

TOOL UP WITH VOLVO ALLROUNDERS

L50C, L70C, L90C



VOLVO

Don't choose between a bucket loader and



A Volvo Allrounder gives you both a first-rate bucket loader and a specialized materials handler.

Profitability through flexibility

Versatility, manoeuvrability, power and speed are the key factors that guarantee that our Allrounders need never stand idle. The flexibility of the L50C, L70C and L90C enable them to take on highly diverse duties on a variety of job sites.

A Volvo Allrounder is quite simply a versatile and cost-effective work implement you never have to put down.

Up to 30 percent higher torque at low engine speeds

The L50C, L70C and L90C are equipped with high-performance low-emission engines with up to 30% higher torque at low engine speeds than conventional engines. This means

greater tractive force, better penetration and quicker acceleration, resulting in shorter cycle times and higher productivity.

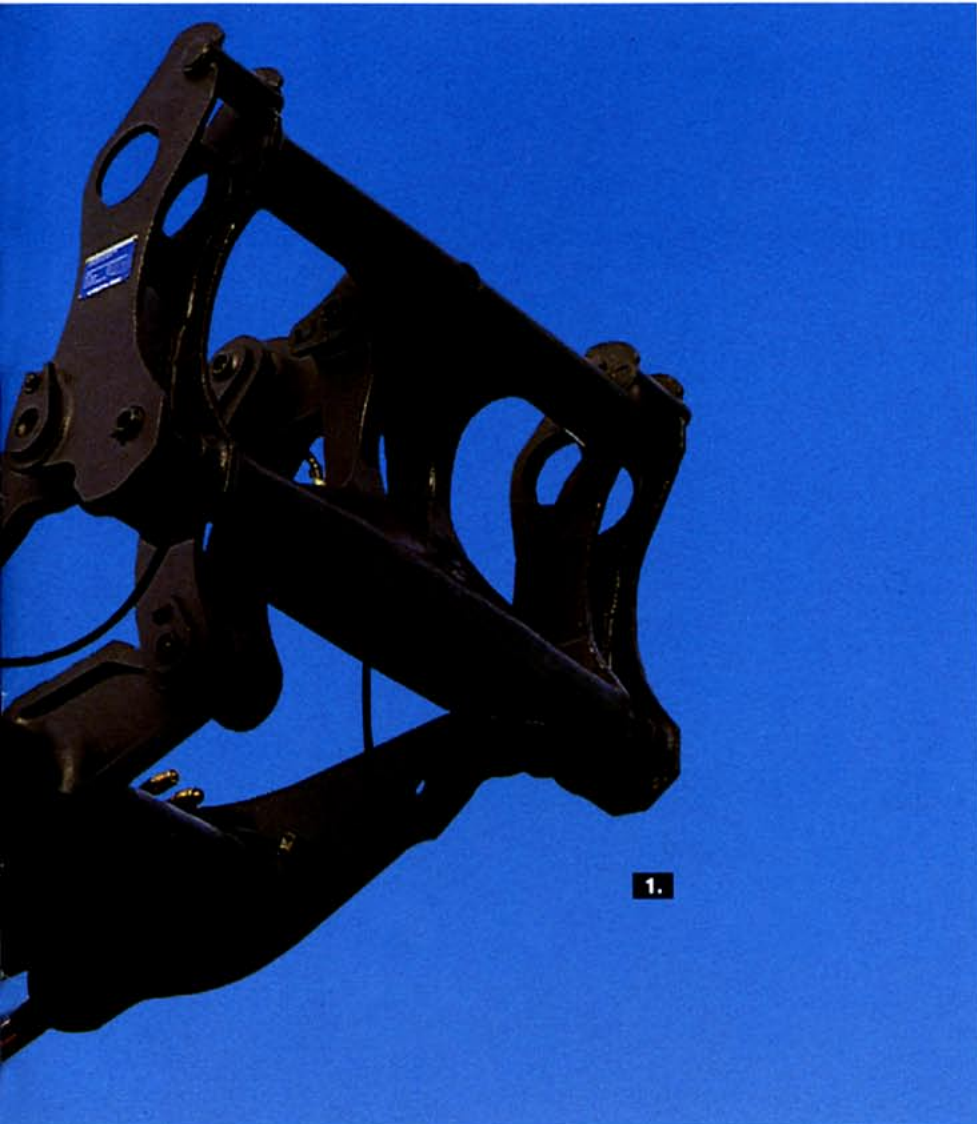
Due to the engines' good low-speed performance, the wheel loader responds immediately and vigorously to your commands. Good low-speed performance also leads to smooth, quiet operation.

The whole drivetrain consists of Volvo-developed components which are perfectly matched to give you the power you need when you need it.

