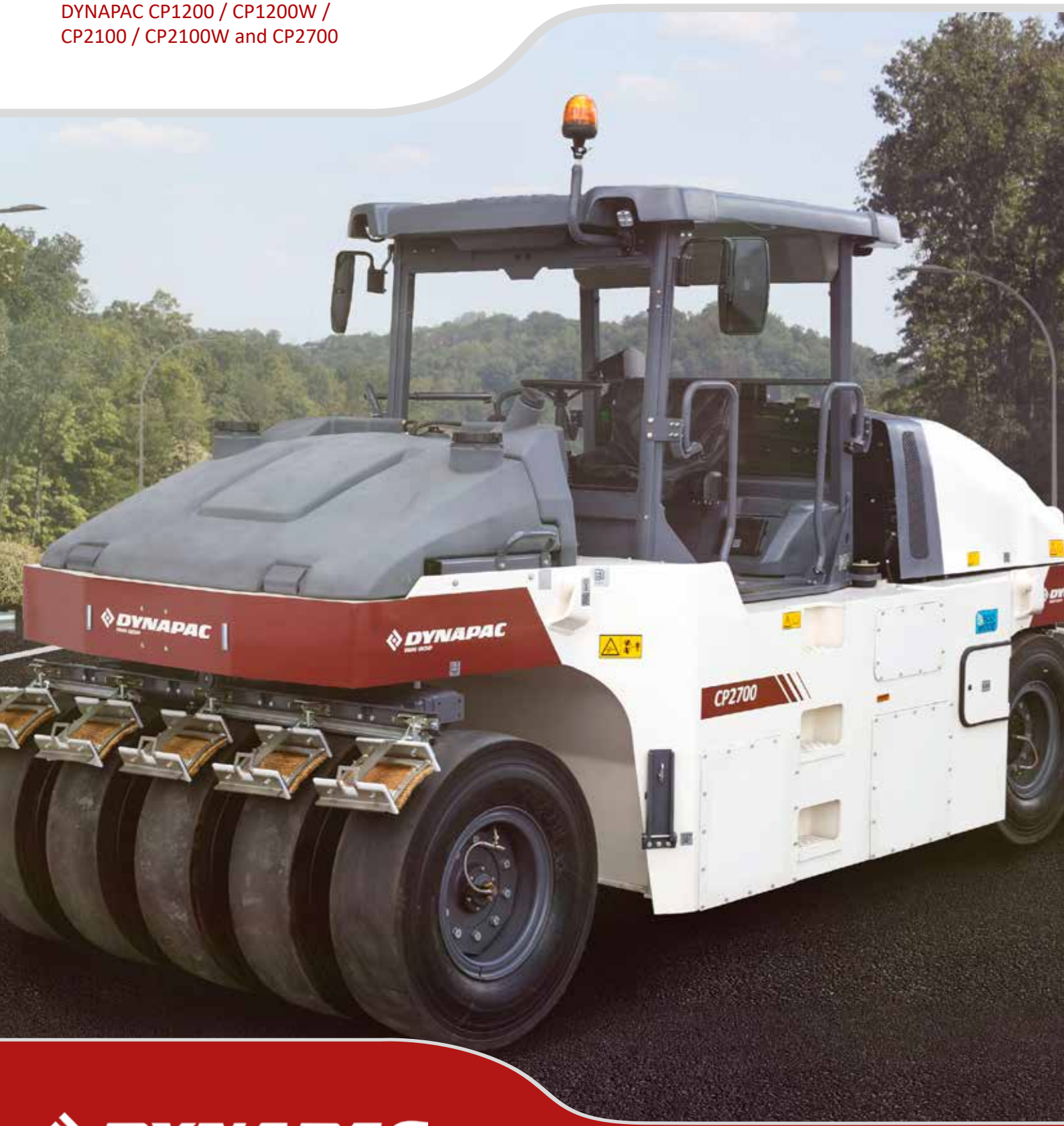
DYNAPAC PNEUMATIC TYRE ROLLERS

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. By the progressive design and striking new colour scheme makes it clear to everyone that you have chosen the right machine for the job.

