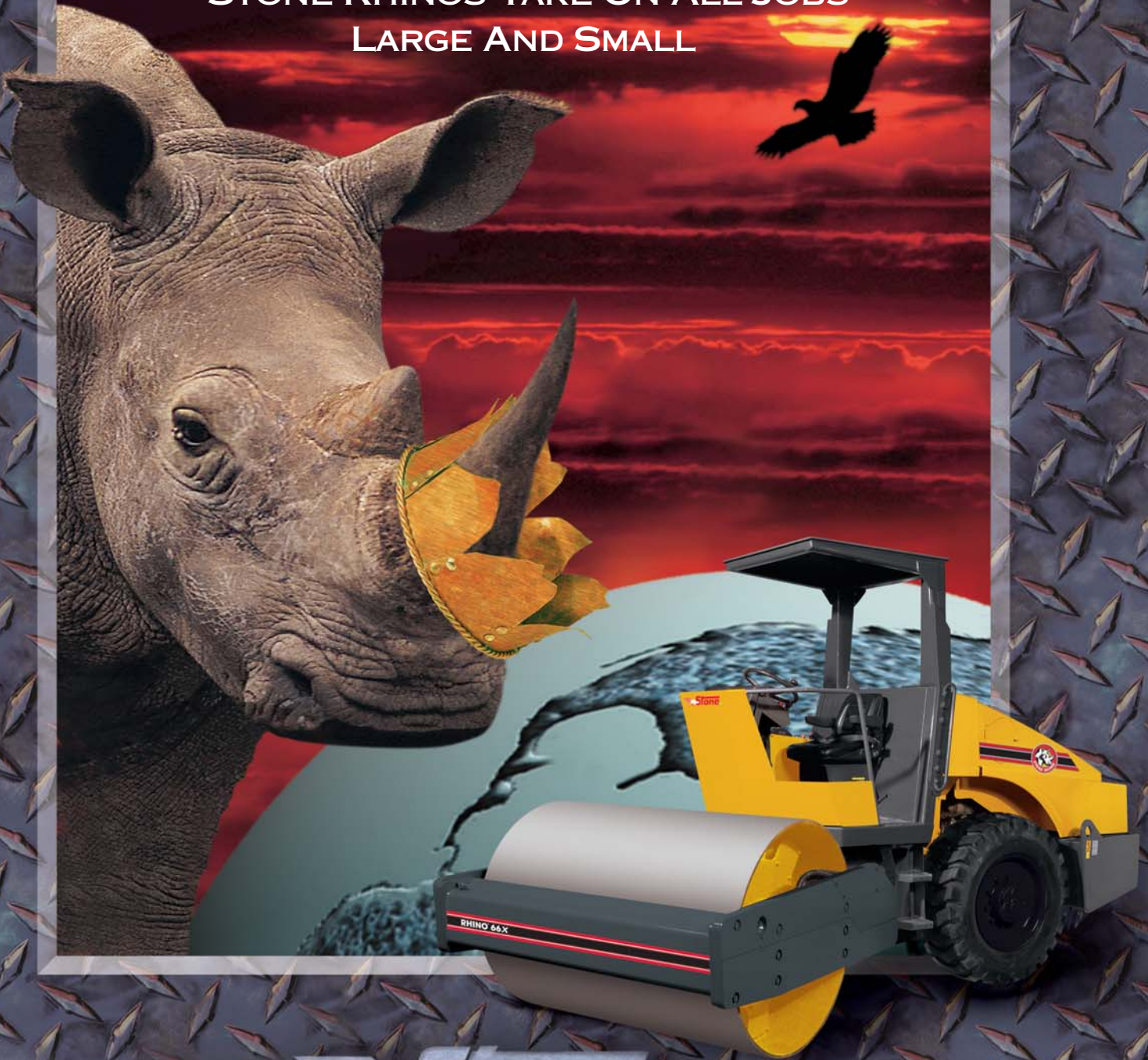


STONE RHINO® VIBRATORY DIRT ROLLERS

RHINOS RULE!

STONE RHINOS TAKE ON ALL JOBS
LARGE AND SMALL



Stone®

CONSTRUCTION EQUIPMENT
BRED TOUGH. BORN TO WORK.

