

Volvo Construction Equipment Building Tomorrow



Volvo Rigid Haulers 95.0 t / 209,400 lb 1050 hp



WELCOME TO OUR WORLD

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

FUEL BOWSER

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

Working harder, working smarter

For over 180 years Volvo has been a pioneer in the design and manufacture of machines which set the standard for efficiency, performance and uptime. Across our range of excavators, wheel loaders and haulers, our reputation for engineering excellence is unrivalled, which means whatever your operation or application, we can provide a total fleet solution to help you succeed.

Building on our proud history, the Volvo Concept Lab continues to create cutting-edge ideas and innovative concepts, to ensure we offer customers machines which work harder and smarter long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

BUILDING TOMORROW

Drive your costs down

Drive your operating costs down with the established Volvo R100. Featuring a Tier 4 Final engine, the highly efficient rigid hauler offers long service intervals and component lifecycles. Productive, reliable and proven on job-sites throughout the world, make the R100 your partner for all mining and quarrying applications.

Designed for distance

Save time and money with the R100. The heavy-duty machine is engineered to extend service intervals, helping you cut maintenance costs and optimize uptime. Achieve unbeatable long-term value and longevity of major components with our reliable hauler.



Long life, low costs

Component longevity is key to a low cost of operation. That's why your machine is rigorously tested under extreme working conditions to meet high component lifecycles industry standards. Do more in the long haul with the R100 promoting, as a standard, two retardation systems for high levels of safe performance, while safeguarding primary brake life.



Heavyweight hauler

Go the extra mile with the optimally balanced R100. Offering a low center of gravity and even weight distribution, the solid machine spreads the load impacts and structural stresses equally across the truck. The outcome is superb machine and tire longevity leading to significantly reduced operating costs. Leave it to Volvo to find the right balance.



Volvo Dynamic Shift Control

Haul it all thanks to our fully automatic adaptive transmission gearshift patterns, further enhanced and payload sensitive if equipped with our On-Board Weighing option. Adapting to varying conditions, Volvo Dynamic Shift Control delivers productive performance through a smooth, consistent ride and low fuel consumption.





BIG ON EFFICIENCY

Move more with less fuel thanks to the latest technology built-into the R100 rigid hauler. Volvo Dynamic Shift Control delivers a premium drivetrain performance and also incorporates Eco Shift Mode, which defaults to the most efficient shift schedule when working on lighter applications. The auto-idle engine shutdown and optional gear sensitive On-Board Weighing further enhance fuel savings and reduce unnecessary engine wear.



FULLY LOADED

Offering a true 95-tonne payload, the R100 is designed to do more. Thanks to its optional exhaust-heated V-shaped body, the 60.4 m³ capacity hauler ensures optimum load retention and minimal material carry-back. For long lasting performance, the body is manufactured from high impact and high abrasion resistant steel. Enhance productivity with our 10-10-20 payload profile policy (please ask your local dealer for more detailed information).

Move more, earn more

Meet production targets faster with the largest rigid hauler in the Volvo portfolio. Offering the winning combination of power and performance, the 95-tonne machine hauls more tonnes per hour. Move more and earn more with Volvo.

Move more – faster

Get the job done with the R100, powered by the premium engine. Delivering high torque capabilities, the combined drivetrain provides unparalleled pulling performance and classleading rimpull for optimum travel time. Thanks to the fast bodytipping system, you can count on the R100 to achieve fast cycle times for an all-round efficient performance.



Real-time tonnage

Unlock the secret to your hauler's productivity using our optional On-Board Weighing technology from Volvo. The integrated system ensures the machine moves the optimum safe payload and logs all transported loads for complete production management, providing real-time data on the on-board display.

Up to the challenge

No terrain is too deep or steep for the R100. Thanks to the complete drivetrain design and configuration, the hauler yields impressive tractive effort, enabling you to tackle tough job site conditions and navigate gradients effortlessly. With high drive axle multiplication, the machine delivers high levels of rimpull for excellent performance on steep slopes.



