

PT240R Pneumatic Tire Compactor

ABG



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 turbocharged four-cylinder Cummins Q38 33 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
- An optional central tire inflation system and variable operating weight permit adjustment of tire ground contact area and pressure to match material requirements
- 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 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

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Specifications

ADDITIONAL FEATURES

- Back-up alarm
- Differential lock
- Horn
- Emergency stop button
- Pressurized water system with brush scrapers on each tire
- Tire heat skirts
- 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
- ROPS with FOPS and seat belts

SELECTED OPTIONS

- Central tire inflation system
- Beacon lamp
- Cab with heat
- Cab with heat and air conditioning

GROUND CONTACT PRESSURE (PSI)

WHEEL LOAD	TIRE INFLATION PRESSURE (PSI)			
	30	60	90	120
2 000 kg	42	57	63	71
2 500 kg	45	62	69	77
3 000 kg	50	65	73	79

MODEL PT240R

MACHINE WEIGHTS (WITH ROPS, FOPS, HEAT SKIRTS)

Shipping Weight - kg		16 220
Operating Weight -kg	Unballasted	16 360
	Fully ballasted	24 000
	Weight of ballast	7 640

MACHINE DIMENSIONS

Overall Length - mm		4 775
	With heat skirts	440
Overall Width - mm		2 265
Overall Height - mm		
	Top of ROPS	3 040
Wheelbase - mm		3 500
Curb Clearance - mm		300
Outside Turning Radius - mm		8 600

COMPACTION

Rolling Width - mm		1 985
Tire Overlap When Straight - mm		50
Wheel Load Per Tire - kg	Unballasted	2 040
	Fully ballasted	2 970

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		0 - 19.0
Gradeability (theoretical)		25%

ENGINE

Make & Model	Q30 33	Cummins BT4.5-C99
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		285
Filters		2 stages
Nozzles		1 spray nozzle per tire

MISCELLANEOUS

Fuel Capacity - L		250
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