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
Shipping mass, kg (Cab)	9980	9980	11 700
Shipping mass, kg (Rops)	9840	9840	11 560
Shipping mass, kg (Canopy)	9400	9400	11 120
Operating mass, kg (Cab)	10535	10535	12 468
Operating mass, kg (Rops)	10395	10395	12 328
Operating mass, kg (Canopy)	9955	9955	11 888

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 three metres 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 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

- 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.

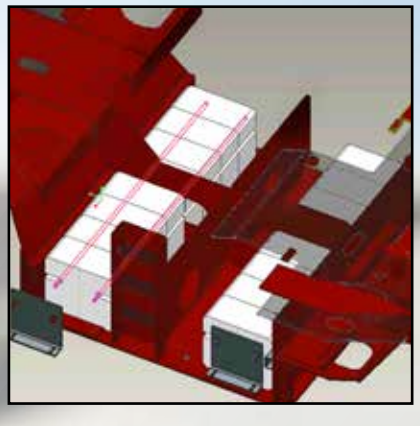
- Paving and compaction often take place at night, when working speed can drop by 20% due to poor visibility. Optional LED lights create a safer job site for nighttime operations and help maintain productivity.

- 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 tyres, 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 / 7.7 lbs)
- 13 ballast (6.5 ton / 14.3 lbs)

DYNAPAC CP2700: FLEXIBLE STEEL BALLAST SYSTEM WITH 4 OPTIONS
- 4 ballasts (2 ton / 4.4 lbs)
- 8 ballasts (4 ton / 8.8 lbs)
- 12 ballasts (6 ton / 13.2 lbs)
- 16 ballasts (8 ton / 17.6 lbs)

DYNAPAC CP2100 APPROXIMATE WEIGHTS

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

WEIGHTS	PLATFORM		ROPS		CAB	
Shipping mass (Empty tanks, no operator)	9400 kg	20680 lb	9840 kg	21648 lb	9980 kg	21956 lb
Operating Weight - Machine Empty	9955 kg	21901 lb	10395 kg	22869 lb	10535 kg	23177 lb
Operating Weight - Water Ballast	12325 kg	27115 lb	12765 kg	28083 lb	12905 kg	28391lb
Operating Weight - Sand Ballast	15425 kg	33935 lb	15865 kg	34903 lb	16005 kg	35211lb
Operating Weight - 13 steel ballasts	15900 kg	34980 lb	16340 kg	35948 lb	16480 kg	36256 lb
Operating Weight - Wet Sand + 13 steel ballasts (MAX)	20420 kg	44924 lb	20860 kg	45892 lb	21000 kg	46200 lb
Operating Weight - Water + 13 Steel Ballasts	18855 kg	41481 lb	19295 kg	42449 lb	19435 kg	42757 lb
Operating Weight - 7 steel ballasts	12900 kg	28380 lb	13340 kg	29348 lb	13480 kg	29656 lb
Operating Weight - Wet sand + 7 steel ballasts	18200 kg	40040 lb	18640 kg	41008 lb	18780 kg	41316 lb
Operating Weight - Water + 7 steel ballasts	15550 kg	34210 lb	15990 kg	35178 lb	16130 kg	35486l b

