

Volvo Construction Equipment
Building Tomorrow



WHEEL LOADERS IN SLAG HANDLING

L150H, L180H, L220H, L350H



The perfect package

Dealing with extremely high temperatures takes a special kind of engineering. From unique guarding to heat-resistant components, the slag handling package enables our Volvo Wheel Loaders to meet the unique challenges of this application. Speak to your Volvo dealer, who will work with you to define the best machine configuration to suit the conditions of your application.

Operator protection

Comfort and safety

**Emergency switch and
P-brake release**

Hot applications cab

- Steel roof
- Fire extinguisher
- All-around steel protection
- Rear view mirrors with long arm
- Flat, bullet proof windshield
- Cover plate

**Emergency limp
home**



Wire suspended cab ladder

**Escape ladder
(L220H - Option)**

Exclusive Volvo
cab-filtration system

Rear mounted
fire extinguisher

Fire Suppression
System (Option)

Towing device (Option)
or towing chain

Wire suspended
rear foot step



Machine protection

Performance that lasts

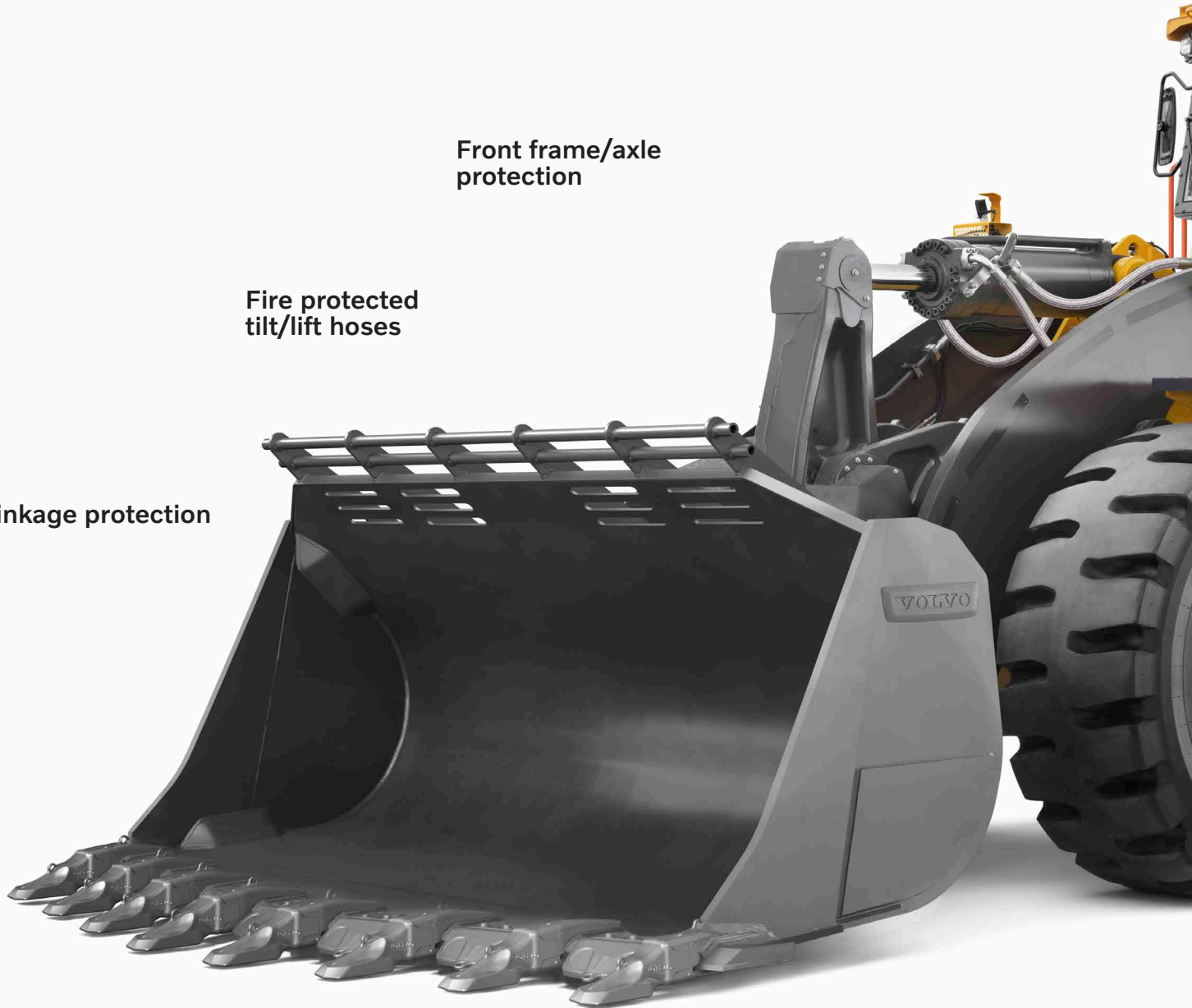
Fire resistant
center hinge

Cover plate for
pressure outlet

Front frame/axle
protection

Fire protected
tilt/lift hoses

Linkage protection



Slag bucket

Wheel/axle seal
guards

**Fire resistant
pre-cleaner**

**Center hinge and rear
frame guard**

**Reversible cooling fan
and axle oil cooler**

Radiator grill guard

**Rear inner
fender protection**

Belly guards

Fire protected mudflaps

Steel mudguards



Configured for success

Built on a proven design, Volvo slag handlers include all the features and functions found on a standard Volvo Wheel Loader, combined with the additional protection needed to succeed in slag handling environments. In addition to the slag handling package, there are a number of other options we can offer which are beneficial in this application.

- Included in the Slag handling package
- * Included in machine's standard configuration
- o Optional equipment

	VOLVO SLAG HANDLERS (BASE MOM WL10504/ HEAVY DUTY MOM WL10505)			
	L150H	L180H	L220H	L350H
Cab				
Steel cab roof	•	•	•	•
Fire extinguisher	•	•	•	•
Outside steel protection	•	•	•	•
Rearview mirrors with long arm	•	•	•	•
Reinforced flat windshield	•	•	•	•
Under cab cover plate	•	•	•	•
Rear view camera, including color monitor	o	o	o	
