

V O L V O



TOUGH ON ROADS, SMOOTH ON RESULTS

Volvo PT220 Pneumatic Tyre Roller

Compact with Confidence, Build with Strength


Volvo Construction Equipment





Smart Compaction for Superior Roads

Every detail counts when building roads that last. The Volvo PT220 combines powerful performance with intelligent features designed to deliver outstanding compaction results while minimizing costs.

Keeping Operators Safe and Comfortable


 **Vibration-Resistant Seat**
Ensures operator comfort even during long shifts.


 **Spacious Platform**
Provides ease of movement for better visibility and control.

 **Ergonomic Controls**
Deliver precision with minimal effort.



Built to Perform, Engineered to Save

 **Volvo Eicher Engine**
(74 kW, CEV V Compliant)
Offers powerful performance with improved fuel efficiency.

 **Environmentally Efficient**
DOC+DPF+SCR+ASC keeps emissions low and productivity high.

Safety at Every Step



Operator Presence Switch

Automatically shuts down the engine after 5 seconds if the operator leaves the seat — improving safety and preventing accidental operation.



3-Point Contact Handrail

Specially designed handrails ensuring three point contact during climbing up and down, operator have greater stability and balance, which is crucial for operator safety.

Features That Drive Results



Water and Solid Material Ballasting

Adds versatility for various jobsite demands.



Onboard Diagnostics

Helps in quicker resolution and greater uptime.



Onboard Tyre Inflation System

Machine has inbuilt air compressor for inflating the tyres as per site requirement.

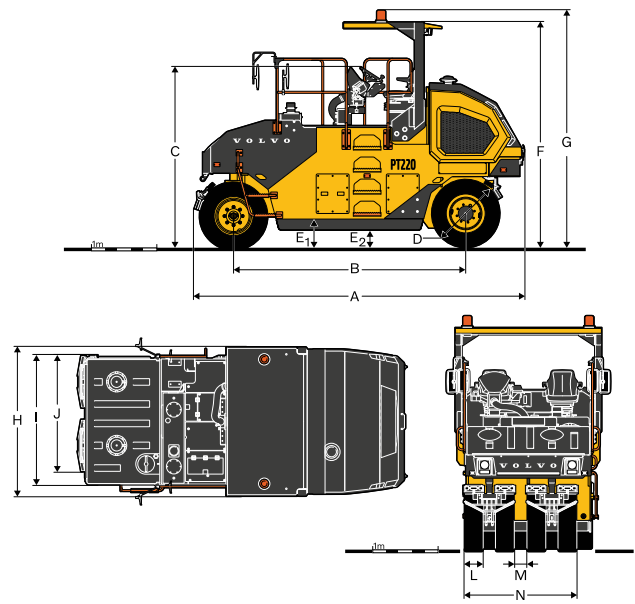


Isostatic Levelling Cylinders

Perfect kneading effect with isostatic levelling cylinders

Specifications

Machine weights		
Standard Operating weight	kg	10500
Standard Operating Weight - with Factory ballasted Option	kg	13500 / 14000
Maximum Machine Weight - Ballasted without Factory Ballast	kg	22000
Maximum Machine Weight - Ballasted with Factory Ballast	kg	24000
Wheel load - Maximum Ballasted	kg	3000
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 bar
Engine		
Make / model	VECV E494 CEV STAGE-V	
Engine type	Turbo charged water cooled	
Rated power @ installed speed	kW	74 kW
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	6800
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	550L	
Safety		
Indicators	Warning lamps, alarms for Engine on 4.3" Color display	
Audio alarm	Reverse Alarm	
Sunshade	ROPS	
Operator restraint	Seat belt	
Seat	Suspension seat with Operator presence switch	
Switch	Centralized emergency shut down Switch	
Fluid Capacities		
Fuel tank capacity	200L	
Hydraulic oil capacity	105L	
Sound Level		
Sound power L(WA), guaranteed	dB(A) 105	



DIMENSIONS		
		mm
A	Overall length	5060
B	Wheel base	3520
C	Height (top of Steering Wheel)	2750
D	Tire Diameter	1070
E	Ground clearance (E1 / E2)	435 / 265
F	Overall Height	3430
G	Overall Height (Including Beacon)	3635
H	Overall Width	2270
I	Overall Rolling width	1980
J	Front Rolling width	1735
L	Tire Width	292
M	Space between Tires	188
N	Rear rolling width	1735

STANDARD EQUIPMENT

Engine
Battery disconnect switch
Operator environment
#2 Suspension Seat
Electronic Joy Stick - Propulsion control lever
1 USB charger socket
Roll over protective structure (ROPS)
Storage compartments
Easy to clean anti slip cab floor
Operator Presence switch with timer delay
2" Seat Belt
Coir Mat
Electrics and electronics
Emergency stop button
4,3" LCD Color Display
Back-up alarm

OPTIONAL EQUIPMENT

Electrics and electronics
Strobe Lamp
Structure
Nylon wiper
Dual Water Pump
Factory Ballast (13.5T / 14T)
Air on run (Tire pressure monitoring and adjustment on the run)
Hydraulic Test Kit
Optional Tool Kit

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.