THE LINEAGE TO LORD OVER ANY SIZE JOB

There's a Stone Rhino® Vibratory Dirt Roller that's perfectly matched for small, medium and large jobs. From highways and bridges to commercial sites, parking lots, even housing tracts, Stone Rhinos take care of business. Quick and easy.

For confined-area compacting, Rhino 43" and 54" rollers, powered by a 58 hp John Deere engine, pack 12,000 lbs. of centrifugal force. And for large projects, nothing takes charge like the Rhino 66X with a 110 hp Cummins engine. This 66" dual amplitude machine is the king of the hill in power and performance and can pound any job down to size with up to 28,101 lbs. of force.

Reign Supreme With Lower Lifetime Costs

Rhino helps reduce the high cost of ownership, too. With such increased serviceability features as easy access to all components and self-diagnosing warning lights and gauges, troubleshooting is a snap. Plus, Stone's same-day parts response keeps your Rhino on the job, not in the shop.

Put one of these rollers to work on your next tough job. For power, performance, impact and reliability, Stone Rhinos rule.

THE MAS CONFINED-AREA

Even the tightest spots are no match for a Stone Rhino 43". That's because its superior articulating frame turns a full 35° to give you more maneuverability, even in those really confined areas. You get optimum compaction force that crushes the earth with 12,000 pounds of centrifugal force. Plus, a fast, powerful 58 hp John Deere diesel engine and Positraction drive system lets you charge over any terrain to meet the toughest compaction specs in minimum time.

- Variable speed ranges from 0 to 4 for smooth acceleration on any soil.
- Articulating frame flexes a full 35° and drum oscillates a full 9° for optimum maneuverability even in the most confined areas.
- Infinitely variable hydrostatic power steering allows you to turn on a dime.
- Controls are conveniently located to minimize movement and maximize reach for operator comfort.
- Monitor gauges and lights at a glance.
- Operator compartment offers excellent driver visibility.
- ROPS/FOPS provides maximum protection for operator safety.
- Stone's same-day parts response virtually guarantees your Stone Rhino will be on the job.



Earth-Crushing Padfoot. Helically placed pads deliver maximum compactive force on cohesive soils. Two pads are always in contact with the soil to give you a smooth, effective roll.

Raise some dust and turn some heads with a Stone Rhino 43. Get the ruling power, productivity and performance that has no equal anywhere.



STER FOR MANEUVERING



The lift-up cowl provides optimum access for servicing and protects the 58 hp John Deere engine, muffer and other components.



Rhino SD43

Stone Rhino 43 Specifications

MODEL	STONE SD 43	STONE PD 43	STONE PDB 43
Drum Type	Smooth	Padfoot	Padfoot w/blade
Dimensions			
Operating Wt. (Kg)	6100# (2767)	6409# (2907,1)	6771# (3071,3)
Drum Width (cm)	43" (109,2)	43" (109,2)	43" (109,2)
H x L x W (cm)	97" x 124" x 49" (246,4x315x124,5)	97" x 124" x 49" (246,4x315x124,5)	97" x 136" x 57" (246,4x315x144,8)
Tire Profile	Diamond Tread	Cleated Tractor	Cleated Tractor
Tire Size (cm)	9.5 x 16 (24,1 x 40,6)	9.5 x 16 (24,1 x 40,6)	9.5 x 16 (24,1 x 40,6)
Operating System			
Engine (kw)	58 hp John Deere (43)	58 hp John Deere (43)	58 hp John Deere (43)
RPM (Hz)	2500 (41,7)	2500 (41,7)	2500 (41,7)
Fuel Capacity (liters)	20 gal. (757)	20 gal. (757)	20 gal. (757)
Drive System	Positraction	Positraction	Positraction
Cooling	Water	Water	Water
Parking Brake	Mechanical	Mechanical	Mechanical
Security Braking System	Hydrostatic	Hydrostatic	Hydrostatic
Performance			
Centrifugal Force (kN)	12,000# (53,38)	12,000# (53,38)	12,000# (53,38)
Frequency (Hz)	2100 (35)	2100 (35)	2100 (35)
Total Applied Force (kN)	14,900# (66,28)	15,209# (67,65)	15,808# (70,32)
Speed			
Low Gear (kilometers/hour)	0-2 mph (0 - 3,22)	0-2 mph (0 - 3,22)	0-2 mph (0 - 3,22)
High Gear (kilometers/hour)	0-4 mph (0 - 6,44)	0-4 mph (0 - 6,44)	0-4 mph (0 - 6,44)
Amplitude (mm)	.071" (1,80)	.059" (1,50)	.059" (1,50)
Articulating Angle	35°	35°	35°
Oscillating Angle	9°	9°	9°
Gradeability	90%	70%	70%
Inside Turning Radius (m)	94.25" (2,39)	94.25" (2,39)	94.25" (2,39)
Wall Clearance (cm)	2.5" (6,35)	2.5" (6,35)	7" (17,78)
Curb Clearance (cm)	14" (35,56)	14" (35,56)	14" (35,56)
Area Cap. (Sq.Ft./Hr.) (M ²)	37,840 sq.ft./hr. (3515,5)	37,840 sq.ft./hr. (3515,5)	37,840 sq.ft./hr. (3515,5)

