

V O L V O



Volvo Pneumatic Tyre Roller 10.5-24.0 t 99.2 hp

# PT220C

Volvo Construction Equipment



# Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

## **Working harder, working smarter**

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



## Solutions for you



Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

### Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

### There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

 <b>Fuel Efficiency Services</b>	 <b>Productivity Services</b>	 <b>Safety Services</b>
 <b>Financial Services</b>	 <b>Uptime Services</b>	 <b>Rental Services</b>
 <b>Volvo Attachments</b>	 <b>Genuine Volvo Parts</b>	 <b>New life Services</b>

# BUILDING TOMORROW

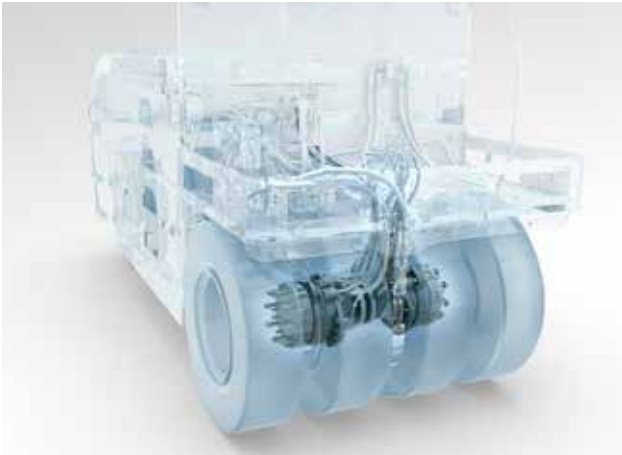


# An elite performer

Featuring the fuel-efficient and reliable VECV engine, the PT220C is a pneumatic roller designed to deliver the highest levels of quality and performance to your compaction projects. Offering fast cycle times, wide tire coverage, adjustable water settings and tonnes of versatility this is a compaction machine ready to deliver outstanding mat results.

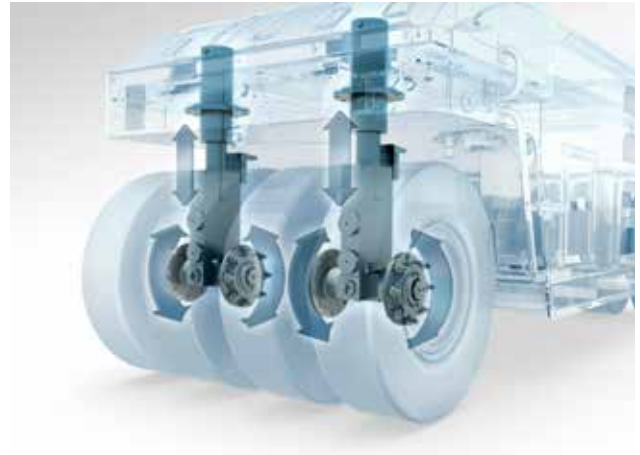
## Smoothly does it

Achieve fast cycle times and optimum output with the two-speed, and maintenance free, hydrostatic transmission which enables smooth transition between forward and reverse without scuffing the material surface. The hydraulic steering system provides the ultimate in precision for maximum surface coverage.



## The knead you need

Experience the perfect kneading effect required to achieve uniform material density in no time at all. Four wide front and rear tires overlap by 50mm to provide full width coverage, while the isostatic levelling cylinders secure consistent contact with the material for excellent surface sealing.



## Productivity on tap

The pressurized, rust-proof 550-liter LDPE water system features an adjustable flowrate which can be used by the operator as needed to help eliminate material build up on the tire surface, maintain mat surface temperature and reduce water refills. The water storage tank level indicator is clearly in view, allowing the operator to easily monitor the water level.



## Tonnes of versatility

Take on a multitude of tasks by using different materials as ballast to easily adjust the maximum operating weight of the PT220C. What's more, water can also be used as ballast thanks to a separate dedicated water compartment, which is in addition to the standard ballast compartment.





# POWERED TO PERFORM

The fuel efficient and reliable VECV engine helps to secure the highest levels of performance and a low cost of operation. Both the engine and machine can be serviced by your Volvo dealer, providing a one-stop-shop maintenance solution for further convenience and reduced downtime.



