



# Articulated haulers

A20, A25C, A30, A35



**VOLVO BM**

### **Excellent off-road mobility.**

Volvo BM articulated haulers are a great success all over the world, thanks to their productivity and excellent off-road mobility. A high degree of technical innovation, and VME's skilled and experienced production, offer the market a full range of articulated haulers to solve any kind of transport problem.

To keep production going – whatever the conditions – the construction industry makes hard demands on machine flexibility and versatility. This is why articulated haulers are the right choice on many applications – they can handle any kind of job.

All Volvo BM articulated haulers offer the same exclusive features and design solutions: articulated steering, all-wheel drive, a unique bogie system, 100% diff-locks on all axles and comfort cab.

The comprehensive range makes it easy to choose the right machine for the right job. And VME gives you product support, technical development and trade-in value that no other manufacturer can match.



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## A20 6×6

For short hauls on difficult ground.  
Payload capacity 18,500 kg (20 sh.tons).  
Top speed 34 km/h (21.2 mph).  
Articulated steering. All-terrain bogie. 6-wheel drive.

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## A25C 4×4

Fast and agile, especially in quarries and gravel pits.  
Payload capacity 22,500 kg (25 sh.tons).  
Top speed 51 km/h (31.2 mph).  
Articulated steering. 4-wheel drive.  
Turn around wheels as optional equipment.  
Low emission engine as standard.

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## A25C 6×6

High production on tough and difficult ground.  
Payload capacity 22,500 kg (25 sh.tons).  
Top speed 51 km/h (33.1 mph).  
Articulated steering. All-terrain bogie. 6-wheel drive.  
Low emission engine as standard.

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## A30 6×6

High production on all kinds of ground.  
Payload capacity 27,000 kg (30 sh.tons).  
Top speed 52.3 km/h (31.2 mph).  
Articulated steering. All-terrain bogie. 6-wheel drive.  
Low emission engine as option.

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## A35 6×6

High production both in difficult terrain and under good hauling conditions.  
Payload capacity 32,000 kg (35 sh.tons).  
Top speed 53.3 km/h (33.1 mph).  
Articulated steering. All-terrain bogie. 6-wheel drive.