Smart systems

Take your productivity to the next level thanks to smart systems – such as Volvo Site Simulation – for optimum site efficiency and minimal operational costs. To increase the productivity of your existing and future projects, utilize Volvo Site Simulation, which provides valuable information about your machinery, fleet choices and site configuration.



Safety at the center

Safety is built into every design element of Volvo machines – and the R100 rigid hauler is no exception. Featuring a ROPS/FOPS-certified cab, proven safety systems and straightforward service access, the R100 is safe from the inside out.

Solid stability

Featuring a low center of gravity, the rigid hauler is engineered to provide rock-solid stability. Conquer challenging conditions thanks to the expertly designed body and chassis, which work in harmony with the responsive suspension and steering geometry, for ultimate machine stability.



Total access

Whether operating or servicing your R100, gain safe and straightforward entry to the machine using anti-slip steps and secure walkways. From the wide platform or ground level, safely complete essential planned maintenance. For added protection and peace of mind – particularly during servicing – use integral safety locks to isolate the machine system.



Safety as standard

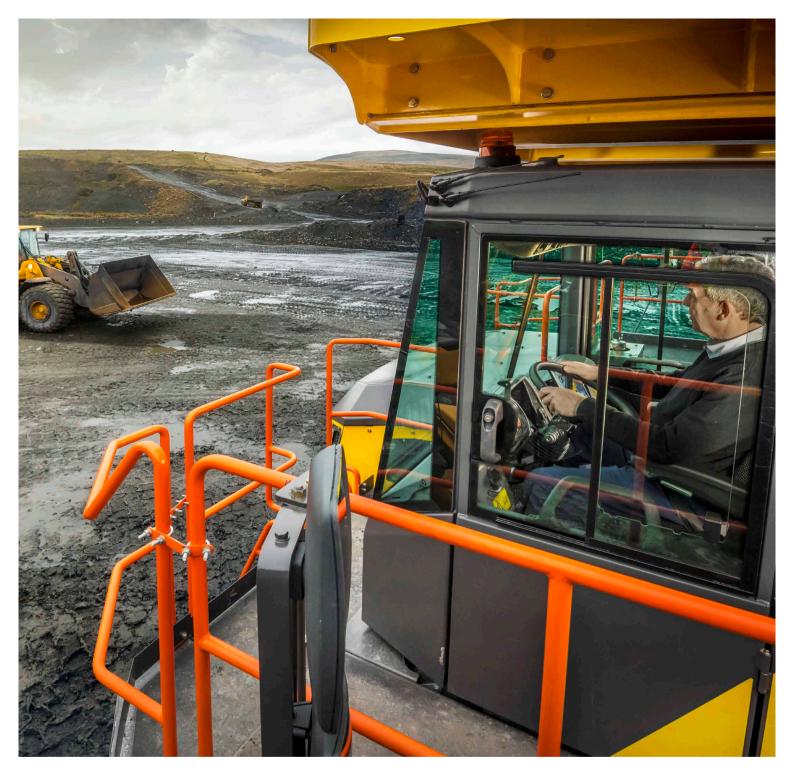
The R100 features two standard retardation systems for safer downhill machine control and enhanced ease of operation. The manually applied transmission retarder limits wheel lock-up, especially useful on steeper gradients and in wetter conditions. The modulating rear brake retarder, with automatic apply function, helps to maintain a controlled downhill engine speed.



Always in control

Operate with complete confidence thanks to a host of safety systems, such as the transmission overspeed protection feature, engineered to automatically slow down the machine to within safe operating limits. Machine control is enhanced by the neutral coast inhibitor, which protects the hauler in downhill operations. For added security, the R100 features fail-safe braking and secondary steering systems.





SAFE FROM THE INSIDE OUT

There's no compromise when it comes to safety. That's why all machine systems on the R100, such as the easily accessible emergency shutdown switches, have been designed and verified to protect the safety of you and your crew. From the ROPS/FOPS-certified cab, experience superb visibility, enhanced by Volvo Smart View, an integrated feature that helps you keep an eye on the surrounding job site traffic.





