

V O L V O



Volvo Pneumatic Tyre Roller 11.0-24.0 t 114 kW

PT220 ELECTRIC

Volvo Construction Equipment

PT220 ELECTRIC

The PT220 Electric is an India-made pneumatic tire compactor for use on all types of asphalt mixes.



More power, less cost

The PT220 Electric delivers 30% more power than the conventional machine results in better on-grade performance and operation at high altitudes. This is where naturally aspirated diesel engines lose power. No engine-related consumables such as engine oil, filters and water separator mean 30% less maintenance needs. An electric machine will therefore dramatically reduce your downtime and costs.



Charging

- Optional off-board DC fast charging time ~1.3 hour
- Integrated on-board charger: 100% charge ~13 hours
- Uptime: full shift depending on application



Comfortably productive

- Electro-proportional joystick
- 8" touchscreen LCD display
- Built-in auto idle function
- Heavy-duty sunshade
- Sliding console
- Dual suspended seats



Straightforward servicing

- Easy secured access for charging points
- Water nozzles and screens quickly removed, cleaned or replaced
- Tow pump



Performance

- Hydrostatic transmission, 1-speed and maintenance free
- Hydraulic steering
- Isostatic levelling cylinders for consistent contact
- 550 liters LPDE water tank, adjustable water flow
- Dedicated water ballast compartment
- Liquid cooled traction voltage battery system enhances battery life.



A clean, smart choice

- No engine-related consumables
- A zero-emission, quiet power source
- Ability to work in low carbon zones and noise sensitive areas
- Works a full shift thanks to energy efficiency and battery capacity

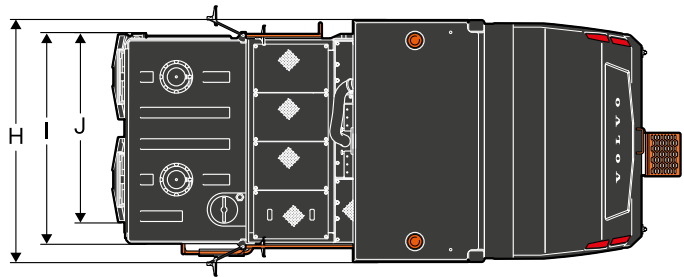
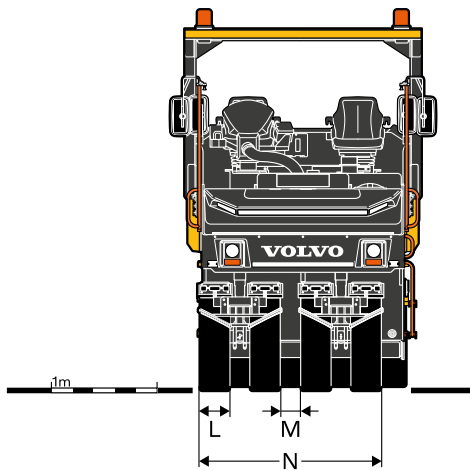
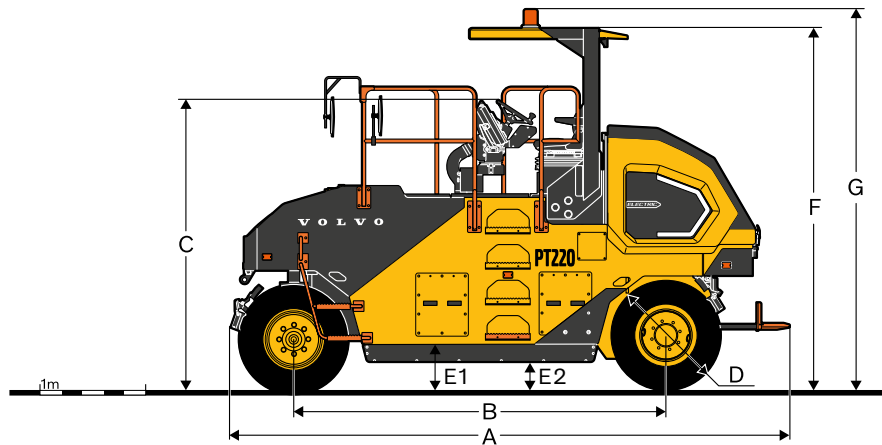
Volvo PT220 Electric in Detail

Machine weights		
Standard Operating weight ⁽¹⁾	kg	11 000
Standard Operating Weight - with Factory ballasted Option	kg	13 500
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
Electrical system		
Battery type		Lithium-ion
Battery Capacity	kW h	134
Indicative runtime (Depending on application)	hours	4 to 5
Motor power (Rated)	kW	114
Auxiliary Battery Voltage	V	12
Charging		
Off-board DC Fast Charging	hours	~1,3
On-board AC Slow Charging	hours	~13
Propulsion		
Type		Closed-loop hydrostatic
Driven wheels		Rear
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 on 8" Touch screen LCD display
Audio alarm		Reverse Alarm
Sunshade		Heavy duty steel sunshade
Operator restraint		Seat belt
Seat		Suspension seat with Operator presence switch
Switch		Centralized emergency shut down Switch
Fluid Capacities		
Hydraulic oil capacity	l	105

⁽¹⁾ incl.50% water, 75 kg operator



Specifications



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

Equipment

STANDARD EQUIPMENT

Operator environment

#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

Electrics and electronics

Battery disconnect switch

Emergency stop button

8" LED Color Display

LED work lamp

Back-up alarm

AC Charging kit

OPTIONAL EQUIPMENT

Electrics and electronics

30 kW DC fast charger

80 kW DC fast charger

Strobe Lamp

Structure

Nylon wiper

Dual Water Pump

Factory Ballast

Hydraulic Test Kit

Optional Tool Kit

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