THE RULER POWER AND

20 gal. hydraulic oil reservoir delivers cooler operation, longer change intervals

Hydraulic oil sight gauge for easy monitoring

Engine cowl provides optimum air flow to 58 hp John Deere engine

Adjustable padded seat—with flip-up arm rests and seat belts—maximize operator comfort and safety

Conveniently positioned forward and reverse controls minimize operator movement, maximize comfort

Unique hinge provides 35° articulation/ 9° oscillation to enhance maneuverability on all terrains

Standard certified ROPS/FOPS provides additional operator protection, at no additional cost

Power steering reduces operator fatigue and increases maneuverability

Push button for cold weather starting

Electric keyed start with solenoid shut-off prevents dead battery

Systems gauges allow monitoring at a glance

14" curb clearance allows compaction close to curb

Large 20 gal. fuel tank provides longer operating times between refills. (other side of machine)

Get the impact force and productivity of a large machine at a fraction of the cost. The Stone Rhino 54 brings you compaction specs that are right on the money. It's the only medium-size vibratory soil compactor that hits hard, moves fast, and turns tight.



Optional knockdown blade available on padfoot models. Use this blade to grade or to level uneven soil and terrain.



Gauges, warning lights and meters are optimally placed for greater operator visibility and accessibility.

Rhino PD54

IN IMPACT, PRODUCTIVITY

The secret is in the design. Stone engineers synchronized the balance between the frequency, mass and amplitude of the drum—to give optimum impact per pound of working weight. As a result, the Stone Rhino can handle higher lifts than any other compactor. Rhino gets the job done fast to bring home maximum productivity, too.

- Positraction system automatically diverts power where needed for ground-grabbing traction.
- Two drum styles for use on cohesive or granular soils.
- Configure tires and drums for optimum compaction in any condition. Diamond-tread flotation tires and smooth drum move smoothly across granular soils. Tractor-type traction tires and padfoot drum grip best on cohesive soils.
- Quick-access service design groups all major maintenance points together for easy service, lower cost of ownership.
- Backed by Stone's same-day parts response to reduce maintenance time and lower cost of ownership. That keeps your Stone Rhino on the job.

Get productivity and performance that bring others to their knees. Demand the ruling power and stand your ground with the Stone Rhino 54.

