

Volvo Construction Equipment
Building Tomorrow



WHEEL LOADERS IN LOG HANDLING

L60H, L70H, L90H, L110H, L120H, L150H, L180H, L180H High-Lift, L220H, L350H



A large wind turbine stands in a field of rolling hills under a warm, orange-hued sunset sky. The turbine's blades are visible, and its shadow is cast across the landscape. The overall scene conveys a sense of clean energy and sustainable progress.

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.

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

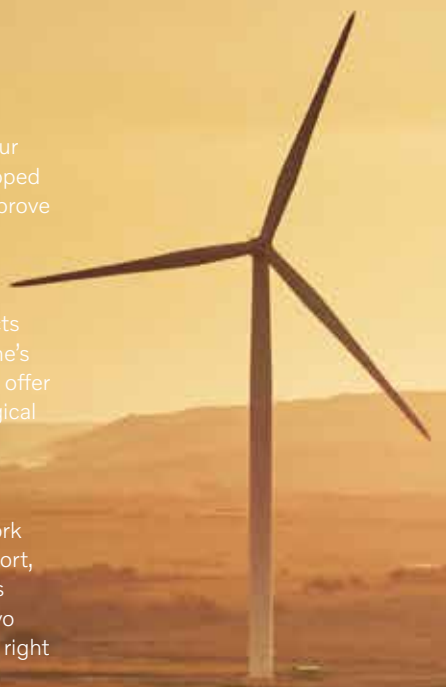
Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

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



The perfect package

Built for the job

Specialized tasks require specialized equipment, which is why Volvo offers wheel loaders configured to meet the unique requirements of a wide range of applications. Our application specific wheel loaders are designed and built to ensure you achieve superior results according to the unique demands of the segment you are working in.

The right machine options, tires and attachments all combine to ensure our specially adapted wheel loaders deliver maximum safety and performance. As with all Volvo products you can trust in the full support and back-up of your Volvo dealer, and aftermarket Volvo solutions, for the lifetime of your machine.



King of the timber yard

Introducing Volvo log loaders

Drawing on more than six decades of experience in building machines and attachments for the forestry industry, we present our line-up of Volvo Wheel Loaders, tailor made to cope with the intense demands of logging applications.

With the log handling package the proven Volvo Wheel Loaders are configured to boost the capacity for lifting and carrying heavy timber loads, and provide the durability needed to take on tough working environments and round-the-clock shifts.

Rise to the challenge

Make easy work of daily challenges such as working in confined spaces, reaching high log stacks and tackling adverse terrain, thanks to the purpose-made Volvo log loader. Adapted to thrive in forestry environments, these machines deliver the performance and reliability needed to get the job done.

Ultimate performance

Volvo log loaders are built to perform. The even weight distribution, logging counterweight and low ground pressure from wide low profile tires provide outstanding stability, traction and tipping load. This is supported by the Torque Parallel linkage system (L60H-L220H), first introduced to the market by Volvo, which secures parallel movement and optimizes lifting, breakout and roll-out forces in top position, helping to stack heavy loads at high heights. On the L350H, the Z-bar lifting arm enables to efficiently handle loads weighing up to 23 tonnes.



Agile and efficient

Shorten cycle times with the Volvo log loader. Highly maneuverable, the wheeled machine features a short overhang, making it the perfect machine to quickly and easily negotiate timber yards and confined areas. Faster operation and improved fuel efficiency are enhanced even further with technologies such as OptiShift and lock-up transmission.



Operator's choice

Designed to keep operators comfortable, Volvo log loaders provide excellent visibility, with optional light packages also available for low light working conditions. The Boom Suspensions System reduces bouncing when travelling at high speed and the high-quality hydraulic system gives operators the control and responsiveness needed to perform at their best.



Mix and match

Whether you need to work with a log grapple or bucket, you can change between attachments on-the-go in seconds with the Volvo Attachment bracket.