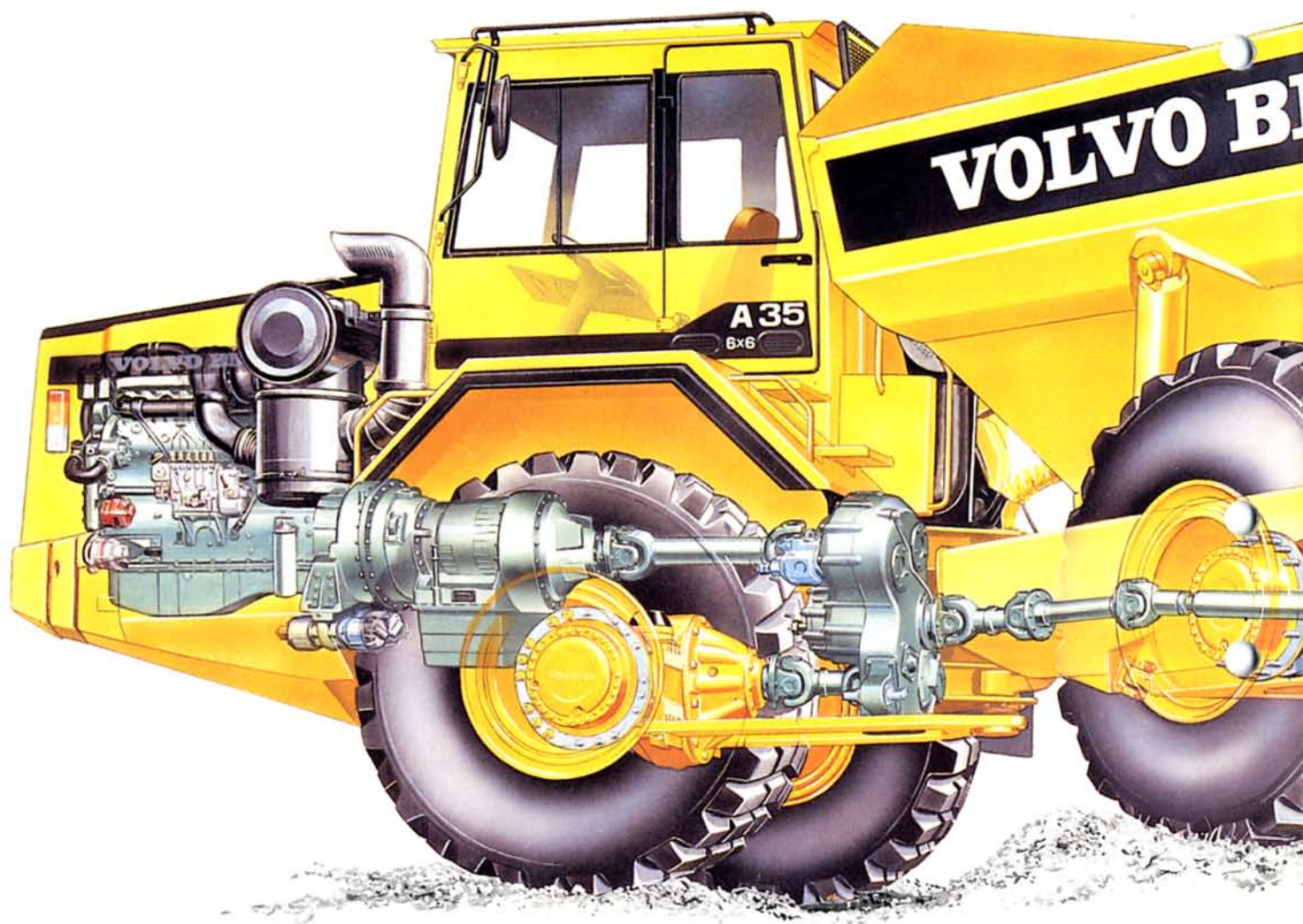
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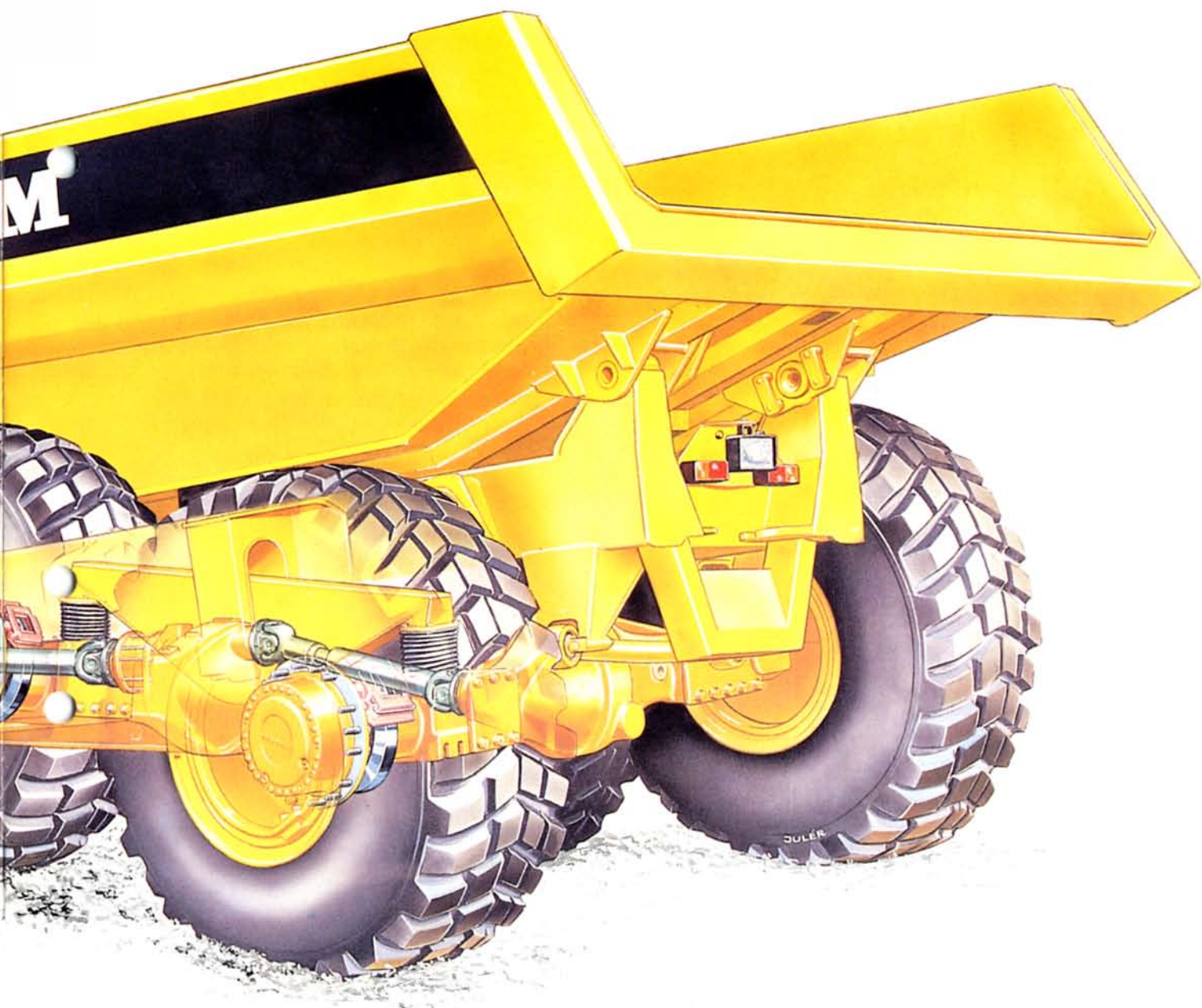


