

# DYNAPAC PNEUMATIC TYRE ROLLERS



DYNAPAC CP1200 / CP1200W /  
CP2100 / CP2100W and CP2700



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 climate 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 sub-systems. 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

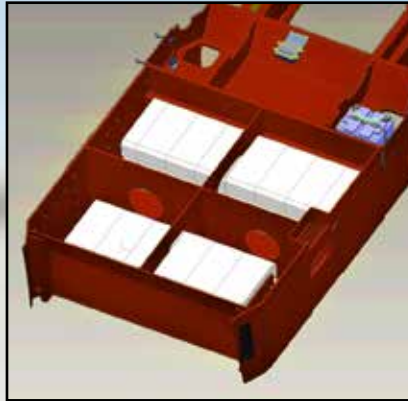
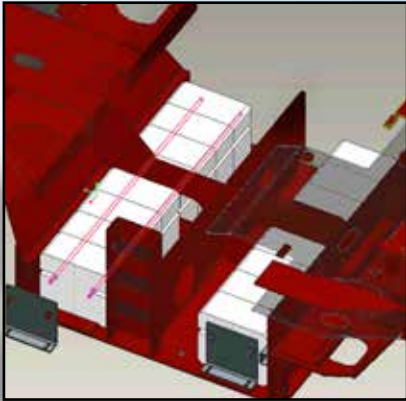
- The flexible ballast system allows the use of water, sand or metal as ballast. The frame is water tight and the ballast can be placed for optimum weight distribution over the wheels. CP2700 has a large surface capability due to the width of the machine and high speed possibility. Large tire overlap 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 Weight 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 m<sup>3</sup>

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 Weight 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 m<sup>3</sup>

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 features 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 driver's 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 maximum operator's 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.



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

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

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
<b>DIMENSIONS</b>					
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	2 990	2 945	2 990
<b>ENGINE</b>					
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 Equipment 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



Your Partner on the Road Ahead