Stone Rhino 54 Specifications

MODEL	STONE SD 54	STONE PD 54	STONE PDB 54
Drum Type	Smooth	Padfoot	Padfoot w/blade
Dimensions			
Operating Wt. (Kg)	6540# (2966,5)	6880# (3120,7)	7275# (3300)
Drum Width (cm)	54" (137,2)	54" (137,2)	54" (137,2)
H x L x W (cm)	97" x 124" x 59" (246,4x315x149,9)	97" x 124" x 59" (246,4x315x149,9)	97" x 136" x 68" (246,4x315x172,7)
Tire Profile	Diamond Tread	Cleated Tractor	Cleated Tractor
Tire Size (cm)	9.5 x 16 (24,1 x 40,6)	9.5 x 16 (24,1 x 40,6)	9.5 x 16 (24,1 x 40,6)
Operating System Engine (kw)	58 hp John Deere (43)	58 hp John Deere (43)	58 hp John Deere (43)
RPM (Hz)	2500 (41,7)	2500 (41,7)	2500 (41,7)
Fuel Capacity (liters)	20 gal. (757)	20 gal. (757)	20 gal. (757)
Drive System	Positraction	Positraction	Positraction
Cooling	Water	Water	Water
Parking Brake	Mechanical	Mechanical	Mechanical
Security Braking System	Hydrostatic	Hydrostatic	Hydrostatic
Performance			
Centrifugal Force (kN)	12,000# (53,38)	12,000# (53,38)	12,000# (53,38)
Frequency (Hz)	2100 (35)	2100 (35)	2100 (35)
Total Applied Force (kN)	15,100# (67,17)	15,419# (68,59)	16,075# (71,51)
Speed			
Low Gear (kilometers/hour)	0-2 mph (0 - 3,22)	0-2 mph (0 - 3,22)	0-2 mph (0 - 3,22)
High Gear (kilometers/hour)	0-4 mph (0 - 6,44)	0-4 mph (0 - 6,44)	0-4 mph (0 - 6,44)
Amplitude (mm)	.062" (1,57)	.053" (1,35)	.053" (1,35)
Articulating Angle	35°	35°	35°
Oscillating Angle	9°	9°	9°
Gradeability	90%	70%	70%
Inside Turning Radius (m)	88.75" (2,25)	88.75" (2,25)	88.75" (2,25)
Wall Clearance (cm)	2 1/2" (6,35)	2 1/2" (6,35)	7" (17,78)
Curb Clearance (cm)	14" (35,56)	14" (35,56)	14" (35,56)
Area Cap. (Sq.Ft./Hr.) (M ²)	47,520 sq.ft./hr. (4414,8)	47,520 sq.ft./hr. (4414,8)	47,520 sq.ft./hr. (4414,8)

THE KING OF T

Labyrinth design inside hood provides maximum clean air flow to engine, increases component life, reduces noise

Tractor/turf tires work with the drums for optimum traction and performance on any terrain.

Easy access battery compartment with heavy-duty 12-volt battery

Stone's Rhino 66X Vibratory Dirt Roller is king when it comes to the big road and bridge jobs yet it's small enough for industrial or commercial site prep applications. This 10-ton machine delivers performance and productivity at a competitive price. Its powerful, 110-hp Cummins engine and no-spin differential let you master steep grades easily, making it the king of the hill on any ground. Plus, with dual amplitude, select high or low compaction—up to 28,101 lbs.—to rule every job specification.

45-gallon diesel fuel and hydraulic tanks, easy-access rear mounted transmission and eccentric pumps and filters

Heavy-duty ROPs/FOPs designed for easy removal

Adjustable seat with flip-up armrests and seat belts for operator comfort and safety

Instrumentation panel monitors machine and engine performance

Dual purpose gauges:

- Engine temperature gauge
- Engine oil pressure
- Charging system, voltage
- Fuel level

2 Performance Gauges

- Engine tachometer with hour meter
- Eccentric speed rpm

Hood air shocks facilitate easy lifting—provide maximum access for service

Superior shock mounts isolate operator platform, battery, engine and electric components from vibration

Spherical bearings provide both articulation and oscillation at pivot. Centrally located grease and lube points for easy service

Heavy-duty Dana no spin axle, driven by a Sauer Danfoss® hydrostatic transmission pump, prevents slipping

Heavy-duty shock mounts—Isolate drum, absorb torque

Sauer Danfoss® piston motor drives the torque hub for optimum torque and performance

Oil site gauge

Rhino SD66X

THE COUNTRY



Reliability & Power to Spare

Reliability from recognized components

- 110 hp Cummins engine provides 240 ft./lb. torque @ 2400 RPM to take you where you want to go.
- Sauer Danfoss hydraulic system works trouble free for years.
- Heavy-duty Dana no-spin differential axle, driven by Sauer Danfoss axial piston motor, distributes power for easy climbing.
- Extra-large hydraulic oil reservoir keeps system running cooler.

- Hydraulic bypass for towing and transport.
- Scrappers are interchangeable between smooth and clam shell.
- Stone's same-day parts response reduces maintenance time and lowers cost of ownership to keep your Stone Rhino on the job.

For sheer brute force plus maximum impact and maneuverability, put one to work today. The Rhino 66X—it's packed with the muscle to be King of any job.