Simple servicing

Benefit from industry-renowned levels of Volvo uptime with quick and easy servicing, including electronically operated engine hood, slidable cooling installation and auto-lubrication system. For quick and easy access to essential maintenance points, the Volvo cab can be tilted to either a 30° or 70° angle.

Some features are not available on all models.



L180H High-Lift

A proven concept since 1974

3 meter-long reach arm, enabling
to log stacks up to 6 meters

Up to 8.8 tonne workload

Built-in windshield guards

Boom Suspension
System

Wheel loader base:
agile and efficient

Lube system

Log pusher: up to 30%
higher stack (option)



Range of log grapples,
including 360° rotator unit

Electronically operated
engine hood

Tilttable cab

OptiShift

Rear-view camera

Short overhang

Logging
counterweight



“ ”

*"I use the wheel loader to remove sorted timber from the sorting line.
From the controls to the hydraulics, the Volvo Wheel Loader is an excellent machine, easy-to-use and convenient."
Vladimir Golubev, Wheel loader operator at MALINOVSKIY SAWMILL (Russia)*

L60H to L220H

Windshield guard
(option)

Excellent rollback
angle

Torque Parallel linkage

Boom Suspension
System

Volvo Attachment bracket

Third hydraulic
function



**Roll Over Protection
System (ROPS)**

Tiltable cab

**Fire Suppression
System (option)**

**Electronically operated
engine hood**

Grill guard (option)

Short overhang

**Logging
counterweight**

**OptiShift
(L110H-L220H)**

**Low profile 65 series
tires (option)**



L350H

Roll Over Protection
System (ROPS)

Log handler
lift cylinders

Z-bar linkage

Up to 23 tonne workload



Boom Suspension
System

Third hydraulic
function

**Comfort Drive
Control**

**Remote-control
door opener**

**Surrounding
walkways**

Short overhang

**Heavy-duty
logging
counterweight**

**Powerful D16 engine, with
optional auto shut down**

**Heavy-duty rims
and 65 series tires**



Optimize performance

Only by using Volvo Attachments can you be sure of optimum performance from your Volvo Wheel Loader in terms of fuel efficiency, lifting force and break-out forces. We offer a full attachment range engineered to deliver outstanding durability in logging applications.

More information can be found in the Attachments brochure, or in the Attachments selector tool, available for IOS on App store, for Android on Play Store and China Android Store.

Log grapples



High-lift log grapples (L180H High-Lift)



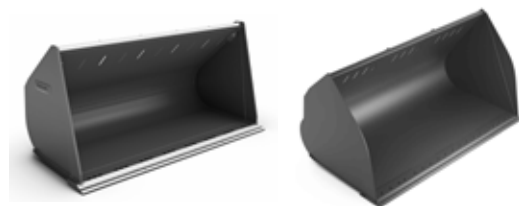
Log pusher



Forks



Light Material buckets



High-Tip buckets



Attachment bracket



“ ”

"Volvo, with its special attachments for wood handling, has the upper hand over other manufacturers.

If we could choose only one brand it would be Volvo."

Hans Weinzierl Junior, Managing Director at HOLZWERKE WEINZIERL (Germany)

Configured for success

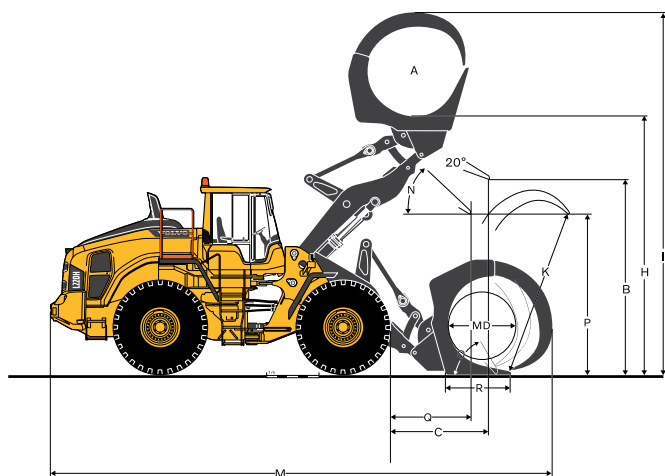
Benefit from all the features and functions found on a standard Volvo Wheel Loader, combined with the specialist equipment needed to succeed in logging. In addition to the log handling package, there are a number of other options we can offer to help you succeed in this application.