The robust and reliable R100 delivers superior, long lasting performance. Engineered with uptime in mind, the heavy-duty hauler is uncomplicated in its design, and purpose-built to achieve optimum productivity shift after shift, day in and day out.

Access more uptime

Access more uptime with the R100, designed to work for you. The machine design is purpose-built to meet the demands of tough job site conditions, including conveniently grouped service points for efficient maintenance tasks. Add a range of aftermarket solutions and the result is optimum machine availability.

Ease of serviceability

Ease of access not only optimizes safety, but it also maximizes machine uptime. All service points are strategically grouped and within reach from the ground and service platform. To simplify mechanical servicing, the hauler features common-sized bearings and direct bolt-on wheel rim connections. Inside the cab, access top-level diagnostic data using the operator-friendly dashboard for fast analysis and solutions.



Durable by design

Built to last, the R100 is durable by design. The high strength, flexible chassis structure and responsive MacPherson strut with lower wishbone connection absorb potentially damaging shocks and vibrations that can occur when operating. Regardless of environmental conditions, you can depend on the hydraulics to remain clean and protected against contamination for optimum machine availability.

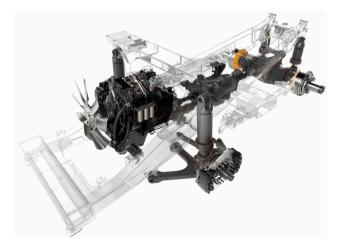
Machine monitoring made easy

Maximize machine uptime and reduce repair costs with CareTrack – the optional telematics connection enables to remotely monitor the health of your fleet. CareTrack is part of an extensive portfolio of Uptime Services, including maintenance and repair agreements, and extended warranties.



Robust protection

Working in challenging conditions means every component must be protected. With the Volvo R100, you can rely on a strong design and excellent build quality. Ensure long component lifecycle and machine uptime thanks to the latest generation transmission control system, neutral coast inhibitor and overspeed protection features.





Operator's choice

Not only a highly efficient machine, the R100 also brings operator productivity to the fore – starting with comfort and control. Offering 360° visibility, responsive steering, ergonomic controls, low noise and solid stability, the Volvo cab is as good as it gets.

Every angle in view

Take on the tough stuff from the comfort of the industry-leading cab, boasting an impressive 360° bird's eye view of the work zone thanks to Volvo Smart View. The operator seat is located to the left side of the cab, enabling you to observe all surrounding areas. Forward visibility is enhanced thanks to the large windscreen, offering excellent line of sight.



Comfortably productive

Get comfortable with doing more in the pressurized Volvo cab, offering all-around visibility, climate control, and ample storage and legroom. From the adjustable operator seat, easily access displays and responsive fingertip controls, ergonomically positioned to keep the focus on the operation.



Tailor-made to meet your needs

Customize your comfort for increased productivity throughout the working day. The Volvo air suspension operator seat and tiltable, telescopic steering wheel can be fully adjusted to match your preferred operating position. With the standard Bluetooth enabled audio system, you can stay connected.



Low noise, high comfort

Stay focused in the Volvo cab, offering remarkably low noise levels. Built-in sound insulation eliminates distracting noises, while the viscous isolated mounted cab and hydraulic suspension system minimizes ground vibrations and surrounding job site noise. Because a happy, comfortable operator enhances overall productivity and performance.





SMOOTH Operation

Enjoy superior ride quality and comfort in the robust R100, equipped with responsive MacPherson strut with lower wishbone connection and viscous-mounted cab for minimal ground impact and vibrations. The responsive, low-effort steering system and geometry, combined with the suspension, optimizes maneuverability by minimizing lean on tight corners. With the R100, heavy-duty hauling has never felt so easy.

