

DYNAPAC PNEUMATIC TIRE ROLLERS



DYNAPAC CP1200 / CP2100 / CP2100W
and CP2700



DYNAPAC PRESENTS A SERIES OF PNEUMATIC TIRE ROLLERS in the 23 - 30 ton weight class including a 23 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 progressive design and striking new color scheme makes it clear to everyone that you have chosen the right machine for the job.

THE DYNAPAC TOUCH

PERFORMANCE

A pneumatic tire roller is a specialized machine – with a wide range of applications. Finishing and sealing are obvious applications, 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 four-post ROPS, minimizes obstruction of the operator's field of view. Also, precise steering and the powerful braking system keeps 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 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. The operator is provided with service information from 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.



ECO-MODE

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 ECO Mode. We closely monitored the fuel consumption of the new rollers. As a result, we can now confirm that in ECO Mode, all big PTR can get up to 30% less fuel consumption than our previous range without ECO-mode.

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 10 ft (3 m) in height with Cab or ROPS. This can be a key factor when transporting the roller between worksites.

The Dyn@Lyzer compaction analysis tool provides superior control.

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

Engine type 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 tire pressures.

Fully hydraulic propulsion reduces maintenance costs.

Modular design enhances serviceability.



ATTENTION TO DETAILS - THE BASE OF PERFECTION

VALUE YOU CAN COUNT ON

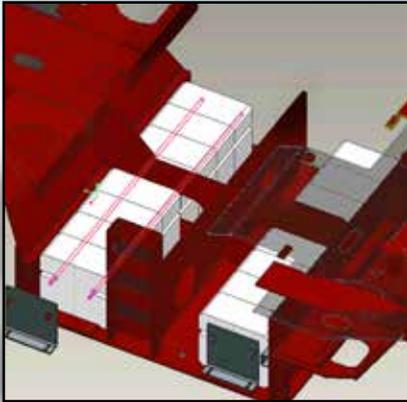
- Dyn@Lyzer: The optional Dyn@Lyzer takes the guesswork out of compaction by monitoring asphalt temperature and the number of passes. Achieving the optimum density and surface texture in six passes instead of eight can save 25% in the cost of operating a roller and reduce the number of mandatory test spots by 50%. This means better results in less time, which increases profitability.
- 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 tires, the ballast is distributed evenly, whether water, sand or steel is used.



DYNAPAC CP2100: FLEXIBLE STEEL BALLAST SYSTEM WITH 2 OPTIONS

- 7 ballast (3.5 ton)
- 13 ballast (6.5 ton)

DYNAPAC CP2700: FLEXIBLE STEEL BALLAST SYSTEM WITH 4 OPTIONS

- 4 ballasts (2 ton)
- 8 ballasts (4 ton)
- 12 ballasts (6 ton)
- 16 ballasts (8 ton)

DYNAPAC CP2100 APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg(165 lb) operator, full fuel tank, full water tank, full hydraulic system

WEIGHTS	ROPS		CAB	
Shipping mass (Empty tanks, no operator)	9 840 kg	21,648 lb	9 980 kg	21,956 lb
Operating Weight - Machine Empty	10 395 kg	22,869 lb	10 535 kg	23,177 lb
Operating Weight - Water Ballast	12 765 kg	28,083 lb	12 905 kg	28,391 lb
Operating Weight - Sand Ballast	15 865 kg	34,903 lb	16 005 kg	35,211 lb
Operating Weight - 13 steel ballasts	16 340 kg	35,948 lb	16 480 kg	36,256 lb
Operating Weight - Wet Sand + 13 steel ballasts (MAX)	20 860 kg	45,892 lb	21 000 kg	46,200 lb
Operating Weight - Water + 13 Steel Ballasts	19 295 kg	42,449 lb	19 435 kg	42,757 lb
Operating Weight - 7 steel ballasts	13 340 kg	29,348 lb	13 480 kg	29,656 lb
Operating Weight - Wet sand + 7 steel ballasts	18 640 kg	41,008 lb	18 780 kg	41,316 lb
Operating Weight - Water + 7 steel ballasts	15 990 kg	35,178 lb	16 130 kg	35,486 lb

Note: Wet sand ballast based on 2000 kg per m³

DYNAPAC CP2700 APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg (165 lb) operator, full fuel tank, full water tank, full hydraulic system

