

PT240R Pneumatic Tire Compactor

ABG



* Shown without standard heat skirts

Pneumatic Tire Compactor – Knead for Uniformity

The ABG PT240R is an eight-wheel pneumatic tire compactor typically utilized on hot mix asphalt (HMA). Other applications include rolling surface treatments like chip and seal, and soil stabilization with modifiers such as asphalt emulsion, calcium chloride, fly ash, lime, Portland cement, or other materials. A Tier 3 turbocharged four-cylinder Cummins diesel engine provides sufficient power for altitude operation, rolling on steeper grades, and on materials with higher rolling resistance. The operator can select between two operating positions on either side of the platform.

Key Features

- Dual operator control stations, accessed from either side of the machine
- Standard AOR system- **Air On the Run** or central tire inflation system, permits adjustment to ground contact area and pressure to match materials.
- Front wheels designed to float and oscillate to evenly compact irregularities in the material surface
- Watertight ballast compartments can be filled with water, wet sand, steel, or a combination of ballast material to meet the job requirements
- Standard heat skirts provide heat protection to retain heat in the tires and prevent pick-up when rolling hot mix asphalt
- A pressurized water spray system helps prevent tire pick-up when rolling hot mix asphalt
- “ONE METER BY ONE METER” visibility allows operator to see objects one meter in height as close as one meter in front of or behind the compactor
- Smooth operation and direction change through an efficient gear set driving each pair of rear wheels

PT240R Pneumatic Tire Compactor

Specifications

STANDARD FEATURES

- Back-up alarm
- Differential lock
- Horn
- Emergency stop button
- Pressurized water system with brush scrapers on each tire
- Heat skirts (thermo apron)
- Work lights (front and rear)
- Turn signals and four-way flashers
- Gauges
 - Hour meter
 - Fuel
 - Gearbox oil pressure
 - Gearbox oil temperature
 - Engine temperature
 - Brake system pressure
- Vandal protection
- FOPS and seat belts
- Mirror for front wheel
- Cocoa mat scrapers

OPTIONS

- Beacon lamp
- Cab with heat
- Cab with heat and air conditioning
- Edge Cutter
- Radio + MP player
- Chock blocks

GROUND CONTACT PRESSURE (PSI)

WHEEL LOAD	TIRE INFLATION PRESSURE (PSI)			
	30	60	90	120
2000 kg (4,400 lb)	42	57	63	71
2500 kg (5,500 lb)	45	62	69	77
3000 kg (6,600 lb)	50	65	73	79

MODEL PT240R

MACHINE WEIGHTS (WITH ROPS, FOPS, HEAT SKIRTS)

Shipping Weight – kg (lbs)		16 000 (35,274)
Operating Weight – kg (lbs)	Unballasted	16 428 (36,218)
	Fully ballasted	24 000 (52,911)
	Weight of ballast	7 572 (16,693)

MACHINE DIMENSIONS

Overall Length – mm (in)		4 940 (194.5)
	With heat skirts	5 780 (227.6)
Overall Width – mm (in)		2 265 (89)
Overall Height – mm (in)	Top of ROPS	3 040 (120)
Wheelbase – mm (in)		3 500 (138)
Curb Clearance – mm (in)		300 (11.8)
Outside Turning Radius – mm (in)		8 600 (338.6)

COMPACTION

Rolling Width – mm (in)		1 985 (78)
Tire Overlap When Straight – mm (in)		50 (2)
Wheel Load Per Tire – kg (lbs)	Unballasted	2 040 (4,500)
	Fully ballasted	2 970 (6,550)

TIRES

Size & Ply		11.00 x 20 18-ply
Number Of Tires		8
Tire Oscillation		Front tire pairs + / - 5°

PROPULSION

Type System		Powershift
Drive		Rear axle through 3-speed mechanical gearbox
Speed – km/h (mph)		0 - 19 (0 - 11.8)
Gradeability (theoretical)		25%

ENGINE

Make & Model	EU Stage 3A (EPA US Tier3)	Cummins QSB3.3
Type		Turbocharged 4-cylinder
Rated Power @ 2,206 rpm – kW (hp)		74 (99)
Electrical System		12 V

BRAKES

Service		Drum shoes in rear wheels
Parking / Secondary		Disc on final drive input

STEERING

Design		Front wheel pairs
Type System		Hydraulic power

WATER SYSTEM

Type		Pressurized, with flow control
Pump		Electric diaphragm
Tank Capacity – L (gal)		285 (75)
Filters		2 stages
Nozzles		1 spray nozzle per tire

MISCELLANEOUS

Fuel Capacity – L (gal)		250 (66)
-------------------------	--	----------

Product improvement is a continuing goal at Volvo CE.
Designs and specifications are subject to change without notice or obligation.