Versatility for Any Application

- Variable compaction lets you select the right force for the job. Variable speed control maximizes productivity.
- Unparalleled gradeability, and articulating frame and oscillating drums combine for tight, easy maneuvers.

Simple Servicing

- Engine compartment offers easy access to all components for faster service time, lower cost.
- Easily accessible battery compartment.



Optimum performance, maximum productivity, and versatile, smooth, easy operation on any soil condition.



Instrumentation panel provides easy visibility to gauges.



With a Rhino SD66X smooth drum vibratory dirt roller and a padfoot conversion kit you have the versatility of two rollers in one. The conversion kit features drum shells, scrapers, hardware and an anti-spin device. Roller weight with padfoot installed: 18,846 lbs (8,566 kg).



Easy-access operator console puts all controls at your fingertips:

- 4-in-1 Lever controls forward, reverse, speed and vibration.
- Engine Throttle Lever
- High/Low Amplitude
- High/Low Travel Speed
- E-stop



Lift-up fiberglass hood provides maximum access to engine compartment. Pumps and filters, fuel and hydraulic fill caps and all components are easily accessible at rear of compartment. Makes routine servicing fast and easy.

THE RIGHT SPECS FOR A LONG RULE



Stone Rhino 66X[®] Specifications

MODEL	STONE SD66X	STONE PD66X	STONE SD66XC
Drum Type	Smooth	Padfoot	Smooth with Pad Kit
<u>Dimensions</u>			
Operating Wt. (Kg)	17,196# (7816)	18,078# (8217)	18,846# (8566)
L x W x H (cm)	189" x 73.2" x 109.6" (480x186x278,5)	193" x 73.2" x 110.6" (490x186x281)	189" x 73.2" x 109.6" (480x186x278,5)
Drum Width (cm)	66" (168)	66" (168)	66" (168)
Drum Diameter (cm)	48" (122)	48" (122)	48" (122)
Tire Profile	Tractor/turf	Tractor/turf	Tractor/turf
<u>Operating System</u>			
Engine (kw)	110 hp Cummins Water Cooled Turbo (82,3)	110 hp Cummins Water Cooled Turbo (82,3)	110 hp Cummins Water Cooled Turbo (82,3)
Operating Speed (Hz)	Up to 2,400 RPM (40)	Up to 2,400 RPM (40)	Up to 2,400 RPM (40)
Fuel Capacity (kl)	45 gal. (170)	45 gal. (170)	45 gal. (170)
Hydraulic Reservoir (kl)	45 gal. (170)	45 gal. (170)	45 gal. (170)
Drive System	Hydrostatic drive with no spin axle	Hydrostatic drive with no spin axle	Hydrostatic drive with no spin axle
Parking Brake	Spring applied hydraulic release	Spring applied hydraulic release	Spring applied hydraulic release
Security Braking System	Hydrostatic	Hydrostatic	Hydrostatic
<u>Performance</u>			
Centrifugal Force			
High (kN)	22,481# (100)	28,101# (125)	22,481# (100)
Low (kN)	21,357# (95)	26,977# (120)	21,357# (95)
Vib Frequency at High Amplitude (Hz)	1740 (29)	1740 (29)	1740 (29)
Vib Frequency at Low Amplitude (Hz)	2400 (40)	2400 (40)	2400 (40)
Travel Speed			
High (km/hr)	0-6.2 mph (0-10)	0-6.2 mph (0-10)	0-6.2 mph (0-10)
Amplitude High (mm)	.067" (1,7)	.067" (1,7)	.067" (1,7)
Amplitude Low (mm)	.031"-040" (80)	.035" (.90)	.031" (80)
Gradeability	55%	55%	55%
Inside Turning Radius (cm)	117" (2,98)	117" (2,98)	117" (2,98)
Wall Clearance (cm)	3.5" (9,0)	3.5" (9,0)	3.5" (9,0)
Curb Clearance (cm)	13.5" (34,5)	13.5" (34,5)	13.5" (34,5)

Sold and Serviced By:



RIGHT BUILT MEANS TOUGH SENSIBLE MACHINES THAT LOWER LIFETIME OWNERSHIP COSTS AND ARE RELIABLE AND EASY TO SERVICE

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