

DYNAPAC PNEUMATIC TIRE ROLLERS



DYNAPAC CP1200 / CP1200W /
CP2100 / CP2100W and CP2700



DYNAPAC PRESENTS A SERIES OF PNEUMATIC TIRE ROLLERS in the 21 - 27 ton weight class including a 21 ton wide base tire 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 tire 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 Tier4Final.

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, lb (incl. Cab) | 23,250 | 23,250 | 27,550 |
| Operating mass, lb (incl. ROPS/FOPS) | 22,900 | 22,900 | 27,200 |
| Operating mass, lb (incl. Canopy) | 21,600 | 21,600 | 25,900 |



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 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

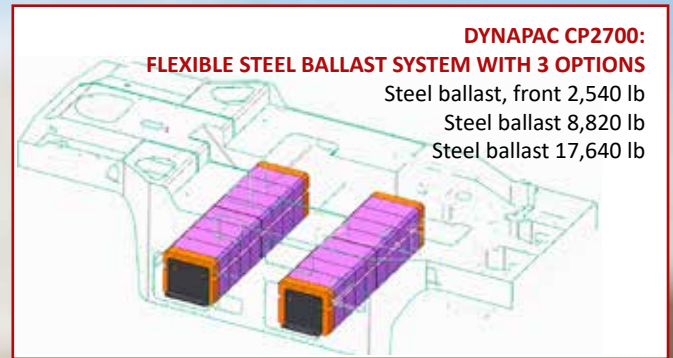
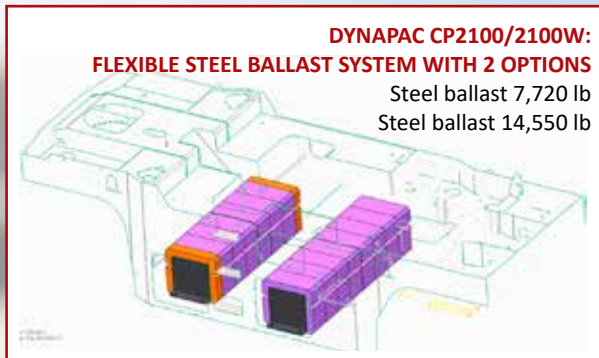
- The flexible ballast system allows the use of water, sand or metal as ballast. The frame is water tight and the ballast can be placed for optimum weight distribution over the wheels. CP2700 has a large surface capability due to the width of the machine and high speed possibility. Large tire overlap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

Operating Weight includes lubricants, coolant, 165 lb operator, full fuel tank, full water tank, full hydraulic system
 Note: Wet sand ballast weight based on 4,400 lbs per m³

| WEIGHTS | CANOPY, lbs | ROPS/FOPS, lbs | CAB, lbs |
|--|-------------|----------------|----------|
| Shipping weight (Empty tanks, no operator) | 20,400 | 21,700 | 22,050 |
| Operating Weight / Machine empty | 21,600 | 22,900 | 23,250 |
| Operating Weight / Water ballast | 26,900 | 28,200 | 28,550 |
| Operating Weight / Wet sand ballast | 32,200 | 33,500 | 33,850 |
| Operating Weight / 14,550 lbs steel ballast | 36,200 | 37,500 | 37,850 |
| Operating Weight / Water + 14,550 lbs steel ballast | 39,250 | 40,550 | 40,900 |
| Operating Weight / Wet sand + 14,550 lbs steel ballast (MAX) | 44,650 | 45,950 | 46,300 |
| Operating Weight / 7,720 lbs steel ballast | 29,350 | 30,650 | 31,000 |
| Operating Weight / Water + 7,720 lbs steel ballast | 33,500 | 34,800 | 35,150 |
| Operating Weight / Wet sand + 7,720 lbs steel ballast | 37,700 | 39,000 | 39,350 |

DYNAPAC CP2700 APPROXIMATE WEIGHTS

Operating Weight includes lubricants, coolant, 165 lb operator, full fuel tank, full water tank, full hydraulic system
 Note: Wet sand ballast weight based on 4,400 lbs per m³

| WEIGHTS | CANOPY, lbs | ROPS/FOPS, lbs | CAB, lbs |
|--|-------------|----------------|----------|
| Shipping weight (Empty tanks, no operator) | 24,800 | 26,100 | 26,450 |
| Operating Weight / Machine empty | 25,900 | 27,200 | 27,550 |
| Operating Weight / 2,540 lbs front ballast added | 28,450 | 29,750 | 30,100 |
| Operating Weight / Water ballast | 35,100 | 36,400 | 36,750 |
| Operating Weight / Wet sand ballast | 41,700 | 43,000 | 43,350 |
| Operating Weight / 17,640 lbs steel ballast | 46,100 | 47,400 | 47,750 |
| Operating Weight / Water + 17,640 lbs steel ballast | 50,300 | 51,600 | 51,950 |
| Operating Weight / Wet sand + 17,640 lbs steel ballast (MAX) | 57,900 | 59,200 | 59,550 |
| Operating Weight / 8,820 lbs steel ballast | 37,300 | 38,600 | 38,950 |
| Operating Weight / Water + 8,820 lbs steel ballast | 42,700 | 44,000 | 44,350 |
| Operating Weight / Wet sand + 8,820 lbs steel ballast | 48,050 | 49,350 | 49,700 |