When APS II does the gear changing, you can concentrate on the job

APS II is Volvo's advanced automatic gear changing system, where the operator can select the changing program according to the intensity of the work and the prevailing conditions. When APS II does the gear changing, the operator can con-

flexibility – choose a Volvo Allrounder



1.
Quick and easy attachment changes are a must

High capacity utilization in different work operations requires quick and easy attachment changes. With Volvo's improved attachment bracket you can quickly connect attachments and utilize the wheel loader efficiently in applications where special machines are otherwise usually required. The new attachment bracket is of a strong and slender construction that gives you the visibility you need to do your work safely.

2.
TP Linkage gives you perfect features for both materials handling and bucket loading

Volvo's TP Linkage lift-arm system has excellent breakout force throughout the lifting range, combined with nearly exact parallel lift-arm action. The patented lift-arm system gives you full control over attachment and load. The latest technical improvements have given the TP Linkage a solid lead over other existing level loading systems, especially when it comes to combining materials handling and bucket loader characteristics.

centrate on the important work The automatic gear changing system also reduces fuel consumption by making sure that the machine always works in the most efficient and fuel-economical gear.

Perfect visibility

Materials handling at freight terminals, building sites and industrial plants requires a good overview of both the surrounding activities and the materials being handled.

Even though the work has to be done quickly, safety must not be compromised.

From the Volvo Care Cab you have the best conceivable visibility over worksite, attachment and load.

The improved TP Linkage has no parts to block your view in situations that require full visibility over attachment and load, and is furthermore designed for more efficient attachment handling.



First and foremost a bucket loader but always an Allrounder



The L50C, L70C and L90C are tool-carrying bucket loaders that combine the best features of two categories of machines.

The wide range of application is a central feature of the Allrounder concept and an important profitability factor.

The Allrounder's strong position as a high-production bucket loader is another. In fact, you could say that the Allrounder is two machines in one.

Three world-class bucket loaders

The Volvo L50C, L70C and L90C are world-leading bucket loaders in their respective weight classes. They are well-endowed with the resources needed for high productivity.

Their speed, agility and strength in both bucket loading and materials handling make them sought-after in the construction, public works and industrial sectors.

Different materials require different handling – but not different machines

A Volvo Allrounder with genuine Volvo attachments is capable of all kinds of materials handling. Attachments can be changed quickly and easily from the cab with our visibility-optimized attachment bracket, which also permits simpler attachment handling.

The development of the L50C, L70C and L90C, like that of our genuine attachments, is based on long experience from most sectors. Both machines and attachments have solid reputations within the materials handling sector.



Volvo's hydraulics lift your revenues

The Volvo L50C and L70C are equipped with an intelligent load-sensing hydraulic system that responds quickly at low engine speeds.

The energy-efficient system distributes the engine's power optimally between hydraulics and propulsion by only pumping oil when the hydraulics are being used.

Our most powerful Allrounder – the L90C – is equipped with the Volvo Open Center hydraulic system. It is built of reliable components and provides perfect synchronism when several attachment movements are to be performed in parallel.

With Volvo Open Center you get effective control of the attachments and a hydraulic system with large lifting and break-out forces, perfectly matched to the engine and torque converter.

A Volvo wheel loader is a safe investment

The L50C, L70C and L90C work all over the world in varying types of handling. Their success is a result of Volvo's know-how, reliability and ability to remain in the forefront of technological progress.

Due to its versatility and capacity, a Volvo Allrounder will always be in demand. Together with the solid support of Volvo's service and parts organization, this makes it a safe investment.

A world-class wheel loader deserves the best attachments

Volvo is the only manufacturer of wheel loaders that designs and manufactures a full range of attachments with buckets, log grapples, fork attachments and material handling arms.

A genuine Volvo attachment is the only kind that can do your Allrounder full justice when it comes to working quickly, flexibly and cost-effectively. Capacity tests have shown that our genuine attachments permit significantly higher productivity, which may be the factor that determines whether a job is profitable or not.

Volvo also offers a wide selection of special attachments for tasks that can broaden your business opportunities and make your wheel loader even more profitable.

An Allrounder is an environmentally-friendly machine

With their high-performance low-emission engines, recyclable components, CFC-free climate control systems, water-based paints and biodegradable hydraulic oils, our wheel loaders live up to Volvo's ambition to be a manufacturer of environmentally correct products.

You work safely and comfortably in a Volvo Care Cab

In a Care Cab you operate the controls with your fingertips and APS II does the gear shifting. The Care Cab has a very low sound level thanks to rubber anti-vibration pads and ergonomic design of both cab and instrumentation.

You can also choose between a number of different operator's seats, which are easy to adjust to obtain an optimum working position, regardless of your height.

Heaped loads without spillage

The short distance between the front axle and the centre of gravity of the load increases stability.

