



# RUS-600

UNDERGROUND SCALERS





# Impact Power with Precise Control.

The Rhino RUS600 Underground Mining Scaler is equipped with enhancements that not only increase productivity and uptime, but also reduce daily operating costs. A high-efficiency hydraulic system, optimized impact energy, and advanced controls that enable precise and consistent operation lead a long list of innovations.



1. Climate-control system with automotive-style adjustable louvers helps keep windows clear and the cab comfortable.
2. Advanced LCD monitor provides intuitive access to a wide range of operational, monitoring, and diagnostic data and functions.
3. Ergonomically positioned short-reach controls deliver smooth and predictable operation, reducing operator movement and effort during rock scaling and ground control tasks.

## ENGINE AND POWERTRAIN

Engine manufacturer	RHINO RUS67 / Yanmar 4TNV98
Engine type	Diesel, 4-stroke Direct injection
Number of cylinders	4
Displacement L (in <sup>3</sup> )	3.32 (202.5)
Rated power kW (hp)	67 (89.8) / 54.3 (72.8)
Maximum power kW (hp)	72.7 (97.0) / 60 (80)
Maximum torque N·m (lb·ft)	315 (232) / 260 (192)
Rated power engine speed rpm	2500
Rated torque engine speed rpm	1600
Cooling system	Liquid
Emission standard	EU Stage III
Fuel tank capacity L (US gal)	110 (29.1)
Fuel consumption L/h (gal/h)	8 (2.1)
Transmission type	Hydrostatic or Power Shift
Number of speeds	2
Drivetrain / Traction	4 times
Axle type	Rear tandem / rigid front axle
Differentials	With rear differential lock
Service brakes	Hydraulic wet disc brakes
Minimum speed km/h (mph)	4 (2.5)
Maximum speed km/h (mph)	15 (9.3)
Maximum slope ° (%)	14 (24.9)

## HYDRAULIC SYSTEM

Hydraulic control type	Proportional electro-hydraulic
Hydraulic pump type	Variable displacement axial piston pump
Maximum pressure bar (psi)	200 (2900)
Hydraulic flow L/min (gpm)	80 (21)
Hydraulic tank capacity L (gal)	90 (24)
Hydraulic oil type	ISO VG 46 (mineral)
Hydraulic filtration $\mu\text{m}$	10 $\mu\text{m}$ (return) / 25 $\mu\text{m}$ (suction)
Pilot pressure bar (psi)	~30–35 (~435–508)
Impact energy J (ft·lbf)	362 (267)
Impact frequency bpm	600–1100
Hammer type	Hydraulic
Tool diameter mm (in)	53 (2.09)
Chisel type	Conical point / Flat point / Moil chisel

## SCALING COVERAGE

Maximum scaling height mm (ft)	6035 (19.80)
Maximum horizontal reach mm (ft)	5248 (17.22)
Vertical reach mm (ft)	6022 (19.76)
Inner turning radius mm (ft)	2827 (9.27)
Outer turning radius mm (ft)	5042 (16.54)
Chassis oscillation $^{\circ}$	8
Steering angle $^{\circ}$	$\pm 35$
Hammer rotation $^{\circ}$	$\pm 180^{\circ}$
Boom swing $^{\circ}$	$\pm 35^{\circ}$
Lateral coverage mm	min 3.04m $\times$ 2.54m — max 8.04m $\times$ 8.04m
Minimum tunnel cross-section m (ft)	3.04 $\times$ 2.54 (10.0 $\times$ 8.3)
Maximum tunnel cross-section m (ft)	8.04 $\times$ 8.04 (26.4 $\times$ 26.4)

## ELECTRICAL SYSTEM (OPERATION)

Battery V (Ah)	2 × 12V / 100–120 Ah
Working lights	Yes
Emergency stop	Yes
Master switch	Yes

## AUTOMATION, CONTROL, AND CONNECTIVITY

Control type	Proportional electro-hydraulic
Proportional joystick	Yes
Telemetry	OPTIONAL
Remote control	OPTIONAL



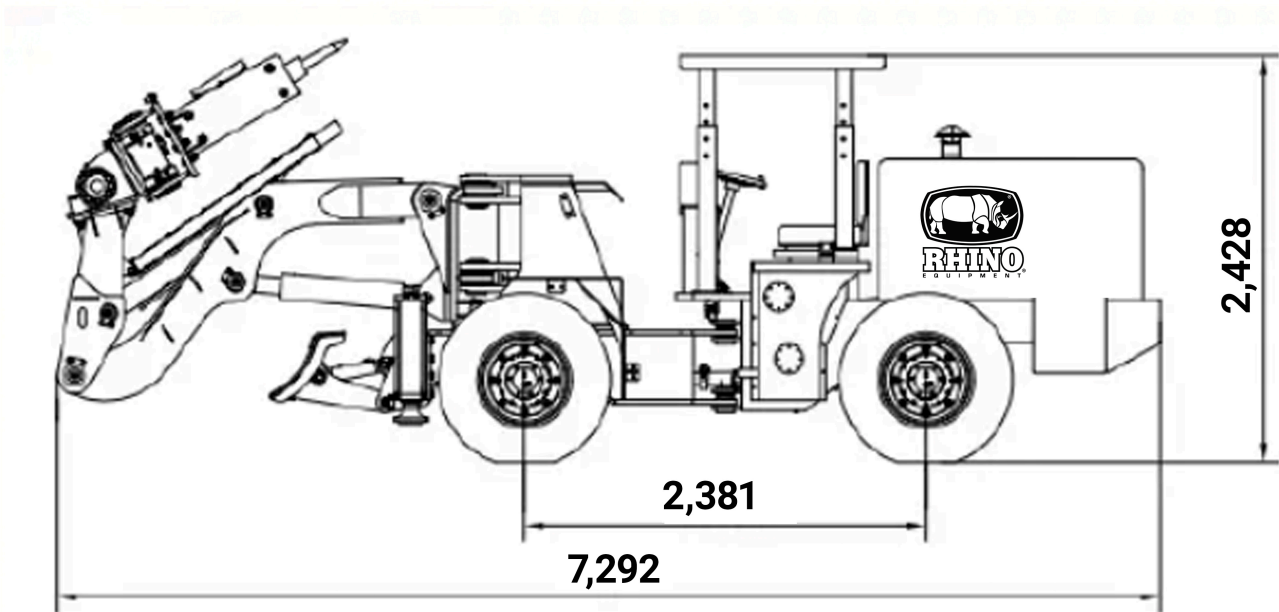
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## CAB, ERGONOMICS, AND SAFETY