WEIGHTS	ROPS		CAB	
Shipping mass (Empty tanks, no operator)	11 560 kg	25,432 lb	11 700 kg	25,740 lb
Operating Weight - Machine Empty	12 328 kg	27,121 lb	12 468 kg	27,429 lb
Operating Weight - Water Ballast	16 528 kg	36,361 lb	16 668 kg	36,669 lb
Operating Weight - Wet sand	20 728 kg	45,601 lb	20 868 kg	45,909 lb
Operating Weight - Wet Sand + 16 steel ballasts (MAX)	26 860 kg	59,092 lb	27 000 kg	59,400 lb
Operating Weight - Water + 16 Steel Ballasts	23 708 kg	52,157 lb	23 568 kg	51,849 lb
Operating Weight -16 steel ballasts	20 328 kg	44,721 lb	20 468 kg	45,029 lb
Operating Weight - Wet sand + 12 steel ballasts	25 128 kg	55,281 lb	25 268 kg	55,589 lb
Operating Weight - Water + 12 steel ballasts	21 728 kg	47,801 lb	21 868 kg	48,109 lb
Operating Weight -12 steel ballasts	18 328 kg	40,321 lb	18 468 kg	40,629 lb
Operating Weight - Wet sand + 8 steel ballasts	23 528 kg	51,761 lb	23 668 kg	52,069 lb
Operating Weight - Water + 8 steel ballasts	19 928 kg	43,841 lb	20 068 kg	44,149 lb
Operating Weight - 8 steel ballasts	16 328 kg	35,921 lb	16 468 kg	36,229 lb
Operating Weight - Wet sand + 4 steel ballasts	22 128 kg	48,784 lb	22 268 kg	48,989 lb
Operating Weight - Water + 4 steel ballasts	18 228 kg	40,101 lb	18 368 kg	40,409 lb
Operating Weight - 4 steel ballasts	14 328 kg	31,587 lb	14 468 kg	31,829 lb

Note: Wet sand ballast weight based on 2000 kg per m³

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 rest 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.

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 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 on any job site. To achieve the same ground pressure on front and rear tires, 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 center, 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 accessible. At Dynapac, we are convinced that efficient and profitable operation is directly connected to the quality of the drivers environment. The CP1200 is offered with ROPS as standard, or configured with an optional Cab. The optional rotating 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 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 PNEUMATIC ROLLER

Equipped with ROPS. Cab version available as an option.

Swivel seat available as optional

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

Process and rear view mirrors available as optional.



