RMWL-600

UNDERGROUND WHEEL LOADER

RHINO EQUIPMENT

Built for heavy loading, engineered for precision

This Rhino RMWL-600 Underground Wheel Loader is engineered with advanced features that maximize productivity, increase uptime, and reduce operating costs in demanding mining environments. A high-performance hydraulic system, optimized load-sensing technology, and operator-focused controls deliver faster cycle times and exceptional material handling efficiency.

1. Level climate-control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.

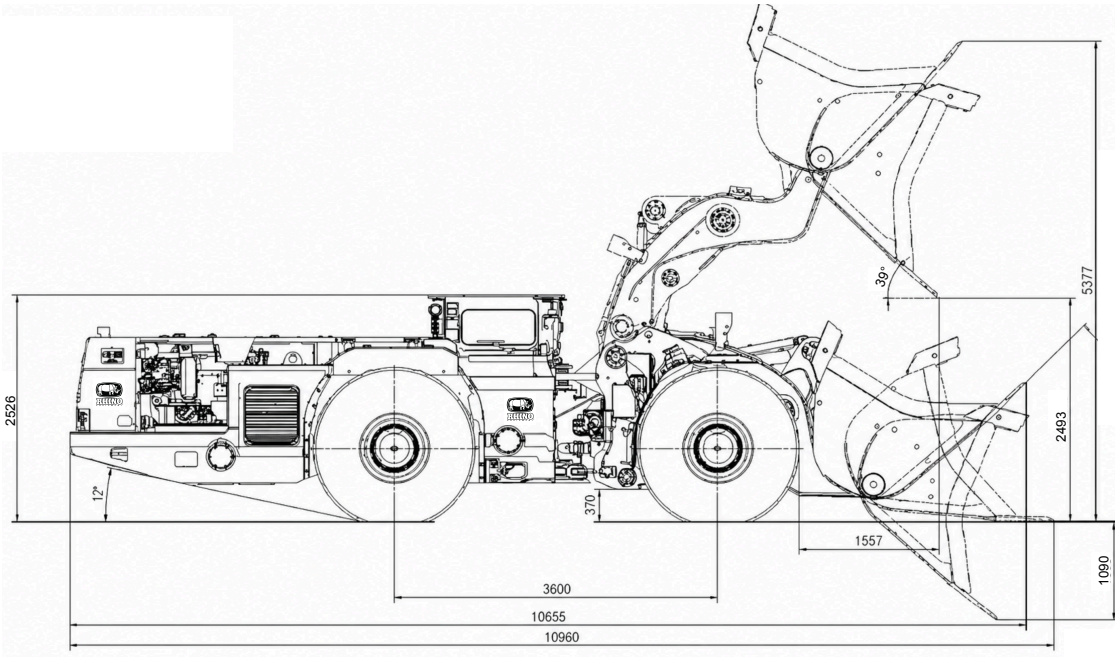
2. Advanced LCD monitor provides intuitive access to a wealth of operational and drilling data and functions.

3. Ergonomically correct short-throw pilot levers provide smooth, predictable fingertip control with less movement or effort.

ENGINE AND POWER TRAIN	
Engine model	RHINO RMWL 290T / VOLVO TAD1350VE (Diesel)
Engine manufacturer	Rhino Equipment / Volvo
Power kW (hp) @ rpm	290 (388) @1,900/ 285 (382) @1,900
Maximum torque (N·m) @ rpm	1,965 @1,200–1,400
Cilinders	6
Displacement L (cu. in)	12,5 (762.8)
Emissions	Stage III / Euro III equivalent
Transmission type	Hydrostatic CVT (Variable-displacement pump + variable-displacement motor)
Hybrid / electric system	No — 100% diesel

CAPACITIES AND PERFORMANCE	
Rated capacity (payload) kg (tons)	15,000 (15)
Standard bucket capacity m^3 (yd^3)	6.0 (7.85)
Discharge bucket (optional) m^3 (yd^3)	5.7 (7.46)
Break-out force kN (lbf)	22,841 (50,347)
Static tip-over load in a straight line kg (lb)	37,612 (82,920)
Hydraulic cycle time (s)	13.3 (Upload: 6.7 / Download: 3.4 / Speed: 2.8)
Ride control	Optional
AXLES, STEERING AND WHEELS	
Front and rear axles	Rigid planetary shafts — DANA 53R model
Front differential	NO-SPIN (Locked Differential)
Articulation angle °	±42.5°
Turning radius (external) mm (ft)	6,806 (22.4)
Turning radius (inner) mm (ft)	3,346 (10.98)
Tires (specifications and plies)	6.5-25, 32-ply (L-5S) — 22.00-25 rim