Reverse warning light, strobe lighting	o	o	o	
Air pre-cleaner, cyclone type	o	o	o	o
Engine				
Fire resistant oil bath pre-cleaner	•	•	•	o
Reversible cooling fan and axle oil cooler	•	•	•	•
Radiator grille guard	•	•	•	•
Fire resistant fuel hoses	o	o	o	o
Extra fuel filter for slag	o	o	o	o
Electrical systems				
Emergency switch, engine/P-brake release	•	•	•	•
Emergency limp home gear	•	•	•	•
Frame				
Protection under front frame	•	•	•	•
Heavy-duty front frame cover plate	•	•	•	•
Center hinge and rear frame guard	•	•	•	•
Belly guards (front/rear/rear oil pan)	•	•	•	•
Hydraulic systems				
Fire protected, tilt/lift hoses	•	•	•	•
Fire resistant hydraulic fluid	o	o	o	o
Exterior				
Cab ladder, with wire suspended foot step	•	•	•	•
Escape ladder on left fender			o	
Fire resistant center hinge	•	•	•	•
Cover plates, front frame/front axle/for pressure outlet	•	•	•	•
Rear mounted fire extinguisher	•	•	•	•
Wire suspended rear foot step	•	•	•	•
Fire protected front and rear mudflaps	•	•	•	•
Steel mudguard widener	•	•	•	•
Steel mudguards, rear	o	o	o	•*
Rear inner fender protection	•	•	•	
Towing chain	•	•	•	•
Not compatible with Towing device				
Towing device	o	o	o	o
Not compatible with Towing chain				
Wheel/Axle seal guards	•	•	•	•
Heavy-duty taillight guards	o	o	o	o
Loader linkage				
Protection, GDF-linkage (HIJ)	•	•	•	
Protection, Z-linkage				•
Separate attachment locking, fire resistant	o	o	o	
Long boom	o	o	o	o
Service and Maintenance				
Fire resistant lube system	o	o	o	•
Lube system for standard boom	o	o	o	
Fire suppression system	o	o	o	o
Lube system for attachment bracket	o	o	o	
Refill pump to lube system	o	o	o	

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

Maximized performance

Only by using Volvo attachments can you be sure to get the most from your Volvo machine in terms of fuel efficiency and performance, and protect your investment in this tough application. Manufactured with a special focus on wear resistance, our buckets have been specially adapted to succeed in hot slag handling applications.

Slag bucket

To break up cooling top layers of slag and penetrate into the intense heat of the lower layers, you need a specialist attachment. With heavy-duty heat-treated hardened edges and ultra-thick steel plates, the slag bucket is designed to cope with heat and eliminate distortion.



