Performance always comes first, and with our efforts in serviceability and ergonomics you can stay assured that efficiency and top quality results will last for the machine's entire lifetime. The CP1200 is used for chip-sealing and to compact asphalt for sealing purposes, and to compact base, sub-base and stabilized soil. The wide base version CP1200W features large surface capacity, large tire overlap and a fantastic view over the outermost front tires.

VALUE FOR MONEY

STRONG AND SMOOTH

Dynapac CP1200 has power reserves enough to ensure effortless and efficient finishing and sealing. Add to that the smooth start-stop procedure and you have a trusty working companion for long efficient passes. The power source is the reliable Cummins QSF2.8 Stage IIIA /Tier 3 or Stage IV/Tier4Final with an output of 55kW or 74 hp which provides fuel efficiency and less noise to the operator.

RELIABLE PERFORMANCE

The ergonomic designed F/R handle, located on the right side of the operator's seat, makes operation smooth and easy. With full control of the engine power applied the surface quality and end result is maintained at top level. Perfect balance is provided by the flexible steel ballast system for easy weight adjustment improving performance in any job site. To achieve the same ground pressure on front and rear tyres, the ballast is distributed evenly, whether water, sand or steel is used.

SAFE AND SECURE

A clear view and undisturbed driver control are important properties both from a quality and a safety viewpoint. In the CP1200 the operator seat is placed in the centre, and the ROPS is placed not to obstruct the view. The operator can keep an eye on the finest details – and stay aware of movements close to the machine.

BUSINESS AND PLEASURE

In the Dynapac CP1200,the operator's unit feature a very user-friendly instrument panel. All indicators, switches and controls are clearly visible and easily reached. At Dynapac, we are convinced that efficient and profitable operation is directly connected to the quality of the drivers environment. The CP1200 can be offered with Canopy, ROPS or Cab and also the optional rotating operator's station allows operator to swivel control console from left side to right side for maximmun operators comfort.

ENVIRONMENTAL CARE

Protection of our environment and careful use of resources are keywords in all Dynapac development. We strive for reduced fuel consumption and emissions, and engines complying with Stage IIIA /Tier 3 or Stage IV/Tier4Final are fitted as standard. Our machines allow the use of bio-degradable hydraulic fluids, and by cautious design we have reduced the risk of spillage.

DYNAPAC CP1200/CP1200W

Operating mass, kg (incl. Cab)	5 850
Operating mass, kg (incl. ROPS/FOPS)	5 550
Operating mass, kg (incl. Canopy)	5 350

DYNAPAC CP1200/CP1200W PNEUMATIC ROLLER

Canopy / ROPS Cab / ROPS/FOPS versions available

Swivel seat available as optional

55kW / 74 hp 2,8 L Stage IIIA /Tier 3 or Stage IV/Tier4Final - Cummins engine (low fuel consumption)

Process and rear view mirrors available as optional.

Modern scrapers combined with cocoa mats keep the tyres clean and reduce the risk of picking.

Air on the run (CP1200) and Heat cover wheels available as optional

Picture shows CP1200W

FLEXIBLE STEEL BALLAST SYSTEM WEIGHTS

Flexible Steel ballast system and possible wet/sand or water ballast (incl. cab)

Basic unit 5,8 tons
Basic unit + water 7,5 tons
Basic unit + wet sand 9,1 tons
Basic unit + 8 plates 8,7 tons
Basic unit + 8 plates + water 10,1 tons
Basic unit + 8 plates + wet sand 11,9 tons
Basic unit + 12 plates 12,1 tons

Picture shows CP1200

DYNAPAC PNEUMATIC TYRE ROLLERS

	CP1200	CP1200W	CP2100	CP2100W	CP2700
Operating mass*, kg (incl. Cab)	5 850	5 850	10 550	10 550	12 500
Max. operating mass*, kg (incl. Cab)	12 100	12 100	21 000	21 000	27 000
Wheel load, std/max, kg/wheel	650/1350	650/1350	1500/3000	1500/3000	1400/3000
Speed, km/h	0-16	0-16	0-20	0-20	0-20
Propulsion, rear	4 Wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels
Number of tires	5 front/4 rear	5 front/4 rear	3 front/4 rear	3 front/4 rear	5 front/4 rear
Tyre pressure, kPa	240-830	150-600	240-830	240-830	240-830
Water tank, liters	410	410	415	415	415
DIMENSIONS					
Compaction width, mm	1 760	2 090	1 800	2 265	2 300
Length, mm	3 660	3 660	5 180	5 180	5 480
Width, mm	2 050	2 080	2 032	2 265	2 332
Height, with ROPS/cab, mm	2 950	2 950	2990	2945	2990
ENGINE					
Model, Stage IIIB/T4f	Cummins QSF 2.8	Cummins QSF 2.8	Cummins QSF 3.8	Cummins QSF 3.8	Cummins QSF 3.8
Rated power, SAE J1995, at 2200 rpm, kW (hp)	55 (74)	55 (74)	89 (120)	89 (120) / 97 (130)	89 (120) / 97 (130)
Model, Stage IIIA/T3	Cummins QSB 2.8	Cummins QSB 2.8	Cummins QSB 3.3	Cummins QSB 3.3	Cummins QSB 4.5
Rated power, SAE J1995, at 2200 rpm, kW (hp)	55 (74)	55 (74)	74 (99)	74 (99)	82 (110)