BRAKES AND SAFETY	
Brake system	SAHR (Spring-applied / Hydraulically released)
Braking characteristics	Integrated parking and emergency brakes
Automatic brake test	Automatic Brake Application (ABA) – standard
Traction control	NO-SPIN front differential; permanent 4×4 drive — 287 kN (64.520 lbf) traction force
SPEEDS (TRAMMING)	
Max. speed in 1st gear km/h (mph)	~4.7 (2.92) (Minimum speed in CVT)
Max. speed in 4th gear km/h (mph)	~22.0 (13.67) (Maximum speed)
Speed on a 15–20% grade km/h (mph)	~8.5 (5.28) (2nd gear operation with lock-up)
HYDRAULIC SYSTEM	
System pressure	Pilot-operated electrohydraulic (proportional single-lever)
Pump flow rate L/min (gpm)	304 (80.31)
Tank capacity L (gal)	137 (36.19)
Hydraulic control	Hydrostatic variable-displacement system (integrated with CVT)
Return line filtration	Variable
DIMENSIONS AND WEIGHTS	
Empty operating weight kg (lb)	38,000 (83.78)
Total loaded weight kg (lb)	~52,000 (114.64) (38,000 (83.78) vacío + 14,000 (30.86) payload)
Overall length mm (ft)	10,655 (34.96)
Overall width mm (ft)	2,800 (9.19)
Overall height (ROPS) mm (ft)	2,526 (8.29)



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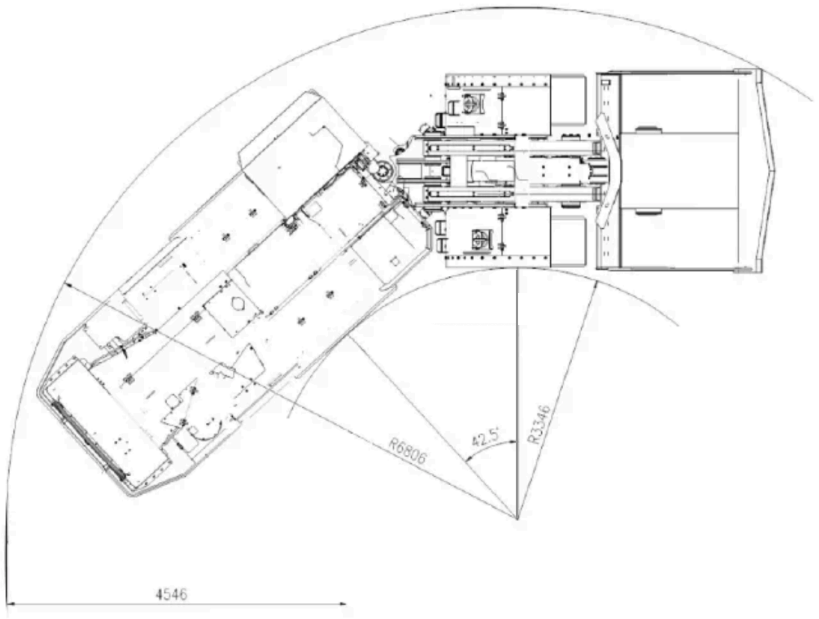
Maximum dumping height mm (ft)	2,493 (Punta del balde en posición elevada)
Wheelbase mm (ft)	3,600 (11.81)
Ground clearance mm (in)	424 (16.69)
FLUIDS AND RANGE	
Fuel tank capacity (gal)	420 (110.95)
Relative consumption	Low — Optimized motor; catalytic air purifier with built-in silencer
Standard airflow m^3/min (y^3/min)	~395 (516.64)
CAB AND ERGONOMICS	
Cabin certification	ISO ROPS & FOPS certified
Noise level	77dB(A)
Operator's seat	Cushioned seat with suspension (ergonomic)
Door interlock	Yes — Applies brakes and locks the steering and bucket/arm movement when opening
Air conditioning	Yes — Closed cabin with standard A/C
Visibility cameras	Standard LED lights; N/D cameras as standard
AUTOMATION	
Control system	Visual operator interface (display); automatic oil temperature and pressure alarms and electrical system
Autodig (automatic filling)	RHINO iCONTROL™ +.con SmartPower™, SmartShift™
Cargo weighing	RHINO LoadIQ™
Remote control / Standalone	Radio Remote Control (RRC) option
Monitoring / Telemetry	RHINO Connect™.
Electronic diagnostics	Built-in automatic alarm system



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MAINTAINABILITY	
Acceso puntos de servicio	All daily maintenance can be performed from ground level
Centralized lubrication	Automatic lubrication system included
Oil change interval h	500 to 1,000
Rebuilds	Highly versatile components and easy-to-replace parts
Fire suppression	Ansul wet chemical system (optional)
Emergency start	Factory-installed 24V auxiliary starter socket