# Operate in comfort

The PT220C provides a first-class working environment helping operators to produce outstanding results shift after shift, day after day. Features including a new 4.3" display, electro-proportional joystick and heavy-duty sunshade keep operators safe, comfortable and working at their best.

## Precision operation

The electro-proportional joystick contributes towards the smooth and precise machine control, enhancing operator comfort and productivity.



## Comfortably productive

Operator comfort is kept to a maximum with features including a sliding console, outstanding visibility, suspension on both seats and USB charger.



## Operator protection

From the safety of the platform operators can enjoy comfortable and productive work shifts. The heavy-duty steel sunshade not only keeps operators sheltered from the sun, but also provides additional protection in the unlikely event of a machine roll-over and can be easily removed for transportation. Additional safety features include the operator seatbelt and seat presence indicator on the display.





# TAKE CONTROL

Unlock the full potential of your machine with the new 4.3" display. Available information via the display includes travel speed, trip meter, total working hours, engine rpm and high coolant temperature indicator. Service notifications as well as information regarding battery condition and DEF/fuel levels help to maximize uptime.



# Keep on rolling

Stay working harder for longer in the PT220C. Simple servicing, removable water nozzles and screens and easily adjustable tire pressures all help to keep uptime to a maximum, and all with the full support and back-up of the Volvo dealer network.

## On-board inflation system

Tire contact can be optimized by the easily adjusted tire pressure, which is managed from a conveniently located central point, helping to achieve target compaction in fewer passes. Optional in-cab tire pressure adjustment allows operators to adjust tire pressure on-the-move at the press of a button.



## Easily removed nozzles and screens

Water nozzles and screens can be quickly removed, cleaned or replaced. Easily removable filters sit behind each of the eight spray nozzles to ensure a fine mist.



## Round the clock support

Get your machine back to work without delay with 24/7 access to the Volvo dealer support network. Simply call the support number, which will automatically direct you to your local dealership, where a dedicated team will take care of your individual needs.



## Retain Volvo quality

Only by using Genuine Volvo Parts can you be sure that your machine retains its renowned Volvo quality. Every part is vital for uptime and Genuine Volvo Parts are extensively tested and approved to provide the same levels of component quality as the day you bought your machine.







# STRAIGHTFORWARD SERVICING

Keep uptime to a maximum and reduce time spent on maintenance with easily accessed ground-level maintenance points and wide engine hood opening, as well as a bolt-on hydraulic tank to facilitate easy cleaning.

# Outstanding rolling results

## The quality to perform

- Hydrostatic transmission, 2-speed and maintenance free
- Hydraulic steering
- Isostatic levelling cylinders for consistent contact
- 550-liters LPDE water tank, adjustable water flow
- Dedicated water ballast compartment
- Central tire inflation

## Comfortably productive

- Electro-proportional joystick
- 4.3" display: effective work and service management, seat presence indicator
- Heavy-Duty steel sunshade, removable for ease of transportation
- Sliding console
- Dual operator seats, suspended seats
- USB charger

## Uptime you can rely on

- Call on Volvo 24/7
- Genuine Volvo Parts
- Customer Support Agreements

## Straightforward servicing

- Proven engine, serviced by your Volvo dealership
- Ground-level access to maintenance points
- Water nozzles and screens can be quickly removed, cleaned or replaced
- Tow pump: unlock the parking brake and move the machine

## Made in India, for India

Since 2007, when we became the first company to offer pneumatic rollers manufactured in India, we have led the way in supplying the highest quality machinery tailor-made for the Indian market.





# Specifications

Machine weights		
Standard Operating weight (1)	kg	10 500
Standard Operating Weight - with Factory ballasted Option	kg	13 350
Maximum Machine Weight - Ballasted without Factory Ballast	kg	22 000
Maximum Machine Weight - Ballasted with Factory Ballast	kg	24 000
Wheel load - Maximum Ballasted	kg	3 000

Operator Console	
Service	Dynamic hydrostatic through propulsion system
Parking secondary	SAHR on both Rear drive Motor

Tires	
Tire Type	11.0 - 20. 18PR
Number of Tires ( Front \Rear)	8
Tire Overlap	mm 50
Tire Pressure (min/max)	bar 3.5 / 8.0

