



Volvo Construction Equipment

PT125

Volvo Pneumatic Tire Compactors 4.3-12.6 t 63 kW



THE COMPACTOR FOR YOUR KNEADING REQUIREMENTS

The Volvo PT125 is a nine-wheel pneumatic tire compactor typically utilized on hot mix asphalt and on chip-seal applications. The four front tires are staggered in position to provide overlap with the five rear tires, resulting in complete material coverage for consistent texture and appearance. Uniform compaction, even on irregular surfaces, is achieved using tire oscillation to maintain uniform tire contact pressure.

Performance Features

- Back-up alarm
- Lay-down ROPS for transport
- High wheel-loading capability with 14-ply tires
- Horn
- Hour meter
- Hydrostatic propulsion system
- Indicator lights for battery discharge, low engine oil pressure, high engine coolant temperature, and parking brake engagement
- Pressurized water system with individual tire cocoa mats
- Seat belt

Selected Options

- Audible alarm
- Engine air precleaner
- Four-way flashers and turn signals
- Gauges for fuel level, voltmeter, hydraulic oil temperature, engine coolant temperature, engine oil pressure, air filter restriction
- Heat skirts
- Radial tires
- ROPS / FOPS
- Rotating beacon light
- Speedometer
- Tire scrapers
- Vandal cover for console and engine
- Work lights

Tires

The PT125 comes standard with four front and five rear 190,5 mm x 381 mm (**7.5 in x 15 in**), 14-ply tires. The front tire pairs each oscillate +/- 3°.

Water System

The PT125 comes standard with a 379 l (**100 gal**) pressurized water system utilizing an electric diaphragm pump. Each tire has one spray nozzle with a 100 mesh filter in addition to the primary 80 mesh filter and tank inlet strainer.



SPECIFICATIONS

Model		PT125
Machine Weights (w/ ROPS / FOPS)		
Shipping Weight	kg (lb)	4 129 (9,105)
Operating Weight	kg (lb) Unballasted	4 326 (9,540)
	With water ballast	7 708 (17,156)
	With wet sand ballast	11 242 (24,790)
	With concentrate ballast	12 625 (27,840)
Machine Dimensions		
Length	mm (in)	3 892 (153.2)
Width	mm (in)	1 980 (78)
Height	mm (in) Top of steering wheel	2 185 (86)
	Top of ROPS	3 225 (127)
	Top of ROPS / FOPS	2 912 (115)
Wheelbase	mm (in)	2 921 (114.6)
Curb Clearance	mm (in)	330 (13.0)
Inside Turning Radius	mm (in)	3 848 (151.5)
Compaction		
Rolling Width	mm (in)	1 727 (68)
Tire Overlap	mm (in)	12 (0.5)
Wheel Load Per Tire (avg)	kg (lb) Unballasted	480.8 (1,060)
	With water ballast	866.4 (1,910)
	With gravel	1 152.1 (2,540)
	With wet sand ballast	1 252.0 (2,760)
	With concentrate ballast	1 406.1 (3,100)
Ballast Compartment	m ³ (cu ft)	3.5 (122)
Propulsion		
System Type		Hydrostatic drive
Drive		Direct at 4 rear wheels
Travel Speed	km/h (mph) High	24.8 (15.4)
	Low	12.4 (7.7)
Engine		
Make & Model		Kubota V3600-T-E3B Tier 3
Electrical System		12 volts DC, negative ground, 90 A alternator
Rated Power @ Installed Speed	kW (hp)	63 (84.5)
Miscellaneous		
Fuel Capacity	l (gal)	102 (27)
Hydraulic Oil Capacity	l (gal)	61 (16)
Gradeability (theoretical)		31%
Guaranteed Sound Level		
Operator's Ear, acc. to ISO 11203:2009	LpA dB(A)	85
External, acc. to Directive 2000/14/EC	LwA dB(A)	106

GROUND CONTACT PRESSURES							
for 190.5 mm x 381 mm (7.50 in x 15 in) 14 Ply Smooth Tread Compactor Tires							
		Tire Pressure kPa (PSI)					
		241.3 (35)	344.7 (50)	482.6 (70)	620.5 (90)	758.4 (110)	896.3 (130)
Ballast	Wheel Load	Ground Contact Pressure					
None	480.8 kg (1,060 lb)	317.2 (46)	344.7 (50)	386.1 (56)	420.6 (61)	468.8 (68)	510.2 (74)
Water	866.4 kg (1,910 lb)	372.3 (54)	406.8 (59)	448.1 (65)	496.4 (72)	537.8 (78)	592.9 (86)
Gravel	1 152.1 kg (2,540 lb)	393.0 (57)	434.4 (63)	482.6 (70)	524.0 (76)	572.3 (83)	620.5 (90)
Wet Sand	1 252.0 kg (2,760 lb)	399.9 (58)	441.3 (64)	489.5 (71)	537.8 (78)	586.1 (85)	634.3 (92)
Concentrate	1 406.1 kg (3,100 lb)	413.7 (60)	455.1 (66)	503.3 (73)	551.6 (80)	599.8 (87)	648.1 (94)

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