- Included in the Log handling package
- * Included in standard machine configuration
- o Optional equipment

	VOLVO LOG LOADERS									
	L60H	L70H	L90H	L110H	L120H	L150H	L180H	L180H High-Lift	L220H	L350H
Attachment bracket	•	•	•	•	•	•	•		•	•
Boom Suspension System (BSS)	•	•	•	•	•	•	•	•*	•	•
Logging counterweight	•	•	•	•	•	•	•	•*	•	•
Log handler lift cylinders										•
Third hydraulic function	•	•	•	•	•	•	•		•	•
Fourth hydraulic function	o	o	o	o	o	o	o		o	o
Comfort Drive Control (CDC)	o	o	o	o	o	o	o	o	o	•*
Log pusher							o	o	o	
Rear-view camera	o	o	o	o	o	o	o	o	o	o
Front-view camera	o	o	o	o	o	o	o		o	o
Radar detect system	o	o	o	o	o	o	o	o	o	o
Factory fit Fire suppression system	o	o	o	o	o	o	o	o	o	o
Lube system	o	o	o	o	o	o	o	•*	o	o
Reversible fan	o	o	o	o	o	o	o		o	o
Reversible cooling fan and axle oil cooler		o	o	o	o	o	o	o	o	
Front belly guard	o	o	o	o	o	o	o	o	o	o
Rear belly guard	o	o	o	o	o	o	o	o	o	o
Headlight guards	o	o	o	o	o	o	o	o	o	o
Radiator grille guard	o	o	o	o	o	o	o	o	o	o
Tail light guards	o	o	o	o	o	o	o	o	o	o
Windshield guards	o	o	o	o	o	o	o	•*	o	o
Side and rear window guards	o	o	o	o	o	o	o	o	o	o
LED work lights packages	o	o	o	o	o	o	o	o	o	o
Contact your Volvo dealer for more information	o	o	o	o	o	o	o	o	o	o
Engine air pre-cleaner, cyclone type	o	o	o	o	o	o	o	o	o	o
Engine air pre-cleaner, turbo II type	o	o	o	o	o	o	o	o	o	o
OptiShift				o	o	•*	•*	•*	•*	
Includes Lock-Up and Reverse by Braking										
Lock-up	o	o	o							•*
Liquid in rear tires								•*		
Liquid in front tires								o		

Depending on the country, some optional equipment listed above may be included in the standard machine configuration.