Custom-Built Attachment

To ensure you have the right bucket, perfectly matched to your working conditions, we can offer Custom-Built Attachment solutions, complete with wear parts and steel optimization. Your Volvo dealer and our in-house attachment expert will work with you to define the right attachment specification for your operations.

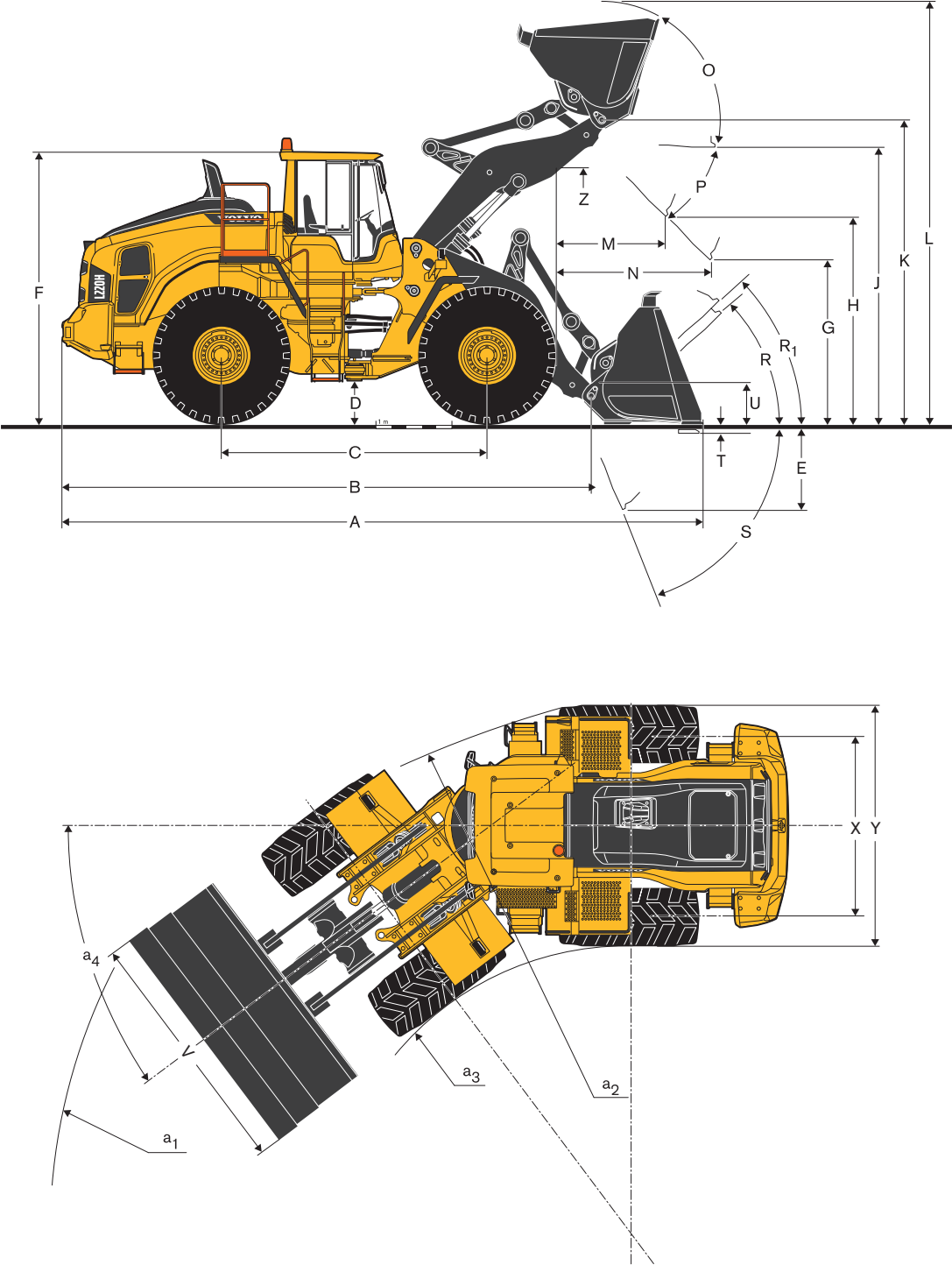
Get in touch to find out more!



"We are extremely happy with the support we received from Volvo and the custom-built bucket they developed for us. The bucket is high quality, extremely durable and bring more stability and robustness to our operation compared to other buckets we have tried."