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	PLATFORM		ROPS		CAB	
Shipping mass (Empty tanks, no operator)	11120 kg	24464 lb	11560 kg	25432 lb	11700 kg	25740 lb
Operating Weight - Machine Empty	11888 kg	26153 lb	12328 kg	27121lb	12468 kg	27429 lb
Operating Weight - Water Ballast	16088 kg	35393lb	16528 kg	36361lb	16668 kg	36669 lb
Operating Weight - Water Ballast	20288kg	44633 lb	20728 kg	45601lb	20868 kg	45909 lb
Operating Weight - Wet Sand + 16 steel ballasts (MAX)	26420 kg	58124 lb	26860 kg	59092 lb	27000 kg	59400 lb
Operating Weight - Water + 16 Steel Ballasts	22988 kg	50573 lb	23708 kg	52157 lb	23568 kg	51849 lb
Operating Weight -16 steel ballasts	19888 kg	43753 lb	20328 kg	44721lb	20468 kg	45029 lb
Operating Weight - Wet sand + 12 steel ballasts	24688 kg	54313 lb	25128 kg	55281lb	25268 kg	55589 lb
Operating Weight - Water + 12 steel ballasts	21288 kg	46833 lb	21728 kg	47801lb	21868 kg	48109 lb
Operating Weight -12 steel ballasts	17888 kg	39353 lb	18328 kg	40321lb	18468 kg	40629 lb
Operating Weight - Wet sand + 8 steel ballasts	23088 kg	50793 lb	23528 kg	51761lb	23668 kg	52069 lb
Operating Weight - Water + 8 steel ballasts	19488 kg	42873 lb	19928 kg	43841lb	20068 kg	44149 lb
Operating Weight - 8 steel ballasts	15888 kg	34953 lb	16328 kg	35921lb	16468 kg	36229 lb
Operating Weight - Wet sand + 4 steel ballasts	21688 kg	47713 lb	22128 kg	4868 lb	22268 kg	48989 lb
Operating Weight - Water + 4 steel ballasts	17788 kg	39133 lb	18228 kg	40101lb	18368 kg	40409 lb
Operating Weight - 4 steel ballasts	13888 kg	30553 lb	14328 kg	3152 lb	14468 kg	31829 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 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.

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	
Operating mass, kg (Cab)	6 000
Operating mass, kg (Rops)	5 750
Operating mass, kg (Canopy)	5 550

DYNAPAC CP1200 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 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

Basic unit 5,7 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 12,1 tons
Basic unit + 13 plates 12,1 tons

Picture shows CP1200

TECHNICAL DATA

DYNAPAC PNEUMATIC TYRE ROLLERS

	CP1200	CP1200W	CP2100	CP2100W	CP2700
Operating mass, kg* (incl. Cab)	6 000	6 000	10 535	10 535	12 463
Max. operating mass*, kg	12 000	12 000	21 000	21 000	27 000
Wheel load, std/max, kg/wheel	660/1330	660/1330	1350/3000	1350/3000	1200/3000
Speed, km/h	0-18	0-18	0-20	0-20	0-20
Propulsion, rear	4 Wheels	4 Wheels	4 Wheels	4 Wheels	4 Wheels
Water tanks, liters	410	410	415	415	415
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	450-630	450-630	250-850	250-850	250-850
DIMENSIONS					
Compaction width, mm	1 760	2 080	1 800	2 280	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, , mm	2 950	2 950	2 990/2 260	2 945/2 215	2 990/2 260
ENGINE					
Model	Cummins QSF 2.8	Cummins QSF 2.8	Cummins QSB 3.8	Cummins QSB 3.8	Cummins QSB 3.8
Rated power, SAE J1995, at 2200 rpm, kW (hp)	55 (74)	55 (74)	89 (118) Cummins QSB 3.3 Tier 3 74 (99)	89 (118) / 97 (130) Cummins QSB 3.3 Tier 3 74 (99)	89 (118) / 97 (130) Cummins QSB 4.5 Tier 3 82 (110)

Standard Equipment CP1200

Backup alarm
Sliding and swiveling operator unit
Single scrapers
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
Standard Platform
Towing eyelets
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
Biologically degradable hydraulic oil
Canopy /Rops/CAB
Driving Led lights
Working Led lights
Night Led lights
Rotating beacon
Seat belts, 2"or 3" (Rops or CAB)
Slow Moving Vehicle sign (SMV)
Sprinkler timer
Tool kit
Mirrors
Michelin Tires
Seat luxury (ROPS/Cab)
Radio (Cab)

Standard Equipment CP2100/2700

Battery switch
Choice of 2 travel speeds
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
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
2 multi-disc brakes for parking and dynamic service brake

Standard Equipment Cab CP2100/2700

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

Optional Eqipment CP2100/2700

Air on the run
Asphalt temperature meter
AWC (Automatic Water Control)
Back up alarm
Biodegradable hydraulic fluid
Cab, asymmetric, ROPS
Canopy
Cocoa mats
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 cab/ROPS/canopy
Lights licence plate
Process mirrors
Rear view mirrors, external
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

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 75 kg driver weight*
Wet/sand weights based on 2,00m³ per ton.

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Your Partner on the Road Ahead

DYNAPAC
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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