ROPS certified cab	Yes
FOPS certified cab	Yes
Cab type	Enclosed
Air conditioning	Optional
Optional	Optional
Backup alarm / Reverse alarm	Yes
Horn	Yes
Fire extinguisher	Yes
Noise level dB(A)	~82–85 inside cab

## CHASSIS

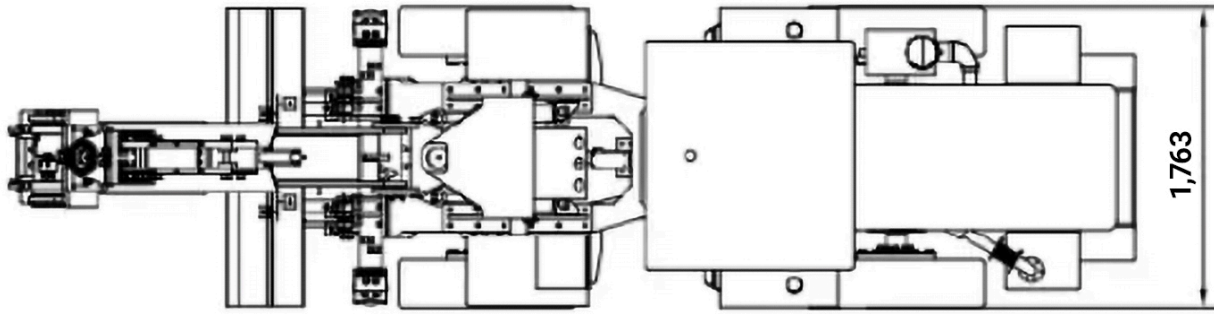
Steering	Articulated hydraulic
Chassis oscillation °	8
Steering angle °	±35
Tire size	10.00R20 (radial)



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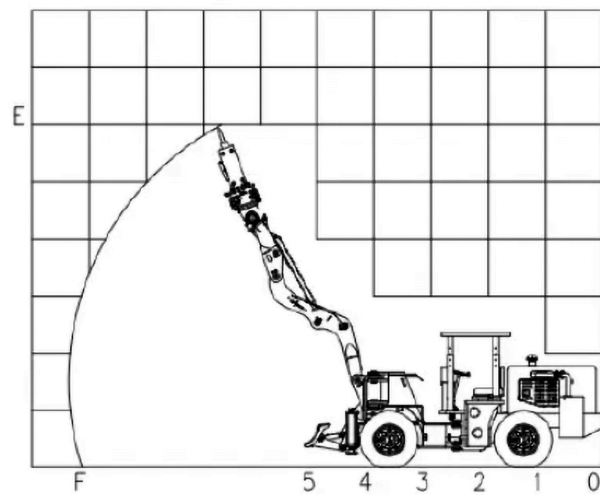
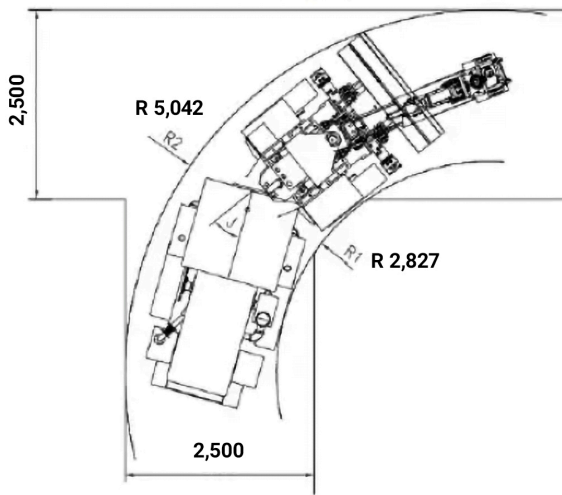
## CAPACITIES

Fuel tank L (US gal)	110 (29.1)
Engine oil L (gal)	10 (2.64)
Coolant L (gal)	12 (3.17)



## DIMENSIONS AND WEIGHT (TRANSPORT POSITION)

Length mm (ft)	7292 (23.92)
Width mm (ft)	1763 (5.78)
Height mm (ft)	2428 (7.97)
Operating weight kg (lb)	9500 (20,944)
Wheelbase mm (ft)	2381 (7.81)
Ground clearance mm (in)	315 (12.40)



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