Haul it all

OPERATORS CHOICE

- Volvo Smart View: 360° visibility
 Air-suspended seat positioned for optimum visibility
- Ergonomic displays and fingertip controls
- Extensive space and storage capacity
- Responsive, low-effort steering, multiadjustable steering wheel
- Low noise and vibration levels

SAFETY AT THE CENTER

- ROPS/FOPS-certified cab
- Anti-slip steps, secure walkways
- Rock solid stability
- Selectable transmission retarder, Automatic brake retarder

80

- Fail-safe braking and secondary steering systems
- Neutral coast inhibitor, Transmission overspeed protection

DRIVE YOUR COSTS DOWN

- 1000hr service intervals
- Long component lifecycles: low center of gravity, even weight distribution
- Volvo Dynamic Shift: fully automatic adaptive transmission gearshifting
- Selectable Eco shifting, Auto-idle engine shutdown
- Volvo Site Simulation

R100

VOLVO

ACCESS MORE UPTIME

- Robust and reliable machine
- Designed for quick and safe access
- Grouped service points, accessible from the ground and service platform
- Common-sized bearings
- Direct bolt-on wheel rim connections
- CareTrack telematics system (option)

MOVE MORE, EARN MORE

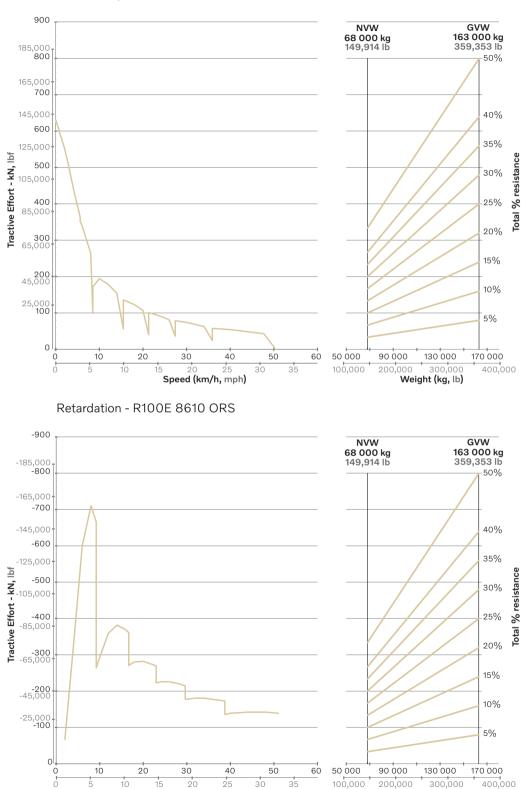
- 95-tonne payload
- Fast body-tipping system
- Class-leading rimpull
- Powerful Volvo engine: high torque at low rpm
- On-Board Weighing system (option)

