MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*ABG*
Model:	*PT240R*
Equipment Type:	*Pneumatic Tire Compactor*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing only*
Speed:	*No restriction*
Weight:	*36,218 lb or less*
Traffic:	*Approved with regular traffic*
Location Restrictions:	*No restriction*

Non-Interstate Approval Conditions

Approval Type	*Crossing only*
Speed:	*No restriction*
Weight:	*36,218 lb or less*
Traffic:	*Approved with regular traffic*
Location Restrictions:	*No restriction*

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Equipment must be empty while crossing.

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)

	TIRE INFLATION PRESSURE (PSI)			
WHEEL LOAD	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)		460 L (122)
Filters		2 stages
Nozzles		1 spray nozzle per tire
MISCELLANEOUS		
Fuel Capacity – L (gal)		250 (66)
GUARANTEED SOUND LEVEL		
Operator's Ear, acc. to ISO 11203:2009	LpA dB(A)	82
External, acc. to Directive 2000/14/EC	LwA dB(A)	101

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

ABG

Ref. No 20056638_A
2018.08
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