Customer from Michigan, USA

Specifications



DIMENSIONS									
Machines		L150H		L180H		L220H		L350H	
Bucket		3.6 m³ (4.7 yd³) STE RO P T		4.2 m³ (5.5 yd³) STE RO P T		4.3 m³ (5.6 yd³) STE RO P T		6.6 m³ (8.6 yd³) STE RO P T	
Tires		26,5R25 L5				29,5R25 L5		35/65R33 L5	
Volume heaped ISO/SAE	m³/in³	3.6	4.7	4.2	5.5	4.3	5.6	6.6	8.6
Volume at 110% fill factor	m³/in³	4.0	5.2	4.6	6.0	4.7	6.1	7.3	9.5
Static tipping load, straight*	kg/lb	20,940	46,165	24,500	54,013	27,430	60,473	42,410	93,498
at 35° turn*	kg/lb	18,750	41,337	21,830	48,127	24,460	53,925	37,820	83,379
at full turn*	kg/lb	18,500	40,785	21,530	47,465	24,120	53,175	37,300	82,232
Breakout force	kN/lbf	216	48,559	249	55,977	272	61,148	499	112,180
A	mm/ft in	8,760	28'9"	9,020	29'7"	9,350	30'8"	11,130	36'6"
B	mm/ft in	7,060	23'2"	7,200	23'7"	7,490	24'7"	9,130	29'11"
C	mm/ft in	3,550	11'8"	3,550	11'8"	3,700	12'2"	4,300	14'1"
D	mm/ft in	520	1'8"	520	1'8"	560	1'10"	530	1'9"
E	mm/ft in	1,380	4'6"	1,530	5'0"	1,510	4'11"	1,730	5'8"
F	mm/ft in	3,620	11'11"	3,620	11'11"	3,760	12'4"	4,170	13'8"
G	mm/ft in	2,134	7'0"	2,134	7'0"	2,133	7'0"	2,134	7'0"
H**	mm/ft in	2,920	9'7"	2,990	9'10"	3,630	11'11"	3,670	12'0"
J	mm/ft in	3,950	13'0"	4,070	13'4"	4,240	13'11"	4,910	16'1"
K	mm/ft in	4,370	14'4"	4,510	14'10"	4,690	15'5"	5,320	17'5"
L	mm/ft in	5,890	19'4"	6,180	20'3"	6,320	20'9"	7,450	24'5"
M**	mm/ft in	1,330	4'4"	1,400	4'7"	1,900	6'3"	1,840	6'0"
N**	mm/ft in	1,860	6'1"	2,000	6'7"	2,100	6'11"	2,710	8'11"
O	°	58		57		56		60	
P _{max}	°	50		50		24		46	
R	°	44		44		43		45	
R ₁	°	47		47		46		49	
S	°	66		71		65		66	
T	mm/ft in	70	0'3"	115	0'5"	115	0'5"	140	0'6"
U	mm/ft in	520	1'8"	560	1'10"	600	1'12"	660	2'2"
V	mm/ft in	3,230	10'7"	3,230	10'7"	3,430	11'3"	3,970	13'0"
X	mm/ft in	2,280	7'6"	2,280	7'6"	2,400	7'10"	2,720	8'11"
Y	mm/ft in	2,960	9'9"	2,960	9'9"	3,170	10'5"	3,640	11'11"
Z	mm/ft in	3,540	11'7"	3,840	12'7"	4,080	13'5"	4,460	14'8"
a ₁	mm/ft in	14,980	49'2"	15,140	49'8"	15,890	52'2"	18,370	60'3"
a ₂	mm/ft in	6,790	22'3"	6,790	22'3"	7,110	23'4"	8,250	27'1"
a ₃	mm/ft in	3,820	12'6"	3,820	12'6"	3,950	13'0"	4,610	15'1"
a ₄	°	37		37		37		37	
Operating weight*	kg/lb	26,600	58,643	29,410	64,838	33,960	74,869	52,710	116,206

* Calculated with protective parts such as radiator grill guard, towing device, belly guards, etc.

** Measured to the tip of the bucket teeth. Dump height to bucket edge measured at 45° dump angle. Note: This only applies to genuine Volvo Attachments.

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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.

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.

Maintenance and repair agreements

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

Volvo Active Care Direct

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.

Financial Services

Volvo knows business finance – and our team of experts are dedicated to helping you succeed. With flexible financial and insurance solutions, we can help grow and protect your business. From a single unit to an entire fleet, new or used, we'll customize a solution to meet your needs.







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