Volvo R100 in detail

Engine		
Model		Cummins QST30 aftercooled Stage V / Tier 4f, 783KW
Туре		Charge air cooled to change to aftercooled
		2 X High speed electronic control modules
Cylinder/configuration		12 / V-Configuration
Displacement	l (in³)	30.5 (1,861)
Bore x Stroke	mm (in)	140 x 165 (5.51 x 6.5)
Max. power at	r/min (r/s)	2,100 (35)
Gross power (SAE J1995)	kW (hp)	783 (1,050)
Net power	kW (hp)	726 (974)
Max. torque at	r/min (r/s)	1,300 (21.7)
Gross torque	Nm (ft lbf)	4,629 (3,414)
Engine emissions		Meets EPA / CARB 40 CFR1039 and CARB 40 CFR1068 non road machinery directive Tier 4f (EU) 2016/1628 Stage V
Electrical		40 Amp alternator
Altitude - electronic derate	m (ft)	2,750 (9,022)
teering System		23.00 (03022)
pump. The accumulator circuit valve delivers light, responsive Secondary steering is provided navigation of the truck in the ev if there is a failure of engine, tra	provides instant, steering control. I by an independe vent of a primary	,
Maximum tire steering angle	0	39
SAE turning radius	mm (ft in)	11,496 (37'9")
Clearing radius	mm (ft in)	13,062 (42'10")
xles		
		uction drive axle. Torque multiplication takes place through the bevel gear differential, then transmitted action gears in the wheel hubs where final torque multiplications takes place.
Differential ratio		2.16 : 1
Planetary reduction		13.75 : 1
,		
Overall drivetrain reduction		29.7 : 1
Optional		
Differential ratio		Traction Bias Differential
Planetary reduction		e automatic spin reducing function is provided by means of a multi-plate friction clutch mounted to one sid of the gears in the differential assembly. he 2 side (pinion) gears have a friction link (bias torque) between them which reduces the risk of one whee spinning freely should the truck encounter slippery or loose ground surface conditions.
rame		
The closed 'horse collar' allows	s for flexibility in th esses imposed by	-strength steel castings in key stress locations absorbing the worksite impacts for long durable lifecycles. he frame to dissipate twists and loads while incorporating a reserve of structural strength well in excess of high impact loading and when travelling on uneven, high rolling resistance applications. the frame.
Body		
		(Double V-type body) that provides excellent center of gravity for load profile stability on all hauling conditions. sistant steel (Hardox 400) for superior lifecycle.
Horizontal side stiffeners dissip	minimal structura a	I stress during empty and full transportation.
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 Nj Plate thickness	minimal structura a /mm2	I stress during empty and full transportation.
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N, Plate thickness Floor	minimal structura a /mm2 mm (in)	I stress during empty and full transportation. 20 (0.79)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N, Plate thickness Floor Sides	minimal structura a /mm2 mm (in) mm (in)	I stress during empty and full transportation. 20 (0.79) 10 (0.39)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N, Plate thickness Floor Sides Front	minimal structura a /mm2 mm (in)	I stress during empty and full transportation. 20 (0.79)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N Plate thickness Floor Sides Front Body volume	minimal structura a /mm2 mm (in) mm (in) mm (in)	20 (0.79) 10 (0.39) 10 (0.39)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N Plate thickness Floor Sides Front Body volume Stuck	minimal structura a /mm2 mm (in) mm (in) m ³ (yd ³)	20 (0.79) 10 (0.39) 10 (0.39) 41.1 (53.8)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N Plate thickness Floor Sides Front Body volume Stuck Heaped 2:1 (SAE)	minimal structura a /mm2 mm (in) mm (in) mm (in)	20 (0.79) 10 (0.39) 10 (0.39)
Horizontal side stiffeners dissig Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N Plate thickness Floor Sides Front Body volume Stuck Heaped 2:1 (SAE) irres and Rims	minimal structura a /mm2 mm (in) mm (in) m ³ (yd ³)	20 (0.79) 10 (0.39) 10 (0.39) 10 (0.39) 41.1 (53.8) 60.4 (79)
Horizontal side stiffeners dissip Mounted on 'floating' pins for r NB. Hardox 400 Specification Body steel 360-440 BHN Body, yield strength 1000 MPa Body, tensile strength 1,250 N	minimal structura a /mm2 mm (in) mm (in) m ³ (yd ³)	20 (0.79) 10 (0.39) 10 (0.39) 41.1 (53.8)