In the carry position, the bucket can be angled back so that the opening is in principle parallel with the ground. This reduces spillage, which in turn permits a bigger heap and a higher bucket filling factor.






An Allround servicing of industrial and municipal needs



- 1.** Efficient materials handling even at high levels thanks to the long reach.
- 2.** Volvo wheel loaders handle loading and unloading of raw materials and finished products with optimum efficiency.
- 3.** The breakout torque and stability of Volvo wheel loaders make them very well suited for use in the timber and pulp industry.
- 4.** Equipped with high-dump light materials buckets, the wheel loaders can load very high haulage vehicles. For example in wood chip handling at sawmills and heating plants.
- 5.** Work with the material flows at composting plants goes smoothly and environmentally soundly with Volvo's low-emission engines.
- 6.** Their combination of agility and versatility makes Volvo wheel loaders indispensable on construction sites.
- 7.** The hydraulic equipment makes it possible to use special attachments with extra hydraulic functions.
- 8.** The good visibility enables the operator to control the load safely with a good view of the worksite.
- 9.** A Volvo wheel loader equipped with dozer blade, snow bucket, sand spreader and snow blower is a winter machine you can rely on.
- 10.** The Volvo wheel loader is an important link in the production chain at a brick works – from raw material to finished product.
- 11.** The panoramic view from the cab gives you perfect control over attachment and load in all situations.
- 12.** The wheel loader's hydraulics make it an effective sanitation machine on streets and industrial sites.



TECHNICAL DATA			
			
VOLVO	L50C	L70C	L90C
Weight , lb	17,200-19,850	23,150-26,010	31,790-35,490
Bucket volume , yd ³	1.6-5.1	2.1-6.5	2.9-9.2
Tipping load at full turn, lb	10,890	15,720	20,590
Output SAE net, hp	92	122	154
Breakout force , lbf	16,340	22,350	27,410
with bucket , yd ³	1.6	2.1	3.1

Let the Allrounders do the work on your construction site



1. Their versatility makes the L50C, L70C and L90C indispensable materials handlers – from foundation work to finished buildings.

2. A Volvo wheel loader is a flexible service machine that can load, lift and move on big civil engineering jobs, such as airport and railway construction.

3. The bucket loader features of Volvo wheel loaders quicken the pace in unloading from heaps and crushers.

4. The short turning radius and responsive steering allow smooth manoeuvring in confined spaces.

5. On big construction sites, a wheel loader can quickly cover long distances between different tasks.

6. The powerful hydraulics enable you to handle heavy loads with gentle precision.

7. Big, rugged tyres in combination with high traction ensure good off-road mobility under difficult ground conditions.

8. The wheel loader moves over large areas quickly and APS II enables it to work efficiently at pleasantly low engine speeds.

9. Pilot-operated hydraulics and exceptionally high breakout torque in high positions permit precision work.

10. TP Linkage features give a very high bucket filling factor.





Reap the fruits of your labours with an Allrounder



1. *The L50C, L70C and L90C are ideally suited for clearing and loading. Their efficient hydraulics and high stability make it easy for the operator to shake loose sticky, clayey soil.*

2. *The big breakout forces come in handy in land and soil work.*

3. *The wheel loaders' low ground pressure minimizes the risk of damage to crop land.*

4. *The L50C, L70C and L90C are powerful bucket loaders that can prize up, break out and fill the bucket even under difficult circumstances.*

5. *Growers and the processing industry need machinery with peak capacity at harvest time.*

6. *The attachment bracket gives you access to many attachments that rationalize heavy sack and pallet handling.*

The most flexible dock worker in the world

- 1.** Capacity and agility quicken the pace in loading and unloading of ships.
- 2.** The machines are fast and easy to operate and can transport material nimbly from heap to crane position.
- 3.** Recycling of valuable scrap is a growing sector that requires robust machines with a safe operator's environment.
- 4.** APS II shifts gears smoothly and enables the operator to fully utilize the machine's torque. This saves fuel and enhances operator comfort.
- 5.** The good visibility enables the operator to manoeuvre the load nimbly and with high precision.



Technology on human terms



When you choose products from Volvo Construction Equipment, you get not only high productivity and availability, but also the safety and continuity for which the name Volvo stands. The machines are built with consideration for both mankind and the environment, and the width of the product range gives you every opportunity to choose the most efficient machine combinations. The safety lies not only in Volvo's service and parts organization, but also in the company's research and product development, which ensures you continuous access to cutting-edge technology. This in turn ensures that your machine will achieve the highest standards of performance in demanding jobs for a long time to come.

Volvo Construction Equipment includes the brands Volvo, Euclid, Zettelmeyer, Pel-Job, Mecalac and Champion.

VOLVO

Volvo Construction Equipment Group

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