RCT14H-3

TANDEM VIBRATORY ROLLER

RHINO

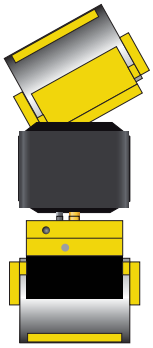
Drum Choices For Productivity.

The Rhino tandem vibratory drums. It excels on a variety of asphalt mix designs as well as other granular materials. It features exceptional visibility and control, smooth operating powertrain, versatile vibratory systems, and the industry leading water spray system.

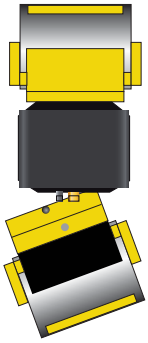
The Rhino tandem vibratory drums. utilize the latest in sensing technologies with electronic monitoring to optimize compaction; thus, increasing production and making customers more efficient on worksites.

OPERATING WEIGHT	
Machine with Cab Kg (lb)	14,000(30,865)
Static Linear Load kg/cm (lb/in)	32.9(19)
VIBRATORY SYSTEM	
Max. Frequency Hz (vpm)	55(3,300)
Min. Frequency Hz (vpm)	40(2,400)
Nominal Amplitude @ Max. Frequency	
High mm (in)	0.74(0.03)
Low mm (in)	0.35(0.01)
CENTRIFUGAL FORCE	
High kN (lbf)	350(78,683)
Low kN (lbf)	220(49,458)
POWER TRAIN	
Engine Make / Model	Cummins 6BTAA5.9 or Rhino
Net Power kW (Hp) @ 2,200 rpm	110(148)
Displacement L (cu. In)	5.9(360)
Emissions (optional)	Tier 2 (Tier 3, Tier 4)
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
TRANSMISSION	
Type	Hidrostatic all-drum travel drive by full-hydraulic motors, double reduction for infinite variable speeds
Travel Speed kmh (mph)	13(8)
HYDRAULIC SYSTEM	
Pump Type	Axial piston pump, Variable displacement, Closed Center
Vibration Type	Axial piston motors, Constant displacement
System Pressure Mpa (psi)	42(6,092)
Vibration System Pressure Mpa (psi)	14(2,031)
Steering System Pressure Mpa (psi)	10(1,450)
BRAKE SYSTEM	
Service Brakes	Hydrostatic dybamic breaking
Parking Brake	Electronically activated
REFILL CAPACITIES L (gal)	
Fuel Tank	250(66)
Engine Oil	15(4)
Hydraulic Tank	195(52)
Water Tank	800(211)

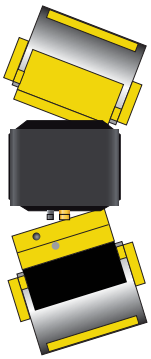
STEERING MODES



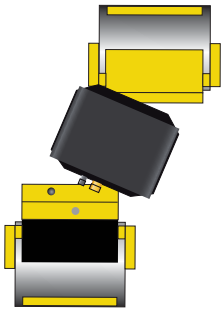
Front Steering



Leading Drum Steering

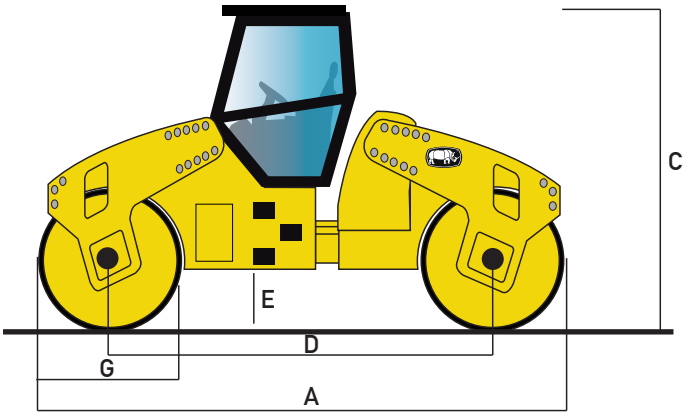


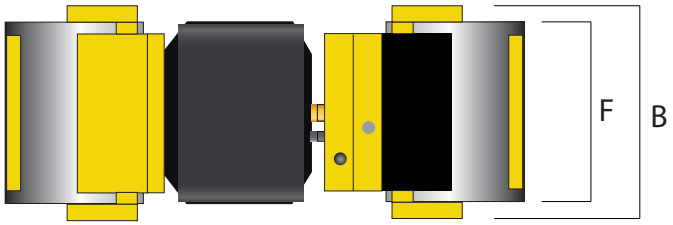
Coordinated Steering



Offset Operation

MACHINE DIMENSIONS





A. Overall Length mm (ft)	4,890(16.0)
B. Overall Width mm (ft)	2,240(7.3)
C. Max. Machine Height mm (ft)	3,120(10.2)
D. Wheelbase mm (ft)	3,590(11.8)
E. Ground Clearance mm (ft)	350(1.1)
Outside Turning Radius mm (ft)	7,000(23.0)
Inside Turning Radius mm (ft)	5,800(19.0)
Articulation Angle	35 degrees
Gradeability	23 degrees

DRUM DIMENSIONS

F. Drum Width mm (in)	2,130(83.9)
Drum Shell Thickness mm (in)	25(1.0)
G. Drum Diameter mm (in)	1,300(51.2)

OPTIONS

ROPS/FOPS Cab, Pressurized Water Spray, Anti-Freeze Kit for Water Tanks, Tier 3, Tier 4 Engine.

Compactor operating information is based on machine with identified linkage and standard equipment, standard tires, full fuel tank, and 79-kg (175 lb.) operator. This information is affected by changes ballast, and different attachments.