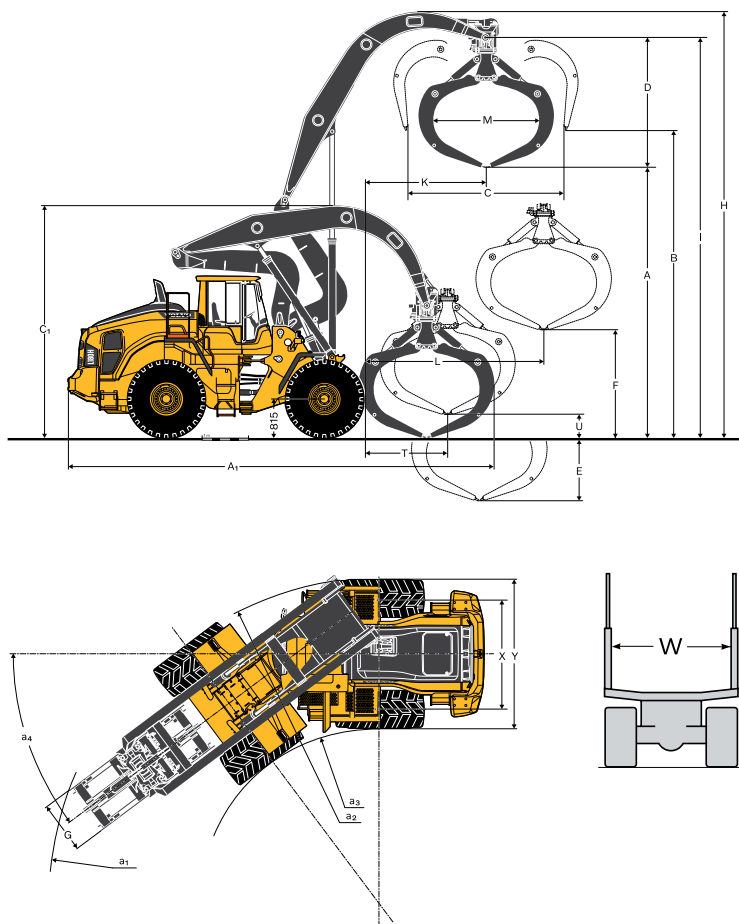
Specifications



Model		L60H*	L70H*	L90H*	L110H*	L120H*	L150H*	L180H*	L220H*	L350H*
Low profile tires		600/65R25	650/65R25	750/65R25	775/65R29	875/65R29	875/65R33			
Attachment		Attachment Bracket + Sorting Grapple								Pin On Grapple
A	m ²	1.3	1.5	1.8	2.4	2.4	3.1	3.7	4	5.95
B	mm	3 380	3 350	3 510	3 470	3 550	3 660	3 760	3 930	3 950
C	mm	1 510	1 620	1 540	1 850	1 890	2 110	2 260	2 260	3 090
H	mm	4 300	4 350	4 590	4 580	4 660	4 990	5 170	5 360	5 510
I	mm	5 850	6 000	6 380	6 620	6 690	7 270	7 670	7 740	8 630
K	mm	2 080	2 370	2 630	2 990	2 990	3 340	3 650	3 940	4 420
M	mm	7 890	8 020	8 240	8 840	8 930	9 670	10 020	10 380	12 300
MD	mm	1 000	1 050	1 060	1 200	1 200	1 350	1 470	1 480	2 390
N	deg	61	61	60	66	65	58	56	54	34
O	deg	97	84	81	76	78	70	70	68	43
P	mm	2 680	2 610	2 710	2 500	2 580	2 700	2 750	2 960	3 420
Q	mm	920	980	870	980	1 020	1 320	1 460	1 510	2 740
R	mm	870	910	1 020	1 180	1 180	1 350	1 470	1 480	2 280
Grapple width	mm	1 600	1 600	1 630	1 630	1 630	1 800	1 830	1 830	2 750
Static tipping load, straight	kg	5 890	6 510	8 060	9 210	10 060	12 420	14 250	15 100	33 400
at 35° Turn	kg	5 210	5 760	7 080	8 110	8 850	11 030	12 560	13 300	29 400
at full turn	kg	5 010	5 540	6 790	7 790	8 500	10 870	12 370	13 090	28 940
Operating weight	kg	12 390	14 180	16 520	20 000	20 740	26 520	29 760	33 300	59 220

* Measured with additional logging counterweight

		L60H	L70H	L90H	L110H	L120H	L150H	L180H	L220H	L350H
Tires		20.5R25			23.5R25		26.5R25		29.5R25	875/65R33
B	mm	31	31	5	16	6	-10	10	-23	-
C	mm	-29	-29	5	-10	-10	9	-15	23	-
H	mm	31	31	4	16	6	-10	10	-23	-
I	mm	31	31	4	16	6	-10	10	-23	-
P	mm	31	31	4	16	6	-10	10	-23	-
Q	mm	-29	-29	5	-10	-10	9	-15	23	-
Static tipping load, straight	kg	5	-1	-248	-222	-264	-330	-404	-433	-
at 35° Turn	kg	8	3	-221	-194	-244	-301	-378	-400	-
at full turn	kg	9	4	-213	-186	-239	-298	-375	-396	-
Operating weight	kg	-24	-24	-560	-568	-568	-676	-772	-944	-