THE HIGHLY COST-EFFICIENT CP1200 is the smallest of Dynapac's series of pneumatic tire 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 maximum 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 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, lb (incl. Cab) | 12,900 |
| Operating mass, lb (incl. ROPS/FOPS) | 12,200 |
| Operating mass, lb (incl. Canopy) | 11,800 |

DYNAPAC CP1200/CP1200W PNEUMATIC ROLLER

Canopy / ROPS Cab / ROPS/FOPS versions available

Swivel seat available as optional

55kW / 74 hp 2,8 L Stage Tier4 Final - 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 12,900 lbs

Basic unit + water 16,500 lbs

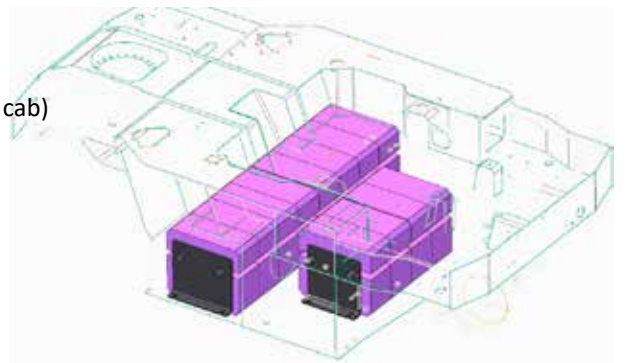
Basic unit + wet sand 20,100 lbs

Basic unit + 8 plates 19,200 lbs

Basic unit + 8 plates + water 22,300 lbs

Basic unit + 8 plates + wet sand 26,200 lbs

Basic unit + 12 plates 26,700 lbs



DYNAPAC PNEUMATIC TIRE ROLLERS

| | CP1200 | CP1200W | CP2100 | CP2100W | CP2700 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| Operating mass*, lb (incl. Cab) | 12,900 | 12,900 | 23,250 | 23,250 | 27,550 |
| Max. operating mass*, lb (incl. Cab) | 26,700 | 26,700 | 46,300 | 46,300 | 59,550 |
| Wheel load, std./max, lb/wheel | 1,430/2,970 | 1,430/2,970 | 3,320/6,610 | 3,320/6,610 | 3,060/6,610 |
| Speed, mph | 0-10 | 0-10 | 0-12 | 0-12 | 0-12 |
| 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, psi | 35-120 | 22-87 | 35-120 | 35-120 | 35-120 |
| Water tank, gal | 92 | 92 | 110 | 110 | 110 |
| DIMENSIONS | | | | | |
| Compaction width, in | 69 | 82 | 71 | 89 | 91 |
| Length, in | 144 | 144 | 204 | 204 | 216 |
| Width, in | 81 | 82 | 80 | 89 | 92 |
| Height, with ROPS/cab, in | 116 | 116 | 118 | 116 | 118 |
| ENGINE | | | | | |
| Model, Stage 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, hp | 74 | 74 | 120 | 120 | 120 |

*Operating weight includes: Cab, all fluids and 165 lbs driver weight. Wet sand weights based on 2 m3 per ton

Standard Equipment CP1200/W

Arm rest
Backup alarm
Battery switch
Cocoa mats
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, process view
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 (7,720 lb), front
12 steel ballast (11,690 lb), front & rear
Air On the Run system (CP1200 only)
Asphalt temperature meter
Biologically degradable hydraulic oil
Canopy or ROPS/FOPS or Cab incl. ACC
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)
Radio & MP3 player (Cab)
Rotating beacon, LED
Rotating beacon, Ignition Control, LED
Seat belts, 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

AWC (Automatic Water Control)
Battery switch
Back up alarm
Back up camera
Cocoa mats
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
Mirrors, traffic view
Multi-disc brakes for parking and dynamic service brake
Parking brake
Rotating beacon
Redundant brake system
ROPS/FOPS, 4 post with roof and 3" seat belt
Sliding and swiveling operator unit
Steel ballast, front (2,540 lbs), CP2700 only
Sprinkler and scraper system
Sprinkler pump, back up
Sprinkler timer
Tachometer display
Tilt steering wheel
Vandal cover (Canopy or ROPS/FOPS)
Water level gauge
Water tank covers, lockable
Working lights, front/rear
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 (8,820 lb), CP2700
Steel ballast front + rear (17,640 lb), CP2700
Steel ballast front (7,720 lb), CP2100
Steel ballast front + rear (14,550 lb), CP2100
Air On the Run system
Asphalt temperature meter
Biodegradable hydraulic fluid
Canopy or ROPS/FOPS or Cab
Driving lights, RH or LH
Dyn@link
Dyn@link advanced
Fire extinguisher
First aid box
Heat covers for wheels
Licence plate holder with light
Mirrors, process view
Slow Moving Vehicle sign
Tool set
Towing eyelets front & rear

Standard Equipment Comfort Cab CP2100/2100W/2700

Air conditioning (ACC)
Air filtering system
Fan, fresh air (3-speed)
Heater
Interior light
Radio & MP3 player
Rear view mirrors, external
Rear view mirror, internal
Safety glass, tinted
Seat belt, 3"
Seat, luxury for cab with suspension
Side windows, openable
Wiper with washer, front/rear

Your Partner on the Road Ahead



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