Drivetrain		
Transmission		Allison H8610 ORS
Assembly		Planetary gear type transmission with integral torque converter and hydraulic fluid retarder. Electronically controlled connected to engine system via CANBUS. Automatic lock up in all speed ranges.
Electron de la contra l		Mounted mid-chassis for ease of access and excellent machine weight distribution.
Electronic control		CEC5
Maximum speed, forward/rev		
1st gear	km/h (mi/h)	9 / 6 (5.6 / 3.7)
2nd gear	km/h (mi/h)	16 (9.9)
3rd gear	km/h (mi/h)	22 (13.7)
4th gear	km/h (mi/h)	28 (17.4)
5th gear 6th gear	km/h (mi/h) km/h (mi/h)	37 (23) 50 (31.1)
Suspension		50 (51.1)
Front: Independent self contair	neuverability. R	
Maximum front strut stroke	mm (in)	244.6 (9.6)
Maximum rear strut stroke	mm (in)	165.1 (6.5)
Maximum rear axle oscillaton	0	
Brake system		
Fulfills ISO 3450 : 2011 for off	-road machine	
Front brakes type		Independent hydraulic apply, dry disc single caliper. Incorporating independent nitrogen / hydraulic pressur accumulator for instant braking response and reserve pressure.
Front brake diameter	mm(in)	965 (38)
Front brakes lining area	cm² (in²)	2,015 (312)
Rear brakes type		Independent force cooled, oil immersed, multi-disc enclosed brakes. Twin piston, service and park /emergen brake. Emergency brake spring apply / hydraulic release (SAHR Brake). Service piston is used for rear brak retardation for safe machine control.
Rear brake lining area	cm² (in²)	87,567 (13,573)
loist		
Hydraulic system conforms to I	ISO 4406	
System relief pressure	MPa (psi)	190 (27,557)
Pump output flow rate	l/min (gal/ min)	554 (146)
at	r/min (r/s)	2,100 (35)
Body raise time	S	11
Body lower time	S	13
ervice Refill		
Engine crankcase and filters	l (gal)	132 (34.9)
Transmission and filters	l (gal)	91 (24)
Cooling system	l (gal)	344 (90.8)
Fuel tank	l (gal)	1,180 (311)
DEF/AdBlue [®] tank	l (gal)	98 (25.9)
Steering hydraulic system (total)		61 (16.1)
Body hydraulic tank	l (gal)	420 (111)
Planetaries (total)	l (gal)	78 (20.6)
Differential	l (gal)	95 (25.1)
Front ride strut (each)	l (gal)	34 (9) 26 6 (0.7)
Rear ride strut (each) Power take off	l (gal)	36.6 (9.7)
	l (gal)	4 (1.06)
Veights Chassis with hoists	kg (lb)	55,080 (121,430)
Body standard		16,200 (121,430) 16,200 (35,715)
Net weight	kg (lb) kg (lb)	71,280 (157,145)
Maximum payload	kg (lb) kg (lb)	95,000 (209,439)
Maximum gross weight*	kg (lb) kg (lb)	166,280 (366,584)
Weight distribution (axles)		FRT / REAR
- Empty	%	48/52
- Loaded	%	33 / 67
- Loaded Target gross vehicle weight with		
Sound Level		on contraine tel got payroudi
Sound level in cab according to	0 150 6396/5	AF J2105
L _{pA}	dB	78
	u D	
External sound level according	to ISO 6395/	'SAE J2104

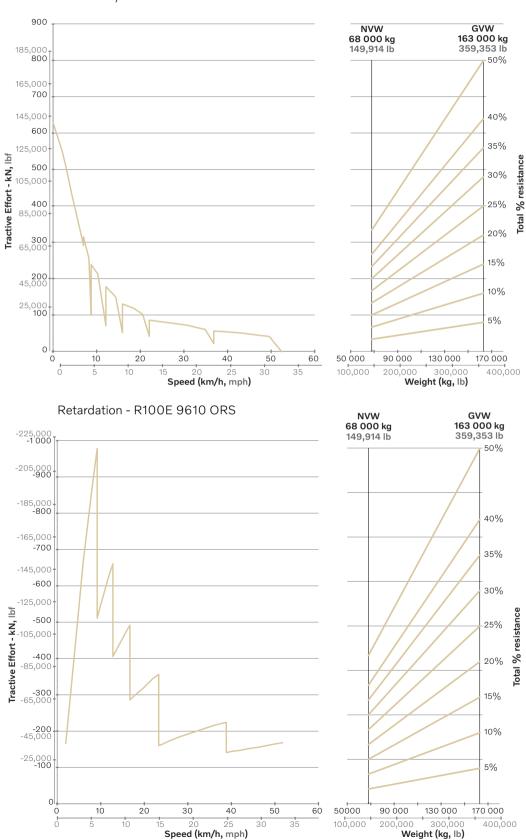
Specifications



Speed (km/h, mph)

