



RC180

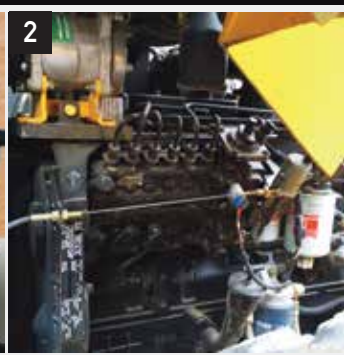
COMPACTOR



Flat-out value proven productivity, reliability, durability.



A machine needs to work to earn its keep. Rhino Equipment Vibratory Soil Compactors are well equipped to perform a wide range of applications. Options like padfoot shell kits, leveling blades and Rhino's dual vibration system add capability, making your Rhino Vibratory Soil Compactor the machine of choice no matter what the application requires.



1. Operating station adjusts to suit operator comfort, and the console provide fingertip access to machine features and operating information.
2. Reliable and durable Cummins engine.
3. A tamping foot available roller has feet, or pads, that penetrate the soil, compacting from the bottom to the top for uniform density.

OPERATING WEIGHT

Machine with Cab kg (lb)	18,000(39.683)
Weight at the Drum with Cab kg (lb)	9,500(20.944)
Weight at the Rear Axel with Cab kg (lb)	8,500(18.739)
Operating Weight with Drum Drive System kg (lb)	18,200(40.124)
Operating Weight with Drum Drive System and Pad Foot kg (lb)	19,130(42.174)
Static Linear Load kg/cm (lb/in)	47,0(26.8)

VIBRATORY SYSTEM

Min. Frequency Hz (vpm)	35(2.100)
Max. Frequency Hz (vpm)	28(1.680)
Nominal Amplitude @ Max. Frequency	
High mm (in)	1,9(0.07)
Low mm (in)	0,95(0.04)
Centrifugal Force	
High kN (lbf)	375(84.303)
Low kN (lbf)	270(60.698)

POWERTRAIN

Engine Make / Model	Cummins 6BT5.9 or Rhino
Net Power kW (Hp) @2,300 rpm	132(177)
Displacement L (cu. In)	5,9(360)
Peak Torque Nm (ft-lb) @1,600rpm	620(457)
Emissions Rating (optional)	Tier 2 (Tier 3, Tier 4)
Fuel System	Direct injection
Lubrication	Full-flow spin-on filter
Aspiration	Turbocharged
Air Cleaner	Under-hood, dual element dry type
Fan Drive	Belt driven
Electrical System	24 volts with 70 Amp alternator
Axle	Limited slip with planetary reduction
Tire	23.1-26 12 Ply
Oscillation Angle of Vibration Drum (°)	17,5

TRANSMISSION

Type	Hydrostatic, closed center, constant-meshing gearing
Travel Speed kph (mph)	11,0(6.8)

HYDRAULIC SYSTEM

Pump Type	Piston pump, variable displacement, closed center
System Pressure Mpa (psi)	40(5.802)
Vibration System Pressure Mpa (psi)	28(4,061)
Steering System Pressure Mpa (psi)	15(2.176)

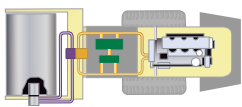



BRAKE SYSTEM

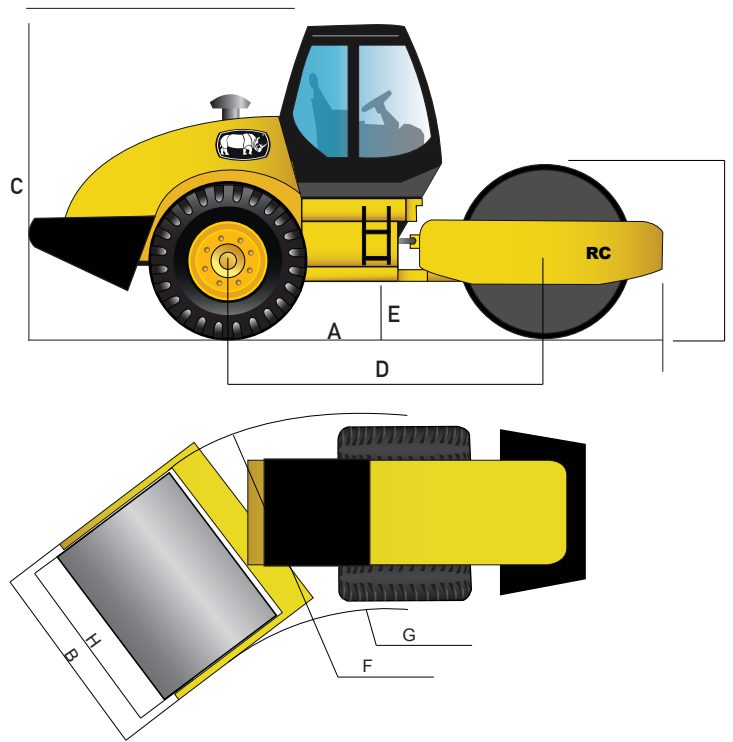
Service Brake	Pneumatically assisted, hydraulically actuated, two wheels disk brake, dynamic braking whenever the direction control lever is moved to the neutral position
Parking Brake	Manually activated, disk brake mounted on transmission output shaft

REFILL CAPACITIES L (gal)

Fuel Tank	300(79)
Engine Oil	15(4)
Hydraulic Tank	200(53)
Gear Box	2,2(0.6)
Axle Oil	18(5)
Brake System	1,5(0.4)
Vibration Drum (both sides, each)	56(15)

OPTIONS

	Drum Drive
	Pads
	Dozer Blade
	Water Pressure



MACHINE DIMENSIONS

A. Overall Length mm (ft)	6,435(21.1)
B. Overall Width mm (ft)	2,280(7.5)
C. Max. Machine Height mm (ft)	3,090(10.1)
D. Wheelbase mm (ft)	3,380(11.1)
E. Ground Clearance mm (ft)	480(1.6)
F. Min. Turning Radius mm (ft)	7,500(24.6)
G. Articulation Angle (°)	35
Gradeability (%)	30

DRUM DIMENSIONS

H. Drum Width mm (in)	2,100(82.7)
I. Drum Diameter mm (in)	1,450(57.1)
Drum Shell Thickness mm (in)	25(1.0)

OPTIONS

ROPS/FOPS Cab, A/C, Pressurized Water Spray System, Drum Drive System, Pad Foot, Dozer Blade, Tier 3, Tier 4 Engine

Equipment specifications and images may change without notice from Rhino Equipment Group Inc.