**Operating weight includes: Cab, all fluids and 75 kg driver weight. Wet sand weights based on 2 m3 per ton*

Standard Equipment CP1200/W

Arm rest
Backup alarm
Battery switch
Documentation (Manuals), one set
Emergency stop
Fuel level display
Horn
Hour meter
Hydraulic check points
Hydraulic oil lever indicator
Interloc system
Key master and start
Lifting and tiedown eyes
Mirrors, traffic view
Neutral start arrangement
Parking brake
Pressurized sprinkler system
Rotating beacon
Seat with suspension
Single scrapers
Sliding and swiveling operator unit
Speedometer
Sprinkler system
Sprinkler timer
Standard Platform
Tachometer display
Towing eyelet, rear
Warning – Air cleaner
Warning – Brake
Warning – Clogged hydraulic oil filter
Warning – Engine temperature
Warning – Engine oil pressure
Warning – Hydraulic fluid temperature
Warning – Low charge
Warning – Low fuel level
Working lights LED, front/rear

Optional Equipment CP1200/W

Flexible Steel ballast option
8 steel ballast (3500 kg), front
12 steel ballast (5300 kg), front & rear
Air On the Run system (CP1200 only)
Asphalt temperature meter
Biologically degradable hydraulic oil
Canopy or ROPS/FOPS or Cab incl. ACC
Cocoa mats
Driving lights, RH or LH
Dyn@Link
Dyn@Link advanced
Emulsion tank
Fire extinguisher
First aid box
Heat covers for wheels
Michelin Tires (CP1200 only)
Mirrors, process view
Radio & MP3 player (Cab)
Rotating beacon, LED
Rotating beacon, Ignition Control, LED
Seat belts, 2"or 3" (ROPS or Cab)
Seat luxury (ROPS or Cab)
Slow Moving Vehicle sign
Spare tyre
Sprinkler pump, back up
Tool set
Towing eyelet, front
Vandal cover (Canopy or ROPS/FOPS)
Water tank lockable
Working lights, night LED

Standard Equipment CP2100/2100W/2700

Battery switch
Documentation (Manuals), one set
Drainage for water ballast
Emergency stop
Engine temperature display
Fuel level display
Horn
Hour meter
Hydraulic checkpoints
Hydraulic fluid temperature display
Hydrostatic drive with 2 motors
Interloc system
Key master and start
Lifting and tiedown eyes
Multi-disc brakes for parking and dynamic service brake
Parking brake
Redundant brake system
Sliding and swiveling operator unit
Tachometer display
Tilt steering wheel
Warning – Air cleaner
Warning – Brake
Warning – Clogged hydraulic oil filter
Warning – Engine oil pressure
Warning – Engine temperature
Warning – Hydraulic fluid temperature
Warning – Low charge
Warning – Low fuel level
Voltage meter display

Optional Eqipment CP2100/2100W/2700

Steel ballast, front (1150 kg), CP2700
Steel ballast (4000 kg), CP2700
Steel ballast (8000 kg), CP2700
Steel ballast (3500 kg), CP2100
Steel ballast (6600 kg), CP2100
Air On the Run system
Asphalt temperature meter
AWC (Automatic Water Control)
Back up alarm
Back up camera
Biodegradable hydraulic fluid
Canopy or ROPS/FOPS or Cab
Cocoa mats
Driving lights, RH or LH
Dyn@Link
Dyn@Link advanced
Edge cutter
Fire extinguisher
First aid box
Heat covers for wheels
Licence plate holder with light
Mirrors, process view
Mirrors, traffic view
Rotating beacon
Slow Moving Vehicle sign
Sprinkler and scraper system
Sprinkler pump, back up
Sprinkler timer
Tool set
Towing eyelets front & rear
Vandal cover (Canopy or ROPS/FOPS)
Water level gauge
Water tank covers, lockable
Working lights, front/rear
ROPS, 4 posts, with roof and seat belt
Rotating beacon
Seat, luxury for platform and cab
Slow moving vehicle sign
Sprinkler and scraper system
Sprinkler back up pump
Sprinkler timer
Steel ballast
Tool set
Towing eyelets front & rear
Vandal cover for instrument panel (not cab)
Water level gauge
Water tank covers, lockable
3 inch seat belt

Standard Equipment Cab CP2100/2100W/2700

Air filtering system
Fan, fresh air (3-speed)
Heater
Interior light
Rear view mirror, internal
Safety glass, tinted
Seat belt, 2"
Seat with suspension
Side windows, openable
Wiper with washer, front/rear

Optional Equipment Cab CP2100/2700

Air conditioning (ACC)
Radio & MP3 player
Rear view mirrors, external
Seat belt, 3"
Seat, luxury for cab

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Your Partner on the Road Ahead

DYNAPAC
FAYAT GROUP

Dynapac Compaction Equipment AB
Industrivägen 2, 371 31 Karlskrona, Sweden
Phone: +46 455 30 60 00 - Fax: +46 455 30 60 30
www.dynapac.com