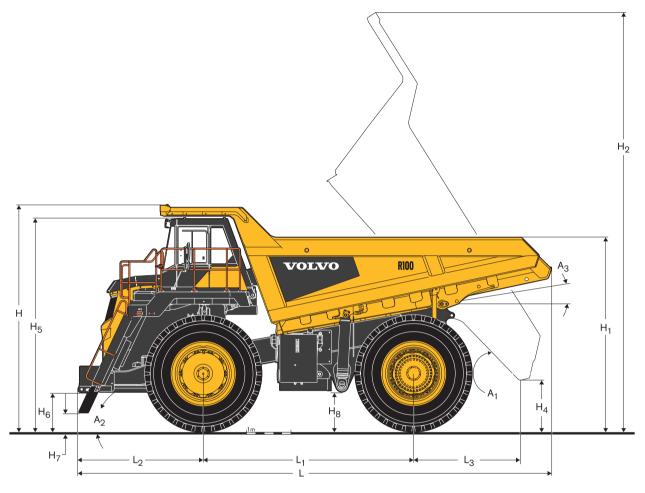
Weight (kg, lb)

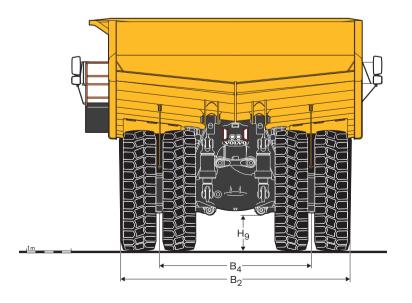
Gradeability - R100E 8610 ORS

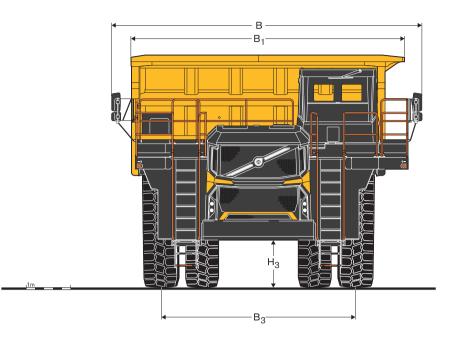


Gradeability - R100E 9610 ORS

Specifications







DIMENSIONS					
Description		Unit			
Н	Overall height	mm	ft in	5,070	16'8"
H1	Loading height	mm	ft in	4,380	14'4"
H ₂	Raise height	mm	ft in	9,576	31'5"
H₃	Front axle ground clerance	mm	ft in	675	2'3"
H ₄	Tail clearance	mm	ft in	1,042	3'5"
H ₅	Cab height	mm	ft in	4,825	15'10"
H ₆	Bumper ground clearance (no TH)	mm	ft in	956 (785 to tow hook)	3'2" (2'7" to tow hook)
H ₇	Ladder ground clearance	mm	ft in	598	1'12"
H ₈	Frame ground clearance	mm	ft in	806	2'8"
H ₉	Rear axle ground clearance	mm	ft in	785	2'7"
В	Overall width	mm	ft in	6,986	22'11"
B1	Body width	mm	ft in	5,706 (Not including cab guard)	18'9" (Not including cab guard)
B ₂	Rear over tires	mm	ft in	5,042 (5,147 at SLW)	16'7" (16'11" at SLW)
B₃	Front track	mm	ft in	4,403	14'5"
B4	Rear track	mm	ft in	3,420	11'3"
L	Overall length	mm	ft in	10,922	35'10"
L ₁	Wheel base	mm	ft in	4,850	15'11"
L ₂	Center front axle to bumper	mm	ft in	2,890	9'6"
L3	Center rear axle to tipped tail	mm	ft in	2,440	8'0"
SAEtr	SAE turning radius	mm	ft in	11,494	37'9"
Ctr	Clearance turning radius	mm	ft in	13,062.4	42'10"
A ₁	Body dump angle	o		47	
A ₂	Approach angle	0		22.5 (19 to tow hooks)	
A ₃	Frame angle		0	1	0
C1	C of G (horizontal) unladen	mm	ft in	2,298	7'6"
C ₂	C of G (vertical) unladen	mm	ft in	764	2'6''
C ₁	C of G (horizontal) laden	mm	ft in	1,611	5'3"
C ₂	C of G (verical) laden	mm	ft in	1,952	6'5''