# Volvo BM quality guarantees high reliability good profitability.

A high technical standard and in-house production of all vital components give you machines with well-balanced design and high quality throughout.

- Safe and comfortable cab, positioned for optimum visibility and operator comfort.
- Easy and precise steering.  
Supplementary steering as standard (not on A20).
- 6-cyl. Volvo turbodiesel engine.
- Fully automatic Volvo BM transmission.
- Diff-locks with 100% locking on all driving axles.
- Suspension system with rubber springs and double shock absorbers (not on A20).
- 360 degree rotating frame joint.
- Well-protected driveline.
- Longitudinal diff-lock.
- Body of high-tensile steel with matched payload capacity.
- Volvo BM all-terrain bogie with independent axle suspension.
- Matched disc brakes with guards.





# Wherever you go, there's always a Volvo

All these advantages put together not only give you good profitability, but also guarantee continuous, high production.



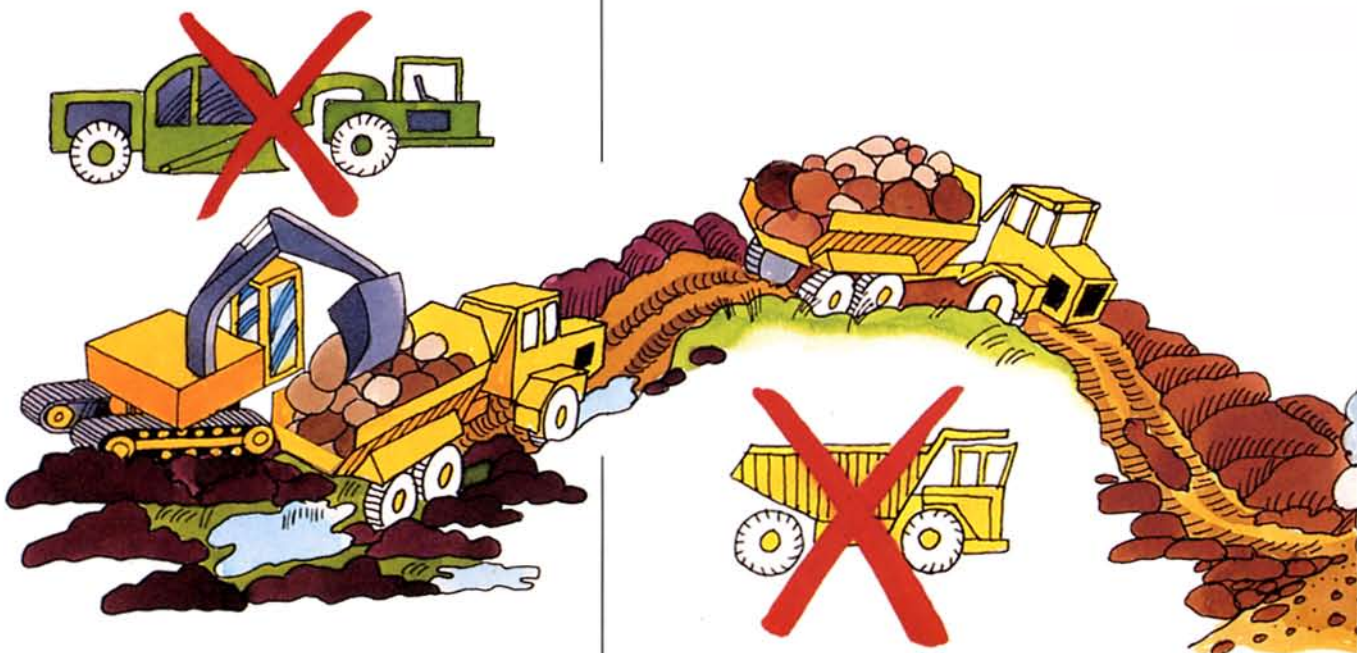
## Loading

Articulated steering makes it easy to get Volvo BM haulers into the right position. And their low loading height makes them very easy to load.