Model : L180H High-lift

Tires: 775/65 R29*

Attachment: Rotating grapple, 360°, 3.2 m², 82127

A ₁	Grapple positioned lengthwise	mm	9 600
	– with log pusher	mm	9 916
A ₂	Grapple tilted forward	mm	10 590
C ₁	Grapple positioned lengthwise	mm	5 160
C ₂	Grapple tilted forward	mm	4 760
H		mm	9 132
I		mm	8 930
K		mm	2 760
L		mm	3 990
T		mm	1 885
U		mm	490
X		mm	2 280
Y		mm	3 080
a ₁		mm	7 630
a ₂		mm	6 840
a ₃		mm	3 830
a ₄		°	± 37

Note: When loading a vehicle, the log grapple's width (M-measure) should be 150 mm narrower compared to the distance between the "stakes" (W) on the vehicle.

		Timber Length 5.0 m		Timber Length 4.0 m	Pulpwood Length 4.0 m	
Tires 775/65 R29*						
Grapple area	m²	3.2	3.2	3.5	3.8	3.8
Grapple weight	kg	1 880	2 050/1 960	2 150	2 020/1 940	2 210
Working load	kg	8 800	8 600/8 700	8 500	8 600/8 700	8 500
A	mm	5 800	5 800	5 700	5 350	5 350
B	mm	6 700	6 700	6 600	6 450	6 450
C	mm	3 630	3 630	3 750	4 500	4 500
D	mm	2 900	2 900	2 850	3 350	3 200
E	mm	1 330	1 330	1 430	1 780	1 780
F	mm	2 255	2 255	2 150	1 800	1 800
G	mm	1 100	1 100/900	11	1 100/900	900
M	mm	2 400	2 400	2 550	2 350	2 350
Operating weight*	kg	34 935	35 105/35 015	35 205	35 075/34 995	35 265
Shortwood (pulpwood)					x	x
Timber		x	x	x		
Terminal handling		x	x	x	x	x
Unloading/loading of vehicles		x	x	x	x/x	x/x
Unloading against wall					x	x
With hydraulic clamping arms			x	x		x
With triplex chain		x			x	
Order no.		91 852	82 127/82 126	82 128	94 463/93 607	82 129

* Including liquid in rear tires.

Optional liquid in front tires increases operating weight by 1 830 kg. Log pusher (order no. 84181) increases operating weight by 800 kg. Radiator grille guard (WL86023) increases operating weight by 140 kg. Fire suppression system increases operating weight by 85 kg.

More than machines

Engineering machines which deliver outstanding results is just the start of how we can support your operation. As your partner we are here to help with every aspect of your Volvo machinery: how you use it, maintain it, pay for it and even how you sell it. Our portfolio of services is designed to complement your machine's performance and boost your profitability.

Volvo Simulators

With Volvo Simulators, wheel loader operators can develop their skills without creating risk to site personnel or machinery. Operators can practice specific scenarios related to forestry applications, such as loading and unloading lumber trucks using log grapples, resulting in a safer and more productive workplace when operators get back into real-world conditions.

Volvo ACTIVE CARE

Maximize machine uptime and reduce repair costs with Volvo ACTIVE CARE. Utilizing CareTrack data, the intelligent service provides round the clock machine monitoring, as well as customer reports – to help take predictive and preventative maintenance actions.

Maintenance and repair agreements

Stay on track with planned servicing and keep your asset covered with our range of flexible maintenance and repair options.

Genuine Volvo Parts

Maintain productivity and machine uptime with our range of readily available, tested and approved parts – all backed by Volvo warranty. Only by using Genuine Volvo Parts, can you protect your investment, extend machine life and guarantee long-lasting performance.



Keep it in the family

In addition to wheel loaders, Volvo is proud to provide an extensive portfolio of solutions to the forestry industry. Throughout our machinery line-up we are committed to producing machines which deliver outstanding results in log handling applications.



VOLVO

Volvo Construction Equipment
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