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

Air-on-the-run and Heat cover wheels available as optional

FLEXIBLE STEEL BALLAST SYSTEM WEIGHTS

Flexible Steel ballast system and possible wet/sand or water ballast

Basic unit 5.4 tons

Basic unit + water 7.2 tons

Basic unit + wet sand 9.5 tons

Basic unit + 7 plates 8.7 tons

Basic unit + 7 plates + water 10.8 tons

Basic unit + 7 plates + wet sand 12 tons

Basic unit + 13 plates 12 tons



DYNAPAC PNEUMATIC TIRE ROLLERS

	CP1200		CP2100		CP2100 W		CP2700	
Operating mass, (incl. ROPS)	11,880 lb	6 150 kg	20,850 lb	10 535 kg	20,850 lb	10 535 kg	27,350 lb	12 463 kg
Max. operating mass*	26,400 lb	12 000 kg	46,300 lb	21 000 kg	46,300 lb	21 000 kg	59,500 lb	27 000 kg
Wheel load, std/max,	1,320/2,935 lb/wheel	600/1334 kg /wheel	6,600 lb/wheel	3000 kg /wheel**	6,600 lb/wheel	3000 kg /wheel**	6,600 lb/wheel	3000 kg /wheel***
Speed	0-11 m/h	0-18 km/h	0-12 m/h	0-20 km/h	0-12 m/h	0-20 km/h	0-12 m/h	0-20 km/h
Propulsion, rear	4 wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels
Water tanks	132 gal	500 l	109 gal	415 l	109 gal	415 l	109 gal	415 l
Number of tires	5 front/4 rear	5 front/4 rear	3 front/4 rear	3 front/4 rear	3 front/4 rear	3 front/4 rear	5 front/4 rear	5 front/4 rear
DIMENSIONS								
Compaction width	5.8 ft	1 760 mm	6 ft	1 800 mm	7.5 ft	2 280 mm	7.6 ft	2 300 mm
Length	12 ft	3 660 mm	17 ft	5 180 mm	17 ft	5 180 mm	18 ft	5 480 mm
Width	6.7 ft	2 050 mm	6.7 ft	2 032 mm	7.5 ft	2 265 mm	7.7 ft	2 332 mm
Height	8.4 ft	2 550 mm	9.9/7.5 ft	2990/2260 mm	9.7/7.3 ft	2945/2215 mm	9.9/7.5 ft	2990/2260 mm
ENGINE								
Model	Cummins QSF 2.8	Cummins QSF 2.8	Cummins QSB 3.3	Cummins QSB 3.8	Cummins QSB 3.8	Cummins QSB 3.8	Cummins QSB 3.8	Cummins QSB 3.8
Rated power, SAE J1995, at 2200 rpm	74 hp	55 kW	118 hp	99 kW	118 / 130 hp	89 / 97 kW	118 / 130 hp	89 / 97 kW

Standard Equipment CP1200

- 3" Seat belts
- Backup alarm
- Cocoa mats
- Fixed seat
- Fuel gauge
- Horn
- Hour meter
- Hydraulic check points
- Hydraulic oil lever indicator
- Interloc system
- Key master and start
- Lifting and tiedown eyes
- Main battery switch
- Neutral start arrangement
- Pressurized sprinkler system
- ROPS
- Rotating beacon
- Single scrapers
- Standard Platform
- Towing eyelets
- Working lights
- Otani tires
- engine temp, engine oil pressure, hydraulic filter, hydraulic oil temp and low fuel level

Optional Equipment CP1200

- Flexible Steel ballast option
- 7 steel ballast
- 13 steel ballast
- Air-on-the-Run system
- Heat Cover wheel
- Swivel seat
- Biologically degradable hydraulic oil CAB
- Led lights; working, driving, night
- Slow Moving Vehicle sign (SMV)
- Sprinkler timer
- Tool kit
- Mirrors
- Michelin Tires
- Seat luxury (ROPS/Cab)
- Radio (Cab)

Standard Equipment CP2100/2700

- 3" Seat belts
- Battery switch
- Choice of 2 travel speeds
- Cocoa mats
- Documentation (Manuals), one set
- Drainage for water ballast
- Emergency stop
- Engine temperature display
- Fuel level display
- Horn
- Hour meter
- Hydraulic fluid temperature display
- Hydraulic checkpoints
- Hydrostatic drive with 2 hydraulic motors
- Interloc system
- Key master and start
- Lifting points
- Parking brake
- Redundant brake system
- ROPS
- Rotating beacon
- Sliding and swiveling operator unit
- Speedometer
- Tachometer display
- Tilt steering wheel
- Tie down points
- Voltage meter display
- 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
- 2 multi-disc brakes for parking and dynamic service brake

Standard Equipment Cab CP2100/2700

- 3" Seat belts
- Air filtering system
- AWC (Automatic Water Control)
- Back up alarm
- Cocoa mats
- Fan, fresh air (3-speed)
- Interior light
- Rear view mirror, internal
- Safety glass, tinted
- Side windows, openable
- Heater
- Wiper with washer, front/rear

Optional Equipment CP2100/2700

- Air on the run
- Asphalt temperature meter
- Biodegradable hydraulic fluid
- Cab - asymmetric
- Dyn@Lyzer
- Edge cutter
- Fire extinguisher
- First aid box
- Heat covers for wheels
- Lights, driving, right-hand traffic
- Lights, driving, left-hand traffic
- Lights, working, front/rear for
- Lights licence plate
- Process mirrors
- Rear view mirrors, external
- 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

Optional Equipment Cab CP2100/2700

- Air conditioning (AC), basic cooling function
- Air conditioning (ACC), automatic climate control
- Radio & CD player
- Rear view mirrors, external
- Seat, luxury for cab

*Operating weight includes: Cab, all fluids and 165 lb /75 kg driver weight

Wet/sand weights based on 2,00m³ per ton.

** 7 wheels

*** 9 wheels

Your Partner on the Road Ahead



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