## Terrain

This is where you really see the benefits of articulated haulers. You don't have to build and maintain haul roads, as Volvo BM haulers run just as well off-road. This means large savings for you.



# BM on the job.



## On any haul road

Volvo BM articulated haulers perform well on any kind of haul road. The well-matched driveline, excellent suspension and superb operator comfort permit high average speeds, while the perfect brake and steering systems give the extra safety you need on job sites with a high work pace.

## Dumping site

All-wheel drive and 100% diff-lock on all axles eliminate the risk of getting stuck on the dumping site. Being able to dump the load in the right place – such as over the edge of a landfill – means no need for crawler dozers, which further reduces hauling costs.



# Built to handle the worst conditions.

Fundamental Volvo BM designs for well-proven efficiency and reliability.

## **Top matched driveline with superior characteristics.**

Volvo BM drivelines for articulated haulers are designed to handle the toughest off-road conditions as well as high-speed haul road work.

Transmissions are fully automatic with closely-spaced gear ratios for optimum utilization of engine power. Diff-locks and the way they are used are very important for off-road haulers. They can in fact be crucial to keep continuous production going. Volvo BM axles have 100% diff-locks. The longitudinal differential in the dropbox can also be locked. Diff-locks are operated on-the-move to eliminate speed losses when entering difficult sections.

## **Effective suspension permits high average speeds.**

VME's larger and faster models have an advanced suspension system with rubber springs and four double-acting shock absorbers between front axle and frame. All cabs are centrally mounted on rubber pads, to keep the operator comfortably and safely isolated from vibrations when driving in rough terrain. All this means that the operator has the comfort he needs to maintain high average speeds – also on haulage sections with very difficult ground conditions .

## **Guiding design principles.**

Fundamental for the excellent terrain characteristics of Volvo BM articulated haulers is the articulated joint, which permits 360 degrees rotation between the trailer and tractor units.

The articulated joint reduces structural stresses, which in turn permits the use of very rigid frame parts. The articulated joint is also the heart of the steering system: effectively combining high steering forces with nimble manoeuvrability. Finally, the unique bogie design gives Volvo BM articulated haulers their unmatched off-road performance. The bogie permits each pair of wheels freedom of movement in order to retain good ground contact at all times.

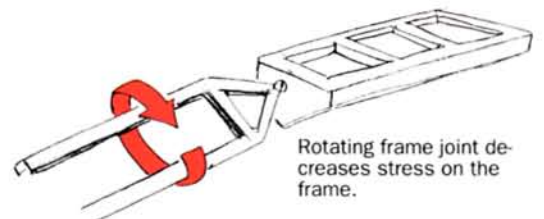
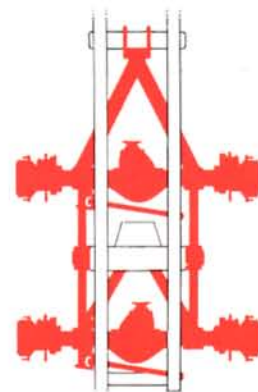
This, combined with good ground clearance, gives the load a "floating" ride over uneven terrain, while the wheels hug the ground for constant traction.







The Volvo BM three point rubber suspension system on the front axle gives the operator excellent comfort on rough ground.



Rotating frame joint decreases stress on the frame.

Volvo BM unique terrain bogie system with independent axle suspension, which can manage high obstacles without body movement.

# You can't choose the working conditions, choose the machine.

Volvo BM quality gives you machines that will perform demanding tasks over long periods with very little downtime.



# but you can



## Production-enhancing comfort.

Volvo BM articulated haulers are more than just haulage machines. They are also your operator's working environment. We know that our customers value comfort very highly. A satisfied operator means higher production. That's why we put so much effort into the design of our cabs and make them so spacious, well-ventilated and with such a low noise level. The operator has an ergonomical work station with all levers and controls logically arranged within easy reach. Together with the fully automatic transmission and the tight, precise steering, this creates a truly stimulating work area.

The Volvo BM articulated haulers started it all. They are still way ahead of the competition and their success is spreading around the world. You can see our haulers on all kinds of construction sites, as well as on repair and maintenance jobs on all continents.





VME offers a complete range of articulated haulers from 20 to 35 tons. Within this comprehensive range, you can always find the right hauler for any kind of job, always knowing that when you choose a Volvo BM articulated hauler, you choose quality that will never let you down.

## **VME Articulated Haulers AB**

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