Engine	
Make / model	VECV EE494TCI-HPCR Bharat StageIV (CEV)
Engine type	Turbo charged water cooled
Rated power @ installed speed	kW 74 kW @ 2 200 r/min
Electrical	12 V DC, 90 A alternator
Battery CCA	CCA 750

Propulsion	
Type	Closed-loop hydrostatic
Driven wheels	Rear
Travel speed	high km/h 0 - 16
Working speed	low km/h 0 - 8
Gradeability (theoretical)	% 23

Steering	
Steering	Hydraulic Power assisted
Inside turning radius	mm 6 800

Brakes	
Service	Dynamic hydrostatic through propulsion system
Parking secondary	SAHR on REAR Motors

Water Spray system	
Type	Pressure spray tire wetting system with LDPE water tank
Pumps	One water Pump for Front and rear Tires (second Pump as Option)
Nozzles	Hand-serviceable spray nozzles
Filtration	Filter baskets in fill necks, primary filter at pump, fine filter for each nozzle
Tire wipers	Front & rear Coco Mat for each tire. ( Nylon Scrapper as option)
Water tank capacity	l 550

Safety	
Indicators	Warning lamps, alarms for Engine on 4.3" Color display
Audio alarm	Reverse Alarm
Sunshade	ROPS equivalent
Operator restraint	Seat belt
Seat	Suspension seat with Operator presence switch
Switch	Centralized emergency shut down Switch

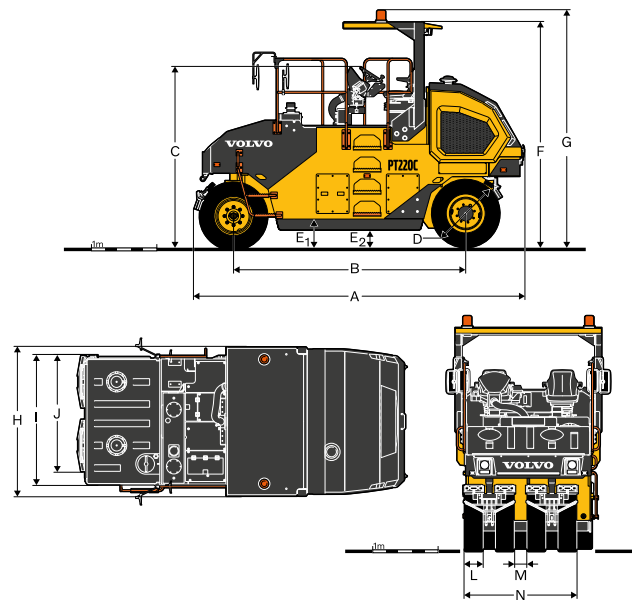
Fluid Capacities	
Fuel tank capacity	l 200
Hydraulic oil capacity	l 105

(1) incl. 100% fuel, 50% water, 75 kg operator

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

### Air on the run

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



## DIMENSIONS

	mm
A Overall length	5 060
B Wheel base	3 520
C Height (top of Steering Wheel)	2 750
D Tire Diameter	1 070
E Ground clearance (E1 / E2)	435 / 265
F Overall Height	3 430
G Overall Height (Including Beacon)	3 635
H Overall Width	2 270
I Overall Rolling width	1 980
J Front Rolling width	1 735
L Tire Width	292
M Space between Tires	188
N Rear rolling width	1 735

## STANDARD EQUIPMENT

<b>Engine</b>
Battery disconnect switch
<b>Operator environment</b>
#2 Suspension Seat
Electronic Joy Stick - Propulsion control lever
1 USB charger socket
Heavy Duty Sun Roof
Storage compartments
Easy to clean anti slip cab floor
Operator Presence switch with timer delay
2" Seat Belt
Coir Mat
<b>Electrics and electronics</b>
Emergency stop button
4.3" LCD Color Display
Back-up alarm

## OPTIONAL EQUIPMENT

<b>Electrics and electronics</b>
Strobe Lamp
<b>Structure</b>
Nylon wiper
Dual Water Pump
Factory Ballast
Tire Pressure Monitoring and setting on the Run
Hydraulic Test Kit
Optional Tool Kit

**V O L V O**