Vehicle measurements assumptions / variables

Measurements to be taken on flat ground Truck should be unladen Bridgestone VRLS Tires should be used Tire pressure should be set as per manual Suspension should be set at normal operating height

Equipment

STANDARD EQUIPMENT	STANDARD EQUIPMENT
Engine	Safety
Air cleaner with aspirator (vacuum)	Anti-slip steps and platforms
Turbocharged and aftercooled	Body down indicator
Direct drive fan	Body - operator guard LHS
Electronically controlled with Shift Energy Management (SEM)	Body - up locking pins
Engine safe mode	Body - up reverse to neutral inhibitor
Fuel filter/water separator	Body - up shift inhibitor
Pre-lube system	Brakes - independant front and rear systems
Sump guard	Secondary brake foot pedal
Engine enclosures (rubber)	Emergency SAHR brake
Drivetrain	Battery disconnect switch (tag lock out)
Full automatic transmission with manual override	Engine diconnect switch (Tag lock out)
Shift Energy Management	Emergency engine shutdown (ground level)
Torque converter with automatic lockup	Cab - ROPS and FOPS
Volvo Dynamic Shift	Electro magnetic compatibility
Double reduction planetaries for increased rimpull	Handrails on steps and platform
Electrical System	Horn
Alternator	Neutral start inhibitor
Batteries	Engine overspeed protection
Battery disconnect switch (tag lock out)	Neutral coast inhibit
Engine disconnect switch (tag lock out)	Programmable max. travel speed
Emergency engine shutdown (ground level)	Operator safety belt
Direction indicators and hazard warning	Operator's field of view
Lights - side, tail, stop and headlights	Rear view mirrors
LED tail lamps	Retarder - transmission
Power ports - 12V and 24V	Retarder - rear brake
Reverse alarm	Secondary steering
Reverse lights	Instructor's seat with safety belt
Brake system	Vibration 2002/44/EC
Hydraulically operated system with independent front and rear control systems	Windscreen washers
Park brake - electric switch, spring applied hydraulic release	Windscreen wipers
Secondary brake - pedal controlled, modulates rear park brake piston	Comfort
Retardation - finger tip control of transmission retarder or lever mounted	Air suspended seat
on the steering column giving modulated pressure control of the rear oil cooled brakes	Heating, Ventilation and Air Conditioning - HVAC
Body	Interior lights
Rock ejectors	Radio - Bluetooth
	USB power take-off

Cup holder

Sun visor

Exterior Mud flaps Diagnostic terminal Front and rear tow points Service and maintenance Pressure check points

Tires

Tinted glass

Insulation thermal and acoustic Storage compartments

Tilt/telescopic steering wheel

Operator information interface

Standard Bridgestone tires

MacPherson type front suspension with lower wishbone

OPTIONAL EQUIPMENT	OPTIONAL EQUIPMENT
Engine	Tires
Fast fuel	Bridgestone standard supply
Clutch engine fan	VRLS
Drivetrain	VMTS
Traction bias differential	Michelin tires
Inline fuel heater	XDR2-B
9000 series transmission	XDT-A4
Transmission sump guard	XKD1A
Electrical System	XDRA
Heated and adjustable electrical mirrors	TPMS Tyre pressure monitoring system
Remote jump start points	Manual body down
Working light kit	High Idle
LED headlamps	360 degree Camera system
Cab	50% front brake
Cab heater (-40°C)	
Body	
Onboard Weighing System	
Body Exhaust Heating	
Body Extensions upon request	
Body liner plates (available with full weight or half weight)	
Safety	
Volvo Smart View	
Fire suppression system	
Orange flashing beacon	
Service and maintenance	
Quick oil drain kit	
-40°C Arctic Kit	
Central (Beka) autolube	

Service light kit



Volvo Construction Equipment